- Communication with patients

Date: January 1, 1970 | 01:00 - 01:00 CET

Moderators:
Erik Briers; Brussels / Belgium
Cheryl Cruwys; Haute Vienne / France
- Highlights from the Mobile Film Crew Day 1

Date: July 13, 2022 | 02:15 - 02:30 CEST

Moderator: Ben Giese
RC 116 - Artificial intelligence in oncologic imaging: ready for prime time?

**Categories:** Artificial Intelligence & Machine Learning, Imaging Informatics, Multidisciplinary, Oncologic Imaging, Professional Issues

**ETC Level:** LEVEL III

**Date:** July 13, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Emanuele Neri; Pisa / Italy

**RC 116-1 - Chairperson’s introduction** (5 min)
Emanuele Neri; Pisa / Italy

**RC 116-2 - Artificial intelligence frontiers in oncologic screening** (10 min)
Bram Van Ginneken; Nijmegen / Netherlands

**RC 116-3 - Artificial intelligence tumour characterisation: challenges and future prospective** (10 min)
Luis Martí-Bonmatí; Valencia / Spain

**RC 116-4 - Radiomics and data integration** (10 min)
Mireia Crispin Ortuzar; Cambridge / UK

**RC 116-5 - Imaging biobanks for artificial intelligence improvement** (10 min)
Angel Alberich-Bayarri; Valencia / Spain

**RC 116-6 - Panel discussion: Can artificial intelligence improve the oncologic multidisciplinary team?** (15 min)
RPS 112 - Radiological diagnosis and follow-up of congenital disorders in children

Categories: Cardiac, Chest, Genitourinary, Paediatric Imaging, Vascular

Date: July 13, 2022 | 08:00 - 09:00 CEST

CME Credits: 1

Moderator:
Michele Galluzzo; Rome / Italy

RPS 112-2 - Congenital lung abnormalities on magnetic resonance imaging: the CLAM study (8 min)
Pierluigi Ciet; Rotterdam / Netherlands

RPS 112-3 - Structure and function at school age in preterm born children with and without bronchopulmonary dysplasia on lung-MRI (8 min)
Pierluigi Ciet; Rotterdam / Netherlands

RPS 112-4 - MRI for longitudinal disease and therapy response monitoring of chronic rhinosinusitis in cystic fibrosis (8 min)
Felix Wuennemann; Heidelberg / Germany

RPS 112-5 - Three-dimensional visualisation of large vessel anomalies in foetuses using multivein super-resolution MR technique (8 min)
Florian Prayer; Vienna / Austria

RPS 112-6 - Image quality and radiation dose evaluation of paediatric ECG-triggered cardiovascular computed tomography in congenital heart diseases (8 min)
Marianna Gulizia; Lausanne / Switzerland

RPS 112-7 - Single phase split bolus CT urography in congenital anomalies of kidney and urinary tract in children: is it sufficient for diagnosis? (8 min)
Ankit Arora; Jodhpur / India
RPS 111 - Functional MRI in various diseases

Categories: Imaging Methods, Neuro
Date: July 13, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Alexandra Borges; Lisbon / Portugal

RPS 111-2 - Abnormal functional stability in patients with minimal hepatic encephalopathy (8 min)
LiMin Cai; Fuzhou / China

RPS 111-3 - Functional disorder in lifelong premature ejaculation evaluated by sparse representation-based brain connectivity network (8 min)
Jiaming Lu; nanjing / China

RPS 111-4 - Dynamic alterations of functional connectivity density in amyotrophic lateral sclerosis: a resting-state functional magnetic resonance imaging study (8 min)
Jia-Hui Lin; Fuzhou / China

RPS 111-5 - What changes occur in the brain of veterans? An MRI and 1HMRS study (8 min)
Andrzej Urbanik; Kraków / Poland

RPS 111-6 - Multimodal advanced MRI imaging of nerve roots in lumbar radiculopathy using DWI, DTI and T2 mapping sequences: clinical and neurophysiological correlations (8 min)
Federico Bruno; L’Aquila / Italy

RPS 111-7 - Pilot study on longitudinal evaluation of brain plasticity in low-grade gliomas: graph theory unravels dynamics of language reorganisation on post-surgical fMRI (8 min)
Luca Pasquini; Rome / Italy

RPS 111-8 - Restoration of brain networking following carotid endarterectomy (8 min)
Michele Porcu; Cagliari / Italy
RPS 107 - Solid or cystic, benign or malignant renal lesions: how to make the right diagnosis?

**Categories:** Contrast Media, Evidence-Based Imaging, Genitourinary, Oncologic Imaging, Ultrasound

**Date:** July 13, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Patrick Asbach; Berlin / Germany

RPS 107-2 - CT imaging findings of renal epithelioid lipid-poor angiomyolipoma (8 min)
Xiaoping Yi; Changsha / China

RPS 107-3 - Comparison of the diagnostic performance of the Bosniak classification with its 2019 update and the Renal cyst index (8 min)
Eva Rainer; Vienna / Austria

RPS 107-4 - Contrast-Enhanced Ultrasound (CEUS) in the evaluation of renal masses: results from a prospective single-centre study (8 min)
Milvia Martino; ROMA / Italy

RPS 107-5 - Diagnostic value of combined use of CT and MRI for the Bosniak classification 2019: impact of reader specialty (8 min)
Yuki Arita; ShinjuKu-Ku / Japan

RPS 107-6 - Multi-parametric MRI to detect early treatment response of renal cell carcinoma to sunitinib (8 min)
Stephan Ursprung; Tübingen / Germany

RPS 107-7 - Cystic renal cell carcinomas: assessment of Bosniak classification with MRI-based Bosniak classification, version 2019 (8 min)
Huanhuan Kang; Beijing / China

RPS 107-8 - Enhancement features of cystic renal masses with contrast-enhanced ultrasound (8 min)
Eugenio Gioulis; Conegliano / Italy
RPS 101 - Abdominal imaging pearls based on solid research

**Categories:** Abdominal Viscera, Emergency Imaging, Forensic Imaging, Imaging Methods, Research

**Date:** July 13, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Jennifer Margaret Ni Mhuircheartaigh; Adare / Ireland

RPS 101-2 - Simple diagnosis of relevant strictures in primary sclerosing cholangitis patients using gadoxetic acid-enhanced MRI (8 min)
Sarah Pötter-Lang; Vienna / Austria

RPS 101-3 - The adrenal-to-spleen ratio as a short-term predictor of mortality in intensive care patients: a feasibility study (8 min)
Dieter Fedders; Dresden / Germany

RPS 101-4 - Diagnostic impact of AAST injury scale in abdominal CT scan for the assessment of traumatic liver lesions (8 min)
Cesare Maino; Monza / Italy

RPS 101-5 - How to distinguish ITPN with associated invasive carcinoma from conventional ductal adenocarcinomas of the pancreas (8 min)
Ekaterina Khristenko; Heidelberg / Germany

RPS 101-6 - Noninvasive imaging evaluation of very early recurrence after resection for intrahepatic cholangiocarcinoma (8 min)
Feng Che; Chengdu / China

RPS 101-7 - Post-mortem CT in fatal gunshot wounds: every bit as good as autopsy (8 min)
Monica Palermo; Catania / Italy

RPS 101-8 - Increasing the specificity of computed tomography angiography for the diagnosis of hepatic artery occlusion after liver transplantation in suspected patients with Doppler US abnormalities (8 min)
Jin Sil Kim; Seoul / Korea, Republic of
RPS 104 - Pulmonary infections

Categories: Artificial Intelligence & Machine Learning, Chest, Imaging Methods
Date: July 13, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Maja Pirnat; Maribor / Slovenia

RPS 104-2 - Automated lung vessel segmentation reveals blood vessel volume redistribution in viral pneumonia (8 min)
Julien Poletti; Geneva / Switzerland

RPS 104-3 - Radiographic findings of non-tuberculous mycobacterial lung disease using a modified CT scoring system (8 min)
Simon S. Martin; Frankfurt a. Main / Germany

RPS 104-4 - A CT-based radiomics nomogram for identifying patients with community-acquired pneumonia who require intensive respiratory or vasopressor support (8 min)
Jianjun Zheng; ningbo / China

RPS 104-5 - Investigation of childhood pneumonia with chest ultrasound: a comparison between X-ray and ultrasound (8 min)
Ayşenur Buz; Samsun / Turkey

RPS 104-6 - Indication catalogue-based ordering reduces chest x-ray volumes in intensive care units without negative effects on patient outcomes: results from the REDUCE study (8 min)
Daniel Puhr-Westerheide; Munich / Germany

RPS 104-7 - Reader variability in COVID-19 chest X-ray severity assessment: the need for multi-reader datasets for artificial intelligence development (8 min)
Giovanni Tessarin; mogliano veneto / Italy

RPS 104-8 - Comparative analysis of clinical imaging features of multidrug-resistant tuberculosis and drug-sensitive tuberculosis (8 min)
Liyan Qiu; Ningbo / China
RPS 114 - Improving radiation protection outcomes through radiographic practice enhancement

**Categories:** EuroSafe Imaging/Radiation Protection, Imaging Methods, Physics in Medical Imaging, Radiographers

**Date:** July 13, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderators:**
- Nejc Mekis; Ljubljana / Slovenia
- Maria Raissaki; HERAKLION / Greece

RPS 114-3 - Exposure factors prediction model for large size patients in projection radiography (8 min)
Saeed Alqahtani; Exeter / UK

RPS 114-4 - Cumulative radiation dose from medical imaging in children with congenital heart disease (8 min)
Mark F. McEntee; Cork / Ireland

RPS 114-5 - Suitable measures for reducing low-value radiological services in Norway: preliminary results from a qualitative multi-professional study (8 min)
Eivind R. Andersen; Gjøvik / Norway

RPS 114-6 - Using beam hardening techniques as a dose optimisation tool in digital planar radiography (8 min)
Jose Guilherme Couto; Msida / Malta

RPS 114-7 - Radiation protection measures used in Portuguese interventional radiology departments: a national survey (8 min)
Andrea Pimenta; Porto / Portugal
PP 1 - Bridging from neuroanatomy to anatomy of head and neck and vascular imaging

Categories: Head and Neck, Hybrid Imaging, Molecular Imaging, Neuro, Translational Imaging
Date: July 13, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Ruxandra-Iulia Milos; Vienna / Austria

PP 1-2 - Viscosity assessment of parotid and submandibular glands in healthy subjects with the novel Viscosity Plane-wave UltraSound (ViPLUS) technique (8 min)
Delia Doris Muntean; Cluj-Napoca / Romania

PP 1-3 - Craniometry and imaging markers of the craniovertebral junction (8 min)
José Sá Silva; Porto / Portugal

PP 1-4 - Brainstem anatomy: from histological staining to in-vivo 7T-MRI (8 min)
Graziella Donatelli; Pisa / Italy

PP 1-5 - Changes in intra- and extracranial carotid plaque calcification: a 2 years follow-up study (8 min)
Taihra Zadi; Rotterdam / Netherlands

PP 1-6 - Intracranial vascular malformations: what radiologists need to know (8 min)
Adonis Manzella; Recife / Brazil

PP 1-7 - A pictorial essay of cranial neurovascular conflicts: where to look and when to report (8 min)
Gabriela Rotariu; Iasi / Romania

PP 1-8 - NOWinBRAIN: a large, systematic, comprehensive and freely available neuroimage repository bridging neuroradiology, neuroanatomy, neuroscience, neuroeducation and art (8 min)
Wieslaw Nowinski; Lomianki / Poland

PP 1-9 - Does the extent of FLAIR vessel hyperintensities predict futile recanalisation after mechanical thrombectomy? (8 min)
Alexandre Bani Sadr; Lyon / France

PP 1-10 - Impact of directions removal on DTI markers used in clinical routine (8 min)
Damien Galanaud; Paris / France
PP 1-11 - APT-weighted MRI, a familiar stranger: uses and applications of APTw MRI technique in CNS tumours (8 min)
Jose Brenes Castro; Barcelona / Spain
RPS 103 - MRI and CT in acquired and genetic cardiac disease

**Categories:** Cardiac, Hybrid Imaging, Multidisciplinary
**Date:** July 13, 2022 | 08:00 - 09:00 CEST
**CME Credits:** 1

**Moderator:**
Lamia Jamjoom; Jeddah / Saudi Arabia

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RPS 103-2 - Nano-scale 3D morphological characterisation of cardiac micro-thrombi from COVID-19 positive patients via synchrotron CT (8 min)
Giacomo Barbone; München / Germany

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RPS 103-3 - Prevalence and association of cardiac magnetic resonance detected myocardial injury with cardiac symptoms in patients hospitalised due to COVID-19 (8 min)
Aria Yar; Espoo / Finland

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RPS 103-4 - Clinical course of acute myocarditis and pericarditis after Sars-Cov-2 vaccine with cardiac magnetic resonance (8 min)
Nicola Galea; Roma / Italy

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RPS 103-5 - Hemoglobin A1c in type 2 diabetes mellitus patients with preserved ejection fraction is an independent predictor of left ventricular myocardial deformation and tissue abnormalities (8 min)
Zhiming Li; Kunming / China

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RPS 103-6 - Influence of PCSK-9 inhibitor therapy on CT-FFRML in a patient cohort with familial hypercholesterolemia or contraindications to statin therapy and/or therapy refractory to statin therapy (8 min)
Daniel Pasqual Overhoff; Mannheim / Germany

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RPS 103-7 - Cardiovascular magnetic resonance imaging in Noonan syndrome: case series of young children (8 min)
Wenjing Yang; Beijing / China

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RPS 103-8 - Added value of the T1 and T2 mapping sequences in the diagnosis of acute myocarditis (8 min)
Habiba Mizouni; tunis / Tunisia
RPS 108 - Temporal bone imaging

Categories: Head and Neck, Imaging Methods
Date: July 13, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Zoran Rumboldt; Rovinj-Rovigno / Croatia

RPS 108-2 - The visibility of extra cranial facial nerve and his anatomical variants in 3D spin echo T2 sequence on a 1.5 Tesla MRI (8 min)
Habiba Mizouni; tunis / Tunisia

RPS 108-3 - Radiological evaluation of tympanic segment of normal chorda tympani nerve: implications for transcanal middle ear surgery (8 min)
Ruowei Tang; Beijing / China

RPS 108-4 - Photon-counting detector CT virtual monoenergetic images for cochlear implant visualisation: a head to head comparison to energy-integrating detector CT (8 min)
Stephan Waldeck; Koblenz / Germany

RPS 108-5 - MRI features of spontaneous lateral temporal bone cephaloceles (8 min)
Rohit Srinivasan; London / UK

RPS 108-6 - Intralabyrinthine hemorrhage as a cause of sudden deafness (8 min)
Serena Palizzi; Rome / Italy

RPS 108-7 - Cortical sulcus depth alterations in patients with tinnitus before and after sound therapy: a surface-based morphometry study (8 min)
Xuan Wei; Beijing / China
RC 113 - Blue skies and newest trends in CT

**Categories:** Artificial Intelligence & Machine Learning, Imaging Informatics, Imaging Methods, Physics in Medical Imaging, Professional Issues

**ETC Level:** LEVEL III

**Date:** July 13, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Andreas Boss; Zürich / Switzerland

**RC 113-1 - Chairperson's introduction (5 min)**
Andreas Boss; Zurich / Switzerland

**RC 113-2 - Photon-counting CT (15 min)**
Cynthia H. McCollough; Rochester, MN / United States

**RC 113-3 - Artificial intelligence-based CT reconstruction (15 min)**
Marc Kachelrieß; Heidelberg / Germany

**RC 113-4 - The advances I want to see in the next 10 years (15 min)**
Mathias Prokop; Nijmegen / Netherlands

**RC 113-5 - Panel discussion: What will be the clinical impact of each advance? (10 min)**
RC 102 - Contrast-enhanced mammography (CEM)

Categories: Breast, Imaging Methods, Oncologic Imaging
ETC Level: LEVEL II
Date: July 13, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Gordana Ivanac; Zagreb / Croatia

RC 102-1 - Chairperson’s introduction (5 min)
Gordana Ivanac; Zagreb / Croatia

RC 102-2 - How I do CEM (20 min)
Jose Carlos Antela López; Las Palmas de Gran Canaria / Spain

RC 102-3 - Current evidence: limitations and applications (20 min)
Jacopo Nori; Florence / Italy

RC 102-4 - Panel discussion: As CEM is here to stay, how do we integrate it in our everyday clinical practice? (15 min)
RC 101 - What should a radiologist do with a fatty liver?

**Categories:** Abdominal Viscera, GI Tract, Imaging Methods, Multidisciplinary

**ETC Level:** LEVEL I+II

**Date:** July 13, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Valérie Vilgrain; Clichy / France

**RC 101-1 - Chairperson’s introduction** (5 min)
Valérie Vilgrain; Clichy / France

**RC 101-2 - How to deal with fatty infiltration of the liver? A clinician’s point of view** (15 min)
Peter Galle; Mainz / Germany

**RC 101-3 - Quantification of fat: a role for CT?** (15 min)
Perry Pickhardt; Madison, WI / United States

**RC 101-4 - Quantification of fat: a role for MRI?** (15 min)
Giuseppe Corrias; Cagliari / Italy

**RC 101-5 - Panel discussion: Is quantification relevant for the clinical outcome?** (10 min)
RPS 110 - Musculoskeletal oncology

**Categories:** EuroSafe Imaging/Radiation Protection, Imaging Methods, Musculoskeletal, Oncologic Imaging
**Date:** July 13, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Violeta Vasilevska Nikodinovska; Skopje / Macedonia

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**RPS 110-2 - Intravoxel incoherent motions imaging combined with diffusion kurtosis imaging to assess the response to radiotherapy in rabbit VX2 malignant bone tumor model (8 min)**
Jia Guo; QING DAO / China

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**RPS 110-3 - MRI radiomics-based machine learning to predict neoadjuvant chemotherapy response in Ewing sarcoma (8 min)**
Salvatore Gitto; Milano / Italy

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**RPS 110-4 - Concordance of histopathological and radiological grading in musculoskeletal sarcomas: how far can we go with MRI findings? (8 min)**
Mahmut Bilal Doğan; Istanbul / Turkey

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**RPS 110-5 - Multi-parametric magnetic resonance imaging for radiotherapy response monitoring in soft-tissue sarcomas: a concept study for a histology and MRI co-registration algorithm (8 min)**
Matthias Jung; Freiburg / Germany

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**RPS 110-6 - CT-guided fine-needle aspiration and core biopsy, prognostic factors and diagnostic accuracy as individual and combined procedures in bone tumours (8 min)**
Nicolás Andrés Ochoa Sambrizzi; Barcelona / Spain

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**RPS 110-7 - Whole body low dose computed tomography (WBLDCT) in comparison with whole body magnetic resonance imaging (WBMRI) in the assessment of multiple myeloma (8 min)**
Teresa Paola Giandola; Monza / Italy

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**RPS 110-8 - Diagnostic value whole-body magnetic resonance imaging (WBMRI) short protocols in the evaluation of bone marrow involvement in multiple myeloma (8 min)**
Teresa Paola Giandola; Monza / Italy
IF 1 - The radiographer-patient relationship

Categories: Professional Issues, Radiographers
Date: July 13, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Charlotte A. Beardmore; London / United Kingdom

IF 1-2 - Introduction (5 min)
Charlotte Beardmore; London / UK

IF 1-3 - A holistic approach to patient care: the patient’s perspective (10 min)
Evelyn Steinthaler; Vienna / Austria

IF 1-4 - A holistic approach to patient care: the radiographer’s perspective (10 min)
Michaela Davis; Dublin / Ireland

IF 1-5 - How technology can enhance the radiographer-patient interaction: the patient’s perspective (10 min)
Caroline Justich; Vienna / Austria

IF 1-6 - How technology can enhance the radiographer-patient interaction: the radiographer’s perspective (10 min)
Anastasia Sarchosoglou; Athens / Greece

IF 1-7 - Panel discussion: Are there sufficient radiographer-focused continuing professional development opportunities related to enhancing communication skills? (15 min)
RPS 105 - Artificial intelligence in prostate and retroperitoneal imaging

**Categories:** Artificial Intelligence & Machine Learning, Genitourinary, Oncologic Imaging
**Date:** July 13, 2022 | 08:00 - 09:00 CEST
**CME Credits:** 1

**Moderator:**
Heinz-Peter Schlemmer; Heidelberg / Germany

**RPS 105-2 - Deep learning-based segmentation for prostate cancer risk assessment in magnetic resonance imaging** (8 min)
Eduardo Pooch; Zaandam / Netherlands

**RPS 105-3 - Automatic quality control of diffusion magnetic resonance images for prostate cancer in clinical routine** (8 min)
Alexandre Routier; Paris / France

**RPS 105-4 - Who is best? Comparing radiologists, radiomics and deep learning for the assessment of renal masses on computed tomography** (8 min)
Sophie Bachanek; Goettingen / Germany

**RPS 105-5 - Deep learning for bone lesion detection in CT TAP** (8 min)
Pawel Mlynarski; Paris / France

**RPS 105-6 - Multi-stage AI analysis system to support prostate cancer diagnostic imaging across multiple centres and scanners** (8 min)
Mark Hinton; Cambridge / UK

**RPS 105-7 - Does deep-learning software improve the consistency of PI-RADS scoring amongst radiologists with various levels of expertise?** (8 min)
Deniz Alis; Istanbul / Turkey

**RPS 105-8 - Deep learning image reconstruction algorithm improves image quality of abdominal computed tomography: extensive comparison with hybrid iterative reconstruction** (8 min)
Antonella Del Gaudio; Rome, IT / Italy
ESR/EFSUMB - Multiparametric ultrasound (MPUS) for diagnostic conundrum: where is it useful?

**Categories:** Artificial Intelligence & Machine Learning, Contrast Media, Education, Imaging Methods, Ultrasound

**ETC Level:** LEVEL III

**Date:** July 13, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderators:**

Vito Cantisani; Roma / Italy
Mirko D'Onofrio; Verona / Italy

**ESR/EFSUMB-1 - Chairpersons' introduction (2 min)**

Vito Cantisani; Rome / Italy
Mirko D'Onofrio; Verona / Italy

**ESR/EFSUMB-2 - MPUS in breast (12 min)**

Boris Brkljačić; Zagreb / Croatia

**ESR/EFSUMB-3 - MPUS in thyroid (12 min)**

Vito Cantisani; Rome / Italy

**ESR/EFSUMB-4 - MPUS in testis (12 min)**

Michele Bertolotto; Trieste / Italy

**ESR/EFSUMB-5 - MPUS in pancreas (12 min)**

Adrian Saftoiu; Bucharest / Romania

**ESR/EFSUMB-6 - Panel discussion: Do you believe B-mode ultrasound as a stand-alone technique is outdated? (10 min)**
BS 1 - Radiologic anatomy: musculoskeletal system

Categories: Musculoskeletal
ETC Level: LEVEL I+II
Date: July 13, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Koenraad Verstraete; Sint-Michiels / Belgium

BS 1-2 - Spine (18 min)
Bernhard Tins; Oswestry / UK

BS 1-3 - Upper limb (18 min)
Kris Mertens; Merchtem / Belgium

BS 1-4 - Lower limb (18 min)
Andrew J. Grainger; Cambridge / UK

BS 1-5 - Questions and answers (6 min)
RPS 116 - Genitourinary oncology

Categories: Genitourinary, Imaging Methods, Nuclear Medicine, Oncologic Imaging, Physics in Medical Imaging
Date: July 13, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Davide Prezzi; London / United Kingdom

RPS 116-2 - Survival analysis of patients with endometrial cancer using an integrated radiomics model (8 min)
Alexander Sheeka; Colchester / UK

RPS 116-3 - De novo radiomics with image augmentation and features from T1 mapping to predict Gleason scores in prostate cancer (8 min)
Keno K. Bressem; Berlin / Germany

RPS 116-4 - High-risk imaging features in prostate cancer (8 min)
João Amorim; Porto / Portugal

RPS 116-5 - Comparison of diagnostic performance between diffusion kurtosis imaging parameters and mono-exponential ADC for determination of clinically significant cancer in patients with prostate cancer (8 min)
Seung Ho Kim; Busan / Korea, Republic of

RPS 116-6 - Correlation between prostate specific antigen density (PSAD) and prostate cancer among African men at the Aga Khan University hospital, Nairobi (AKUH-N) (8 min)
Edwin Masara; Nairobi / Kenya

RPS 116-7 - Comparison of 68 GA PSMA and whole-body diffusion-weighted MR imaging in staging of high-risk prostate cancer (8 min)
Bagyam Raghavan; Chennai / India

RPS 116-8 - Prediction of axillary lymph node metastasis of early-stage breast cancer by ultrasound and pathology: to avoid unnecessary axillary lymph node dissection (8 min)
Lei Yang; Nantong / China
CUBE 1 - Piping the periphery

**Categories:** Interventional Radiology  
**Date:** July 13, 2022 | 09:00 - 09:30 CEST  
**CME Credits:** 0.5

- **Piping the periphery** (30 min)  
  Antonio Bosca Ramón; Valencia / Spain
HD 1 - Highlights of the Day

Date: July 13, 2022 | 09:15 - 09:30 CEST

Moderator:
Regina G. H. Beets-Tan; Amsterdam / Netherlands
RPS 215 - Artificial intelligence and more for vascular imaging

Categories: Artificial Intelligence & Machine Learning, Imaging Informatics, Imaging Methods, Research, Vascular
Date: July 13, 2022 | 09:30 - 10:30 CEST
CME Credits: 1

Moderator:
Stevo Duvnjak; Copenhagen / Denmark

RPS 215-2 - Image quality of deep learning algorithm on head and neck CTA using 100 kVp (8 min)
Xiaoping Lu; Beijing / China

RPS 215-3 - Artificial intelligence in the evaluation of peripheral arterial disease in lower limbs (8 min)
Sudhanshu Sunil Tonpe; NAGPUR / India

RPS 215-4 - Iterative reconstruction vs. deep learning image reconstruction: comparison of image quality and diagnostic accuracy of arterial stenosis in low-dose lower extremity CT angiography (8 min)
Ting Qu; Xi'an / China

RPS 215-5 - Prediction of aortic dilatation in surgically repaired type A dissection: a longitudinal computational fluid dynamics study (8 min)
Yu Zhu; London / UK

RPS 215-6 - Image fusion guidance for in-situ fenestration during thoracic endovascular repair (8 min)
Liang Zhao; Shanghai / China
RPS 206 - PET/MRI, MRS and radiomics

**Categories:** Artificial Intelligence & Machine Learning, Hybrid Imaging, Molecular Imaging, Nuclear Medicine, Oncologic Imaging, Translational Imaging

**Date:** July 13, 2022 | 09:30 - 11:00 CEST

**CME Credits:** 1.5

**Moderator:**
Peter Brader; Graz / Austria

**RPS 206-2 - The more the better? Multiparametric simultaneous 18F-FDG PET/MRI vs DCE-MRI for breast cancer diagnosis** (8 min)
Valeria Romeo; Naples / Italy

**RPS 206-3 - Multiparametric dual timepoint 18F-FDG PET/MRI imaging for lymph node staging in Figo I/II cervical carcinoma** (8 min)
Matthias Weissinger; Tübingen / Germany

**RPS 206-4 - Improving the diagnostic performance of 2HG MR spectroscopy utilising creatine as an internal reference** (8 min)
Dominik Juskanic; Nitra / Slovakia

**RPS 206-5 - Quantitative assessment of spatial relationships between brain perfusion MRI and 11C-Methionine PET in neuro-oncology by means of a fully hybrid PET/MR system (3T)** (8 min)
Maurizio Barbera; Milano / Italy

**RPS 206-6 - Prognostic significance of 68 gallium fibroblast activation protein inhibitor versus 18 fluorodeoxyglucose positron emission tomography/computed tomography in gastric neoplasm subtypes** (8 min)
Nadezhda Niyarah; Bangalore / India

**RPS 206-7 - Assessing radio-chemotherapy response in glioblastoma tumour models using 2H-labeled fumarate and deuterium magnetic resonance spectroscopic imaging** (8 min)
Friederike Hesse; Cambridge / UK

**RPS 206-8 - Magnetic multimodality imaging of plectin-1-targeted nanoparticles for the precise detection of pancreatic ductal adenocarcinoma** (8 min)
Wenjia Zhang; Beijing / China

**RPS 206-9 - ComBat harmonisation of multi-centric 18F-FDG-PET/CT and PET/MRI radiomic data: impact on tissue classification** (8 min)
Doris Leithner; New York / United States
**RPS 206-10 - Fully automated staging via PET-CT of primary Hodgkin Lymphoma using a deep learning approach** (8 min)
Kaspar Ekert; Ulm / Germany

**RPS 206-11 - Radiomic features as biomarkers of soft tissue paediatric sarcomas: results of a PET/MR study** (8 min)
Giulia Fichera; Padova / Italy

**RPS 206-12 - The value of 18F-FDG PET/MRI in prediction of microvascular invasion in hepatocellular carcinoma** (8 min)
Ayşegül Görmèz; Atasehir / Turkey
RPS 205 - Artificial intelligence (AI) in the management of COVID-19

Categories: Artificial Intelligence & Machine Learning, Chest, Emergency Imaging
Date: July 13, 2022 | 09:30 - 11:00 CEST
CME Credits: 1.5

Moderator:
Laurens Topff; Amsterdam / Netherlands

RPS 205-2 - U-Net based denoising of sparsely sampled chest CT scans can be used to reduce radiation dose for detection of COVID-19 pneumonia (8 min)
Felix Hofmann; Munich / Germany

RPS 205-3 - Comparison of clinical, radiological and combined machine learning models in predicting COVID-19 patients who will require intensive care unit (8 min)
Mutlu Gulbay; Ankara / Turkey

RPS 205-4 - A Computer-Aided Diagnosis (CAD) system for quantitative assessment of COVID-19 pneumonia severity from chest computed tomography images (8 min)
Alysson Carvalho; Porto / Portugal

RPS 205-5 - CNN-based automatic analysis of chest radiographs for the detection of COVID-19 pneumonia: a prioritising tool in the emergency department, phase I study and preliminary “real world” results (8 min)
Matteo Barba; Orbassano / Italy

RPS 205-6 - Artificial intelligence and COVID-19: CT-based radiomics can identify false-negative swabs (8 min)
Nicolò Cardobi; Verona / Italy

RPS 205-7 - Artificial intelligence based severity assessment of COVID-19 pneumonia using a multireader chest x-ray dataset (8 min)
Giovanni Tessarin; mogliano veneto / Italy

RPS 205-8 - Radiomics and machine learning in predicting pathophysiologic changes in patients with COVID-19-associated pneumonia (8 min)
Sarah Meribout; Constantine / Algeria

RPS 205-9 - Artificial intelligence algorithm for automated detection of compression fractures and low vertebral body mineral density using chest CT images during the COVID-19 pandemic (8 min)
Alexey Petraikin; Moscow / Russia
RPS 205-10 - Development and validation of a prognosis and intervention prediction model for COVID-19 patients using clinical findings and artificial intelligence interpreted chest radiographs (8 min)
Jong Seok Ahn; Seoul / Korea, Republic of

RPS 205-11 - AI-assisted COVID-19 detection on unsegmented chest CT scans (8 min)
Lucian Mihai Florescu; Craiova / Romania

RPS 205-12 - An integrated method to detect silent failures in pretrained nnU-Net models for COVID-19 lung lesion segmentation: towards automated failure detection of DNNs (8 min)
Camila Gonzalez; Darmstadt / Germany
RPS 201 - Imaging advances in chronic liver disease assessment and treatment

**Categories:** Abdominal Viscera, GI Tract, Imaging Methods, Interventional Radiology, Ultrasound

**Date:** July 13, 2022 | 09:30 - 11:00 CEST

**CME Credits:** 1.5

**Moderator:**
Bernard Van Beers; Clichy / France

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**RPS 201-2 - Imaging features in patients with porto-sinusoidal vascular disease (PSVD) - radiological evaluation guiding diagnosis** (8 min)
Katharina Lampichler; Vienna / Austria

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**RPS 201-3 - Hepatic elastic modulus and haemodynamic liver index: novel non-invasive parameters for prediction of presence and grade of oesophageal varices in cirrhotic patients** (8 min)
Abhilasha Rana; Delhi / India

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**RPS 201-4 - To evaluate the effectiveness and safety of endovascular intervention in the management of nonportal hypertension related gastrointestinal bleeding at a Vietnamese hospital** (8 min)
Tuan Nguyen; Ho Chi Minh / Vietnam

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**RPS 201-5 - TRANS-TACE: prognostic role of the transient hypertransaminasaemia after conventional chemoembolisation for hepatocellular carcinoma** (8 min)
Nicolò Brandi; Bologna / Italy

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**RPS 201-6 - Splenic volume as prognostic factor for patients with hepatocellular carcinoma undergoing TACE: fully automated volume assessment using a 3D segmentation convolutional neural network** (8 min)
Felix Hahn; Mainz / Germany

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**RPS 201-7 - Spleen stiffness: a determinant of portal hypertension with Oesophageal varices** (8 min)
Rajul Rastogi; Moradabad / India

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**RPS 201-8 - Correlation between hepatic and splenic volumes and portal venous pressure in cirrhotic patients candidate for transjugular intrahepatic portosystemic shunt (TIPS)** (8 min)
Lorenzo Bianchi; Milan / Italy

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**RPS 201-9 - HCC-MRI score: a simplified criteria for the diagnosis of hepatocellular carcinoma in high-risk patients using contrast-enhanced MRI of liver** (8 min)
Wanwarang Teerasamit; Bangkok / Thailand

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**RPS 201-10 - Quantitative MRI in the evaluation of patients with non-alcoholic steatohepatitis (NASH)** (8 min)
Francesco Pucciarelli; Rome / Italy

RPS 201-11 - The “stiff rim” sign of hepatocellular carcinoma on shear wave elastography: correlation with pathological features and potential prognostic value (8 min)
Xian Zhong; Maastricht / Netherlands

RPS 201-12 - CT-derived quantitative parameters of oesophageal varices for evaluation of severe varices and the risk of bleeding: a pilot study (8 min)
Shang Wan; Chengdu / China
RPS 214 - Optimising oncology imaging, treatment, and the patient experience

Categories: EuroSafe Imaging/Radiation Protection, Imaging Methods, Oncologic Imaging, Physics in Medical Imaging, Radiographers

Date: July 13, 2022 | 09:30 - 10:30 CEST

CME Credits: 1

Moderators:
Anastasia Sarchosoglou; Athens / Greece
Damiano Caruso; Roma / Italy

RPS 214-3 - Analysis of dose and acute radio-toxicity in breast cancer patients (8 min)
Ana Carmo; Olhão / Portugal

RPS 214-4 - Dosimetric comparison of 3D-CRT and VMAT techniques applied to patients with lung cancer (8 min)
Célia Pestana; Tavira / Portugal

RPS 214-5 - Application of advanced MRI techniques in white matter characterisation of patients affected by meningioma treated with proton therapy (8 min)
Luca Anemoni; San Genesio Ed Uniti / Italy

RPS 214-6 - Women's positive and less positive experiences of mammography and radiotherapy services during their breast cancer care pathway (8 min)
Eija Metsälä; Helsinki / Finland

RPS 214-7 - Patients' perceptions of the skills and competencies of therapeutic radiographers across Europe (8 min)
Sonyia McFadden; Belfast / UK

RPS 214-8 - The lived experiences of radiotherapists treating paediatric patients in Gauteng, South Africa (8 min)
Sidra Siddique; Johannesburg / South Africa
RT 2 - Adaptations of screening programmes during the COVID pandemic: what is the impact?

**Categories:** Education, Multidisciplinary, Oncologic Imaging, Professional Issues

**ETC Level:** LEVEL II+III

**Date:** July 13, 2022 | 09:30 - 10:30 CEST

**Moderators:**
Michael Fuchsjäger; Graz / Austria
Regina G. H. Beets-Tan; Amsterdam / Netherlands

**RT 2-1 - Chairpersons’ introduction** (2 min)
Michael H. Fuchsjäger; Graz / Austria
Regina G. H. Beets-Tan; Amsterdam / Netherlands

**RT 2-2 - Changes and adaptations in breast cancer screening during the COVID pandemic** (10 min)
Fiona J. Gilbert; Cambridge / UK

**RT 2-3 - Changes and adaptations in bowel cancer screening during the COVID pandemic** (10 min)
Monika Ferlitsch; Vienna / Austria

**RT 2-4 - Discussion** (38 min)
Greg Sorensen; Boston, MA / United States
Fiona J. Gilbert; Cambridge / UK
Geerard L. Beets; Amsterdam / Netherlands
RPS 207 - Advances in prostate imaging

**Categories:** Genitourinary  
**Date:** July 13, 2022 | 09:30 - 11:00 CEST  
**CME Credits:** 1.5

**Moderator:**  
Tristan Barrett; Cambridge / United Kingdom

**RPS 207-2 - MRI T1 mapping for the assessment of the prostate: a new diagnostic tool** (8 min)  
Omar Al-Bourini; Goettingen / Germany

**RPS 207-3 - Promoting the use of the PRECISE score for prostate MRI during active surveillance: results from the ESOR Nicholas Gourtsoyiannis teaching fellowship** (8 min)  
Francesco Giganti; London / UK

**RPS 207-4 - Time-series radiomics outperforms conventional radiomics approaches for the prediction of prostate cancer histopathological progression on active surveillance** (8 min)  
Nikita Sushentsev; Cambridge / UK

**RPS 207-5 - Strategy of target biopsy and number of target cores for a PI-RADS 3-5 index lesion to reduce Gleason score underestimation: a propensity score-matching analysis** (8 min)  
Byung Kwan Park; Seoul / Korea, Republic of

**RPS 207-6 - Vector prostate biopsy: a novel electro-magnetic biopsy technique for mpMRI/US fusion transperineal prostate biopsies under local anaesthesia** (8 min)  
Peter Fletcher; ROYSTON / UK

**RPS 207-7 - The diagnostic performance in clinically significant prostate cancer with PI-RADS version 2.1: fast-MRI versus standard mpMRI** (8 min)  
Jihui Song; Dalian / China

**RPS 207-8 - Analysis of dose distribution at organs at risk in patients with early stage prostate cancer treated with the robotic stereotactic body radiation therapy (SBRT) and pencil-beam scanning proton therapy** (8 min)  
Nikita Kataev; Saint-Petersburg / Russia

**RPS 207-9 - Effects of dynamic contrast enhancement on transition-zone prostate cancer in PI-RADS version 2.1** (8 min)  
Jiahui Zhang; Beijing / China

**RPS 207-10 - Utility of 2D shear-wave elastography for the detection of prostate cancer: a preliminary study** (8 min)
Chan Kyo Kim; Seoul / Korea, Republic of

RPS 207-11 - Promoting the use of the PI-QUAL score for prostate MRI quality: results from the ESOR Nicholas Gourtsoyiannis teaching fellowship (8 min)
Francesco Giganti; London / UK
RPS 213 - Advances in CT and radiation protection

**Categories:** Physics in Medical Imaging  
**Date:** July 13, 2022 | 09:30 - 11:00 CEST  
**CME Credits:** 1.5

**Moderator:**  
Federica Zanca; Leuven / Belgium

RPS 213-2 - Suppressing beam-hardening artefact using a novel edge-on silicon photon-counting CT (8 min)  
Dominic Crotty; Cork / Ireland

RPS 213-3 - Low-dose lung cancer screening with a novel CZT photon-counting CT prototype: a phantom study (8 min)  
Thomas Holmes; Atlanta, GA / United States

RPS 213-4 - Reliability of computed tomographic dose data: comparing the tin filter technique with conventional scanning protocols using thermoluminescence dosimeter measurements (8 min)  
Simone Schüle; Munich / Germany

RPS 213-5 - Impact of iterative reconstruction algorithms on the applicability of the Fourier-based detectability index for X-ray CT imaging (8 min)  
Eléonore Pouget; Clermont-Ferrand / France

RPS 213-6 - Image quality and dose reduction potential of an artificial intelligence deep-learning reconstruction algorithm for abdomen CT examinations: a study on phantoms (8 min)  
Joel Greffier; Nimes / France

RPS 213-7 - Radiation dose and image quality in middle and inner ear CT imaging: comparison between multidetector CT and 3D flat-panel rotational acquisitions on two different phantoms (8 min)  
Luca Bellesi; Bellinzona / Switzerland

RPS 213-8 - A new performance evaluation method for high-resolution CT using changes in CT values (improved spatial resolution and increased CT value for small objects) (8 min)  
Katsumi Tsujioka; Toyota-City Aichi / Japan

RPS 213-9 - Comparison of patient exposure and routine protocols for multidetector computed tomography angiography examinations of patients with peripheral artery disease (8 min)  
Desislava Kostova-Lefterova; Sofia / Bulgaria

RPS 213-10 - Molecular biological response in peripheral blood cells after tin filtration in computed tomography (8 min)
RPS 213-11 - An audit on the awareness of radiation risks, radiation legislation and referral guidelines (iRefer) amongst junior doctors (8 min)
Sathvikha Subramanian Parameswaran; Lincoln / UK

RPS 213-12 - ZrO2-reinforced PVA nanofibers produced for radiation ray-shielding studies as a protective vest in the radiology department (8 min)
Ali Fuat Tekin; Istanbul / Turkey
CUBE 2 - Patient safety and practice in interventional Radiology: the extended role of radiographers

**Categories:** Interventional Radiology  
**Date:** July 13, 2022 | 09:30 - 10:00 CEST  
**CME Credits:** 0.5

- **Patient safety and practice in interventional Radiology: the extended role of radiographers** (30 min)  
  Silvia Svetlic; Bournemouth / UK
BS 2 - Developing our future radiography academics

**Categories:** Education, Professional Issues, Radiographers, Research, Students

**Date:** July 13, 2022 | 09:30 - 11:00 CEST

**CME Credits:** 1.5

**Moderator:**
Carst Buissink; Groningen / Netherlands

**BS 2-2 - Priorities in academic recruitment and development** (18 min)
Jonathan McNulty; Dublin / Ireland

**BS 2-3 - Preparing for an academic career** (18 min)
Moreno Zanardo; Milan / Italy

**BS 2-4 - Clinical academics** (18 min)
Beverly Snaith; Bradford / UK

**BS 2-5 - Benefits of an academic career** (18 min)
Luis J.O.C. Lança; Lisbon / Portugal

**BS 2-6 - Panel discussion: How can we overcome barriers to ensure skilled clinical radiographers can have academic career options?** (18 min)
E³ 219 - Bone metastases: a multidisciplinary approach

Categories: Interventional Oncologic Radiology, Interventional Radiology, Multidisciplinary, Musculoskeletal, Oncologic Imaging

ETC Level: LEVEL II+III

Date: July 13, 2022 | 09:30 - 11:00 CEST

CME Credits: 1.5

Moderators:
Fernando Gomez Muñoz; Barcelona / Spain
Roberto Luigi Cazzato; Strasbourg / France

E³ 219-1 - Chairpersons' introduction (5 min)
Fernando Gómez Muñoz; Barcelona / Spain
Roberto Luigi Cazzato; Strasbourg / France

E³ 219-2 - Oncologic and integrated management of bone metastases: the oncologist's perspective (10 min)
Philippe Trensz; Strasbourg / France

E³ 219-3 - Radiation therapy of bone metastases: the radiation oncologist's perspective (10 min)
Steve Heymann; Strasbourg / France

E³ 219-4 - Interventional treatment of bone metastases: the interventional radiologist's perspective (10 min)
Roberto Luigi Cazzato; Strasbourg / France

E³ 219-5 - Case-based discussions (55 min)
Fernando Gómez Muñoz; Barcelona / Spain
Roberto Luigi Cazzato; Strasbourg / France
E³ 221 - Current issues in chest radiology

**Categories:** Chest, General Radiology, Imaging Methods
**ETC Level:** LEVEL II+III
**Date:** July 13, 2022 | 09:30 - 11:00 CEST
**CME Credits:** 1.5

**E³ 221-1: Non COVID-19 lung infections (45 min)**
Anagha P. Parkar; Bergen / Norway

**E³ 221-2: Airways disease (45 min)**
Gael Dournes; Bordeaux / France
E³ 222 - Follow-up after treatment for head and neck cancer: recurrence or not? A multidisciplinary approach

Categories: Head and Neck, Imaging Methods, Multidisciplinary, Nuclear Medicine, Oncologic Imaging

ETC Level: LEVEL II+III

Date: July 13, 2022 | 09:30 - 11:00 CEST

CME Credits: 1.5

Moderator:
Emile Comans; Amsterdam / Netherlands

E³ 222-1 - Chairperson’s introduction (5 min)
Emile Comans; Amsterdam / Netherlands

E³ 222-2 - Follow-up after treatment for head and neck cancer: the surgical perspective (15 min)
Bernard van der Laan; The Hague / Netherlands

E³ 222-3 - Imaging features after treatment for head and neck cancer: the radiologist’s perspective (15 min)
Frank A. Pameijer; Utrecht / Netherlands

E³ 222-4 - Optimal imaging strategy for follow-up after treatment for head and neck cancer: a nuclear physician’s perspective (15 min)
Ben J.C. Zwezerijnen; Amsterdam / Netherlands

E³ 222-5 - Multidisciplinary tumour board: case-based panel discussion (40 min)
Emile Comans; Amsterdam / Netherlands
NH 2 - 3 years to go: breast imaging in 2025

Categories: Breast, Imaging Methods, Multidisciplinary, Oncologic Imaging
ETC Level: LEVEL II
Date: July 13, 2022 | 09:30 - 11:00 CEST
CME Credits: 1.5

Moderator:
Hilde Bosmans; Leuven / Belgium

NH 2-1 - Chairperson's introduction (5 min)
Hilde Bosmans; Leuven / Belgium

NH 2-2 - Breast x-ray in 2025: acquisition strategies and artificial intelligence techniques (18 min)
Maryellen L. Giger; Chicago, IL / United States

NH 2-3 - Breast MRI in 2025 (18 min)
Pascal A.T. Baltzer; Vienna / Austria

NH 2-4 - Breast ultrasound in 2025 (18 min)
Chris De Korte; Nijmegen / Netherlands

NH 2-5 - The breast imaging clinic in 2025 and beyond (18 min)
Eva M. Fallenberg; Munich / Germany

NH 2-6 - Panel discussion: How off are we in 2022? (13 min)
OF 2Y - Meet the professors: part 1

Categories: Education, General Radiology, Management/Leadership, Professional Issues, Students
ETC Level: ALL LEVELS
Date: July 13, 2022 | 09:30 - 10:30 CEST
CME Credits: 1

Moderator:
Martin Reim; Tartu / Estonia

OF 2Y-1 - Chairperson's introduction (5 min)
Martin Reim; Tartu / Estonia

OF 2Y-2 - Mentoring in radiology (10 min)
Valérie Vilgrain; Clichy / France

OF 2Y-3 - Speed mentoring: Mentors (22.5 min)
Yves Menu; Paris / France
Soraya Robinson; Vienna / Austria
Valérie Vilgrain; Clichy / France

OF 2Y-4 - Speed mentoring: Mentees (22.5 min)
Eva Berardi; Rome / Italy
Nino Bogveradze; Amsterdam / Netherlands
Zuhir Elkarghali; Amsterdam / Netherlands
RC 210 - Essential measurements and classifications in musculoskeletal joint imaging

**Categories:** Evidence-Based Imaging, General Radiology, Imaging Methods, Musculoskeletal

**ETC Level:** ALL LEVELS

**Date:** July 13, 2022 | 09:30 - 10:30 CEST

**CME Credits:** 1

**Moderator:**
Monique Reijnierse; Leiden / Netherlands

**RC 210-1 - Chairperson's introduction** (5 min)
Monique Reijnierse; Leiden / Netherlands

**RC 210-2 - Shoulder** (9 min)
Ustun Aydingoz; Ankara / Turkey

**RC 210-3 - Elbow-wrist-hand** (9 min)
Aija Jaudzema; Riga / Latvia

**RC 210-4 - Hip** (9 min)
Vasco Mascarenhas; Lisbon / Portugal

**RC 210-5 - Knee** (9 min)
Christoph Rehnitz; Heidelberg / Germany

**RC 210-6 - Ankle-foot** (9 min)
Eline De Smet; Antwerp / Belgium

**RC 210-7 - Panel discussion: How to integrate essential measurements and classifications into a structured report?** (10 min)
RPS 204 - COVID: chest radiology beyond the lungs

**Categories:** Artificial Intelligence & Machine Learning, Chest, Imaging Methods  
**Date:** July 13, 2022 | 09:30 - 11:00 CEST  
**CME Credits:** 1.5  
**Moderator:** Galit Aviram; Tel-Aviv / Israel

RPS 204-2 - AI dual-energy CT lung analysis can help distinguish COVID-19 infiltrates from visually similar non-infectious pneumonitis and can optimise radiological workflows (8 min)  
Andreas Brendlin; Tübingen / Germany

RPS 204-3 - Lung vessel volume evaluated with CALIPER software is an independent predictor of mortality in COVID-19 patients: a multicentric retrospective analysis (8 min)  
Chiara Romei; Pisa / Italy

RPS 204-4 - D-dimer threshold to rule-out pulmonary embolism in COVID-19 patients from emergency department undergoing CTPA (8 min)  
Brice Lefevre; La Tronche / France

RPS 204-5 - Characteristics of chest CT-scan and outcome in pregnant patients with COVID-19: a cross-sectional study (8 min)  
Saeid Esmaeilian; Shiraz / Iran

RPS 204-6 - Correlating COVID-19 disease severity and pulmonary vascular manifestations on CT pulmonary angiography (8 min)  
Farhana Fadzli; Kuala Lumpur / Malaysia

RPS 204-7 - Quantitative evaluation of pulmonary blood flow in patients three months after COVID-19 infection with extensive pulmonary parenchyma involvement (8 min)  
Anna Zakharova; Saint Petersburg / Russia

RPS 204-8 - Changing of pulmonary artery diameter in accordance with severity of COVID-19 (assessment based on non-contrast computed tomography) (8 min)  
Nikita Kudryavtsev; Moscow / Russia

RPS 204-9 - The effect of chest CT derived body composition and laboratory parameters on clinical outcomes in COVID-19 patients (8 min)  
Raşit Eren Büyüktoka; İzmir / Turkey
RPS 204-10 - Clinical scores outmatch AI-based severity scoring and measurements indicating pulmonary hypertension on admission chest CTs for in-hospital mortality prediction in COVID-19 ICU patients (8 min)
Daniel Puhr-Westerheide; Munich / Germany

RPS 204-11 - Changes in chest CT body composition parameters at 3 and 6 months after severe COVID-19 pneumonia (8 min)
Filippo Monelli; Modena / Italy

RPS 204-12 - CT-derived pulmonary enhancement in short-term follow-up of COVID-19 patients: a case-control study (8 min)
Meghavi Mashar; Preston / UK
SF 2a - Plaque imaging in 2022

Categories: Cardiac, Imaging Methods, Multidisciplinary, Ultrasound, Vascular
ETC Level: LEVEL III
Date: July 13, 2022 | 09:30 - 11:00 CEST
CME Credits: 1.5

Moderator:
Dirk Pickuth; Saarbrücken / Germany

SF 2a-1 - Chairperson's introduction (5 min)
Dirk Pickuth; Saarbrücken / Germany

SF 2a-2 - Plaque imaging: a cardiologist's perspective (30 min)
Marcus Flather; Norwich / UK

SF 2a-3 - CT (20 min)
Pál Maurovich-Horvat; Budapest / Hungary

SF 2a-4 - MRI (20 min)
Luca Saba; Cagliari / Italy

SF 2a-5 - Panel discussion: Plaque imaging: where are we now? (15 min)
**SF 2b - Acute abdomen: a radiologist's survival guide**

**Categories:** Abdominal Viscera, Emergency Imaging, GI Tract, Vascular  
**ETC Level:** LEVEL II  
**Date:** July 13, 2022 | 09:30 - 11:00 CEST  
**CME Credits:** 1.5  
**Moderator:**  
Jaap Stoker; Amsterdam / Netherlands

**SF 2b-1 - Chairperson's introduction** (5 min)  
Jaap Stoker; Amsterdam / Netherlands

**SF 2b-2 - Blunt abdominal trauma: a systematic approach** (15 min)  
Sabine Schmidt Kobbe; Lausanne / Switzerland

**SF 2b-3 - Suspicion of GI perforation: a systematic approach** (15 min)  
Damian J.M. Tolan; Leeds / UK

**SF 2b-4 - Suspicion of GI ischaemia: a systematic approach** (15 min)  
Amir Reza Radmard; Tehran / Iran

**SF 2b-5 - Suspicion of abdominal inflammation: a systematic approach** (15 min)  
Ingrid Millet; Montpellier / France

**SF 2b-6 - Panel discussion: How do you outsmart your surgeon?** (25 min)
RPS 217 - Emergency patients management and COVID-19 complications: open questions

Categories: Abdominal Viscera, Chest, Emergency Imaging, Imaging Methods
Date: July 13, 2022 | 09:30 - 11:00 CEST
CME Credits: 1.5

Moderator:
Johann Baptist Dormagen; Oslo / Norway

RPS 217-2 - Who gets what imaged: exploring patient age and number of body regions imaged by CT in emergency room patients (8 min)
Jan Vosshenrich; Basel / Switzerland

RPS 217-3 - Whole-body CT scan in polytrauma patients: estimation of radiation dose and cancer risk (8 min)
Mohamed M. Abuzaid; Sharjah / United Arab Emirates

RPS 217-4 - Abnormal paraspinal fat pad and cervical spine measurements in the detection of disco-ligamentous injury in patients negative for osseous and malalignment cervical spine injury: comparison with MRI (8 min)
Pradeep Roul; Dehradun / India

RPS 217-5 - CT imaging post resuscitation: do we really need CT pulmonary angiography after return of spontaneous circulation? (8 min)
Katharina Mueller-Peltzer; Freiburg / Germany

RPS 217-6 - Association of PaO2 with chest radiograph in COVID-19 patients with need for ventilator support (8 min)
Rajul Rastogi; Moradabad / India

RPS 217-7 - Spontaneous muscle haematomas in patients hospitalised for COVID-19 infection in the largest Serbian COVID hospital (8 min)
Ksenija Mijović; Belgrade / Serbia

RPS 217-8 - COVID-19 gastrointestinal complication: imaging and pathological correlation. (8 min)
Ilaria Ambrosini; PISA / Italy

RPS 217-9 - Correlation between periappendicular fat density value and clinical and radiological CT scores on CT in acute appendicitis cases (8 min)
Ebru Torun; Antalya / Turkey

RPS 217-10 - Observation and repetitive ultrasound: a successful tool to reduce unnecessary CT scans in diagnostics of acute appendicitis (8 min)
Raminta Luksaite-Lukste; Vilnius / Lithuania

RPS 217-11 - Acute pelvic pain in girls: how valuable is MR imaging as an adjunct to ultrasound? (8 min)
Gabriele Masselli; Rome / Italy

RPS 217-12 - Diagnostic errors in imaging and their impact when requesting patients to revisit the emergency room (8 min)
Ayeon Son; Seoul / Korea, Republic of
CUBE 3 - Case studies presented through quiz

Categories: Interventional Radiology
Date: July 13, 2022 | 10:30 - 11:00 CEST
CME Credits: 0.5

- Quiz (30 min)
Raúl García Marcos; Valencia / Spain
RPS 316 - Neuro-oncology

Categories: Imaging Methods, Neuro, Oncologic Imaging, Translational Imaging
Date: July 13, 2022 | 11:30 - 12:30 CEST
CME Credits: 1

Moderator:
Maria de Fatima Viana Vasco Aragao; Recife / Brazil

RPS 316-2 - Quantitative volumetric tumour response in patients treated with combination Gamma Knife stereotactic radiosurgery and immunotherapy for melanoma brain metastases (8 min)
Mihir Shanker; Brisbane / Australia

RPS 316-3 - [18F]FET PET/MRI: a novel and improved technique for detection of pituitary microadenoma (8 min)
Ilanah Pruis; Rotterdam / Netherlands

RPS 316-4 - Clinical value of MRI screening for brain metastases in resected stage III melanoma (8 min)
Sophie Derks; Rotterdam / Netherlands

RPS 316-5 - Analysis of dynamic susceptibility contrast MR perfusion parameters in differentiating radiation necrosis from glioblastoma multiforme recurrence (8 min)
Mateusz Radom; Gliwice / Poland

RPS 316-6 - MRI posttreatment surveillance for head and neck squamous cell carcinoma: proposed MR NI-RADS criteria (8 min)
Manar Maamoun Mohamed Ashour; Cairo / Egypt

RPS 316-7 - MRI texture analysis in prediction and differentiation of benign and malignant tumours of head and neck (8 min)
Yulduz Khodjibekova; Tashkent / Uzbekistan
RPS 305 - Artificial intelligence (AI) meeting clinical needs in radiology: achievements and challenges

Categories: Artificial Intelligence & Machine Learning, Imaging Informatics, Imaging Methods, Management/Leadership
Date: July 13, 2022 | 11:30 - 12:30 CEST
CME Credits: 1

Moderator:
Erik R. Ranschaert; Turnhout / Belgium

RPS 305-2 - The rise of artificial intelligence solutions in radiology departments in the Netherlands (8 min)
Kicky van Leeuwen; de Bilt / Netherlands

RPS 305-3 - Adversarial attacks in radiology (8 min)
Vera Sorin; Ramat Gan / Israel

RPS 305-4 - Synthesis of medical images and corresponding ROI by paired-GAN (8 min)
Yaping Wu; Zhengzhou / China

RPS 305-5 - Deep learning-based detector row upsampling to reduce windmill artifacts in diagnostic spiral CT (8 min)
Jan Magonov; Erlangen / Germany

RPS 305-6 - Semi-supervised 3D universal lesion segmentation in CT thorax-abdomen scans (8 min)
Max De Grauw; Velp (GE) / Netherlands

RPS 305-7 - Radiomics and transvaginal ultrasound in adnexal masses: is the next future of diagnostics here? (8 min)
Valentina Chiappa; Milano / Italy
RPS 317 - New technologies and advances in emergency radiology

**Categories:** Artificial Intelligence & Machine Learning, Emergency Imaging, Imaging Methods

**Date:** July 13, 2022 | 11:30 - 12:30 CEST

**CME Credits:** 1

**Moderator:**
Francesco Macri; Vancouver / Canada

**RPS 317-2 - Beneficial usage of dual-energy CT brain imaging to detect intracranial haemorrhage in NCCT scan** (8 min)
Pipat Chiewvit; Bangkok / Thailand

**RPS 317-3 - Dual Energy CT for differentiation of intraperitoneal haematoma and bowel structures** (8 min)
Moritz T. Winkelmann; Tuebingen / Germany

**RPS 317-4 - CT MBIR applied to emergency radiology: image quality and radiation dose reduction** (8 min)
Davide Ippolito; Vedano Al Lambro / Italy

**RPS 317-5 - Ultra-low-dose CT (ULDCT) of the chest vs. chest x-ray (CXR) in non-traumatic emergency patients** (8 min)
Christian Wassipaul; Vienna / Austria

**RPS 317-6 - Role of the "fast" whole-body MRI in the diagnosis of mild/moderately injured patients** (8 min)
Sophia Blum; Dresden / Germany

**RPS 317-7 - Initial CT-based three-dimensional radiomics of lung predicting acute kidney injury in patients with acute paraquat intoxication** (8 min)
Sha Ou; Kunming / China
OF 3R - The future of the radiographer profession

**Categories:** Education, Management/Leadership, Professional Issues, Radiographers, Research

**Date:** July 13, 2022 | 11:30 - 12:30 CEST

**CME Credits:** 1

**Moderator:**
Jonathan McNulty; Dublin / Ireland

**OF 3R-2 - What does the EFRS Radiographer Education, Research, and Practice Project tell us about the future?** (10 min)
Jonathan McNulty; Dublin / Ireland

**OF 3R-3 - The direction of travel for the radiographer profession** (5 min)
Graciano Paulo; Coimbra / Portugal

**OF 3R-4 - Education: panel and open discussion** (15 min)
Jonathan McNulty; Dublin / Ireland

**OF 3R-5 - Research: panel and open discussion** (15 min)
Karen Knapp; Exeter / UK

**OF 3R-6 - Practice: panel and open discussion** (15 min)
Charlotte Beardmore; London / UK
RT 3 - Building bridges: value-based radiology in musculoskeletal imaging, a multidisciplinary perspective

Categories: General Radiology, Management/Leadership, Multidisciplinary, Musculoskeletal, Professional Issues
ETC Level: LEVEL II+III
Date: July 13, 2022 | 11:30 - 12:30 CEST

Moderator:
Jacob Johannes Visser; Rotterdam / Netherlands

RT 3-1 - Chairperson's introduction (5 min)
Jacob J. Visser; Rotterdam / Netherlands

RT 3-2 - Value in musculoskeletal radiology: the clinician's perspective (10 min)
Tom Piscaer; Rotterdam / Netherlands

RT 3-3 - Value in musculoskeletal radiology: the radiologist perspective (10 min)
Patrick Omoumi; Lausanne / Switzerland

RT 3-4 - Panel discussion (35 min)
Tom Piscaer; Rotterdam / Netherlands
Patrick Omoumi; Lausanne / Switzerland
Reto Merges; Erlangen / Germany
RC 315 - Vascular compression syndromes

**Categories:** Abdominal Viscera, Cardiac, Chest, Interventional Radiology, Vascular

**ETC Level:** LEVEL II+III

**Date:** July 13, 2022 | 11:30 - 12:30 CEST

**CME Credits:** 1

**Moderator:**
Peter Reimer; Karlsruhe / Germany

**RC 315-1 - Chairperson's introduction (5 min)**
Peter Reimer; Karlsruhe / Germany

**RC 315-2 - Above the diaphragm (20 min)**
Tim Leiner; Utrecht / Netherlands

**RC 315-3 - Below the diaphragm (20 min)**
Stevo Duvnjak; Odense / Denmark

**RC 315-4 - Panel discussion: The need for interdisciplinarity in the treatment of vascular compression syndromes (15 min)**
OF 3Y - My involvement in a subspecialty committee: a multidisciplinary perspective (part 1)

Categories: Education, Management/Leadership, Multidisciplinary, Students
ETC Level: ALL LEVELS
Date: July 13, 2022 | 11:30 - 12:30 CEST
CME Credits: 1

Moderator:
Doenja Marina Johanna Lambregts; Amsterdam / Netherlands

OF 3Y-1 - Chairperson's introduction (5 min)
Doenja M. Lambregts; Amsterdam / Netherlands

OF 3Y-2 - JESPeR (15 min)
Julian Jurgens; Hamburg / Germany

OF 3Y-3 - Young ESOI (15 min)
Damiano Caruso; Rome / Italy

OF 3Y-4 - Young ESSO (15 min)
Yvonne Schrage; Amsterdam / Netherlands

OF 3Y-5 - Discussion (10 min)
ESR/EIBIR 3 - The MEDIRAD project: improving medical radiation protection for patients and staff

Categories: Breast, Cardiac, EuroSafe Imaging/Radiation Protection, General Radiology, Paediatric Imaging, Research
ETC Level: LEVEL II+III
Date: July 13, 2022 | 11:30 - 12:30 CEST
CME Credits: 1

Moderators:
Elisabeth Cardis; Barcelona / Spain
Guy Frija; Paris / France

ESR/EIBIR 3-1 - Chairpersons’ introduction (5 min)
Elisabeth Cardis; Barcelona / Spain
Guy Frija; Paris / France

ESR/EIBIR 3-2 - CT exposure in childhood and subsequent risk of cancer (10 min)
Elisabeth Cardis; Barcelona / Spain

ESR/EIBIR 3-3 - Patient-specific radiation dose and cancer risk for chest CT (10 min)
John Stratakis; Iraklion / Greece

ESR/EIBIR 3-4 - Cardiac CT and cardiac MRI biomarkers before and after breast cancer irradiation: the EARLY-HEART study (10 min)
Elie Mousseaux; Paris / France

ESR/EIBIR 3-5 - Effectiveness of staff radioprotective equipment during interventional procedures with a special focus on the eye lens and the brain (10 min)
Jérémie Dabin; Mol / Belgium

ESR/EIBIR 3-6 - EIBIR activities and upcoming funding opportunities (5 min)
Nathan Peld; Vienna / Austria

ESR/EIBIR 3-7 - Panel discussion: How can the results of the MEDIRAD project be translated into daily clinical practice? (10 min)
E³ 30A - Cerebral ischaemia

**Categories:** General Radiology, Imaging Methods, Neuro, Vascular  
**ETC Level:** LEVEL I+II  
**Date:** July 13, 2022 | 11:30 - 12:30 CEST  
**CME Credits:** 1  

**Moderator:**  
Luc Van Den Hauwe; Ekeren / Belgium

E³ 30A-2 - Cerebral ischaemia: beyond the usual suspects (20 min)  
Thijs van der Zijden; Antwerp / Belgium

E³ 30A-3 - How to assess and report CT angiography of the neck and intracranial vessels (20 min)  
Elias Johansson; Umea / Sweden

E³ 30A-4 - How to diagnose cerebral vein or dural sinus thrombosis and venous infarctions (20 min)  
Diana Aguiar de Sousa; Lisbon / Portugal
E³ 25A - Acute pancreatitis

Categories: Abdominal Viscera, GI Tract, Imaging Methods
ETC Level: LEVEL I+II
Date: July 13, 2022 | 11:30 - 12:30 CEST
CME Credits: 1

Moderator:
Riccardo Manfredi; Roma / Italy

E³ 25A-2 - Atlanta classification of acute pancreatitis (30 min)
Thomas Bollen; Nieuwegein / Netherlands

E³ 25A-3 - Role of imaging (30 min)
Charikleia Triantopoulou; Athens / Greece
**E³ 24A - Fundamentals of musculoskeletal trauma**

**Categories:** Emergency Imaging, Imaging Methods, Musculoskeletal, Neuro, Paediatric Imaging  
**ETC Level:** LEVEL I+II  
**Date:** July 13, 2022 | 11:30 - 12:30 CEST  
**CME Credits:** 1

**Moderator:**  
Antonio Leone; Rome / Italy

**E³ 24A-2 - Paediatric skeleton** (18 min)  
Vasco Mascarenhas; Lisbon / Portugal

**E³ 24A-3 - Commonly missed peripheral injury** (18 min)  
Reto Sutter; Zurich / Switzerland

**E³ 24A-4 - Spine** (18 min)  
Antonio Leone; Rome / Italy

**E³ 24A-5 - Panel discussion** (6 min)
AI 2 - AI and Imaging Fostering Collaborative Research

Categories: Artificial Intelligence & Machine Learning
Date: July 13, 2022 | 12:00 - 13:00 CEST
CME Credits: 1

Moderator:
Wim Van Hecke; icometrix / Belgium

AI 2-1 - Introduction (3 min)
Wim van Hecke; Leuven / Belgium

AI 2-2 - AI and Imaging Fostering Collaborative Research (42 min)
Luis Martí-Bonmatí; Valencia / Spain

AI 2-3 - Q&A (15 min)
RPS 416 - Miscellaneous oncology

**Categories:** Artificial Intelligence & Machine Learning, Contrast Media, Evidence-Based Imaging, Imaging Methods, Oncologic Imaging, Physics in Medical Imaging

**Date:** July 13, 2022 | 13:00 - 14:30 CEST

**CME Credits:** 1.5

**Moderator:**
Bram Van Ginneken; Nijmegen / Netherlands

**RPS 416-2 - Association of pre-radiotherapy tumour burden and overall survival in newly diagnosed glioblastoma corrected for MGMT methylation status: retrospective analysis of the EORTC CENTRIC-CORE trials**
Ahmad Alafandi; Rotterdam / Netherlands (8 min)

**RPS 416-4 - Development of a standard of quality in medical imaging along the patient pathway**
Elisabeth Schouman-Claeys; Neuilly-sur-Seine / France (8 min)

**RPS 416-5 - Use of T2 mDixon water image in oncological examination of soft-tissue MR**
Maria Johanna Koning; Zuidoostbeemster / Netherlands (8 min)

**RPS 416-6 - Image-guided superficial radiation therapy versus non-image guided superficial radiation therapy for treatment of non-melanoma skin cancer (NMSC): a comparison of studies**
Lio Yu; Dix Hils / United States (8 min)

**RPS 416-7 - Skeletal muscle cut-offs to determine 3-month survival in frail older cancer patients**
Antti Tolonen; Tampere / Finland (8 min)

**RPS 416-8 - Volumetric virtual non-calcium data of the spine’s bone marrow compartment in healthy individuals: an AI-assisted reference cohort of 500 dual-energy scans**
Nils Grosse Hokamp; Cologne / Germany (8 min)

**RPS 416-9 - Adherence of diagnostic accuracy studies published in Radiology to the STARD statement: a meta-analysis**
Ann-Christine Stahl; Berlin / Germany (8 min)

**RPS 416-10 - Detecting different early changes after the singular or combination treatments of VEGF inhibitor and anti-PD-L1 antibody by multimodal imaging in a mouse liver cancer model**
Feng Pan; Wuhan / China (8 min)
RPS 403 - Cardiac MRI of cardiomyopathy: part 1

Categories: Cardiac, Imaging Methods, Multidisciplinary
Date: July 13, 2022 | 13:00 - 14:30 CEST
CME Credits: 1.5

Moderator:
Türker Acar; Izmir / Turkey

RPS 403-2 - Different MRI presentation of arrhythmogenic cardiomyopathy: a challenge (8 min)
Elisa Listo; Florence / Italy

RPS 403-3 - Diastolic dysfunction assessment by CMR strain rate imaging reveals differences between hypertrophic phenotypes of Fabry's disease and hypertensive heart disease (8 min)
Moritz Halfmann; Mainz / Germany

RPS 403-4 - Pancreatic iron correlates with alterations of glucose metabolism and cardiac iron in regularly transfused thalassemia intermedia patients (8 min)
Alessia Pepe; Pisa / Italy

RPS 403-5 - The close link between pancreatic fat fraction and cardiac outcomes in thalassemia major (8 min)
Alessia Pepe; Pisa / Italy

RPS 403-6 - Modern iron chelation management of thalassemia major patients guided by MRI techniques: real-world data from a long-term cohort study (8 min)
Akın Çinkooğlu; Izmir / Turkey

RPS 403-7 - Comparison of T1 mapping and T2* for cardiac iron overload assessment in thalassemia major patients (8 min)
Rajan Narendrabhai Patel; Bharuch / India

RPS 403-8 - Impacts of T2DM on right ventricular systolic function and interactions between ventricles in patients with essential hypertension: evaluation by CMR tissue tracking (8 min)
Xue-Ming Li; Chengdu / China

RPS 403-9 - Long-term effects of transjugular intrahepatic portosystemic shunt on cardiac structure and function in cirrhotic patients: a cardiac magnetic resonance imaging study (8 min)
Alexander Isaak; Bonn / Germany

RPS 403-10 - Diffuse myocardial inflammation and fibrosis in patients with systemic lupus erythematosus insights from cardiac magnetic resonance T1 mapping (8 min)
CTiR 4 - Clinical Trials in Radiology 1

Date: July 13, 2022 | 13:00 - 14:30 CEST
CME Credits: 1.5

Moderators:
Marc Dewey; Berlin / Germany
Adrian Brady; Cork / Ireland

CTiR 4-1 - Chairpersons' introduction (10 min)
Marc Dewey; Berlin / Germany
Adrian Brady; Cork / Ireland

CTiR 4-2 - Mammography screening with stand-alone artificial intelligence compared to single and double reading with and without consensus discussions (8 min)
Anders Tingberg; Malmö / Sweden

CTiR 4-3 - Discussant (4 min)
Eva M. Fallenberg; Munich / Germany

CTiR 4-4 - Development and multicentre validation of a multiparametric imaging model to predict treatment response in rectal cancer (8 min)
Niels Schurink; Amsterdam / Netherlands

CTiR 4-5 - Discussant (4 min)
Martin Reim; Tartu / Estonia

CTiR 4-6 - Varying prognostic value of CT-derived CAD measures across ASCVD risk strata: insights from the PROMISE trial (8 min)
Borek Foldyna; Boston, MA / United States

CTiR 4-7 - Discussant (4 min)
Hatem Alkadhi; Zurich / Switzerland

CTiR 4-8 - Coronary computed tomography versus invasive coronary angiography in patients with stable chest pain referred for invasive coronary angiography with intermediate pretest probability of coronary artery disease (DISCHARGE): primary endpoint results from an open-label, parallel-group, multicentre trial (8 min)
Klaus Kofoed; Copenhagen / Denmark

CTiR 4-9 - Discussant (4 min)
CTiR 4-10 - Fractal analysis of dynamic stress myocardial perfusion CT improves detection of obstructive coronary artery disease: a multicentre investigation (8 min)
Florian Michallek; Berlin / Germany

CTiR 4-11 - Discussant (4 min)
Christian Loewe; Vienna / Austria

CTiR 4-12 - Addition of FFRct in the Diagnostic Pathway of Patients with Stable Chest Pain (FUSION): rationale and design of a multicentre randomised controlled trial (8 min)
Simran Sharma; Rotterdam / Netherlands

CTiR 4-13 - Discussant (4 min)
Maja Pirnat; Maribor / Slovenia
RPS 402 - How to improve lesion characterisation in breast imaging

**Categories:** Breast, Contrast Media, Evidence-Based Imaging, Imaging Methods

**Date:** July 13, 2022 | 13:00 - 14:30 CEST

**CME Credits:** 1.5

**Moderator:**
Lucia Graña Lopez; Lugo / Spain

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RPS 402-2 - Structured reporting and clinical decision rules improve breast MRI assessment even in challenging clinical situations (8 min)
Matthias Dietzel; Erlangen / Germany

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RPS 402-3 - New suspicious findings on breast MRI during NACT follow-up: radiological-pathological correlation (8 min)
Mirjan Nadrijanski; Belgrade / Serbia

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RPS 402-4 - Quantification of enhancement intensity and pattern of benign and malignant lesions in contrast enhanced spectral mammography and its correlation with magnetic resonance imaging enhancement patterns (8 min)
Iris Allajbeu; Cambridge / UK

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RPS 402-5 - Diagnostic efficiency of ultrafast DCE breast MRI in differentiation of malignant and benign breast lesions (8 min)
Kartini Rahmat; Kuala Lumpur / Malaysia

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RPS 402-6 - A multicentric comparison of the Göttingen-score and the Kaiser-score in the assessment of breast MRI lesions (8 min)
Matthias Dietzel; Erlangen / Germany

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RPS 402-7 - Effects of BI-RADS combined with breast contrast-enhanced ultrasound (CEUS) prediction model on biopsy rate and assessing risk of malignancy of breast lesions (8 min)
Hao Wu; Chengdu / China

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RPS 402-8 - Influence of intravenous Gadolinium-based contrast on the estimation of IVIM parameters in breast MRI (8 min)
Barbara Fueger; Vienna / Austria

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RPS 402-9 - Application of delayed-contrast MRI for improved sensitivity in breast cancer diagnosis (8 min)
Dianne Daniels; Tel-Hashomer / Israel

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RPS 402-10 - Incidental lesions detected on magnetic resonance imaging are more common among patients with luminal A-like breast cancers (8 min)
Antti Sassi; Tampere / Finland

RPS 402-11 - Radiological features of B3 breast lesions in mutation carrier patients: our retrospective experience (8 min)
Laura Messina; Rome / Italy
RPS 405 - Artificial intelligence (AI) in chest imaging: part 1

Categories: Artificial Intelligence & Machine Learning, Chest, Oncologic Imaging
Date: July 13, 2022 | 13:00 - 14:30 CEST
CME Credits: 1.5

Moderator:
Dag Wormanns; Berlin / Germany

RPS 405-2 - Malignancy risk stratification for pulmonary nodules: comparing a deep-learning approach to multiparametric statistical methods (8 min)
Lars Piskorski; Heidelberg / Germany

RPS 405-3 - Detection of unreported clinically significant pulmonary nodules using a combination of computer vision (CV) algorithm and report processing (8 min)
Dana Stav; Tel Aviv-Yafo / Israel

RPS 405-4 - Earlier discharge of patients from follow-up for lung cancer screening using artificial intelligence for detection of pulmonary noduli on computed tomography (8 min)
Inge Gimbel; Utrecht / Netherlands

RPS 405-5 - AI post-COVID study. Predicting post-COVID pulmonary sequelae applying AI to imaging and clinical data: preliminary results of an Italian multicentre study (8 min)
Silvia Gonella; Milan / Italy

RPS 405-6 - Autonomous artificial intelligence-based reporting of chest x-rays in a primary health care setting in Oulu, FINLAND (8 min)
Osmo Tervonen; Oulu / Finland

RPS 405-7 - Transfer learning with convolutional neural network for pneumonia detection on chest radiographs (8 min)
Mitsuteru Tsuchiya; Hamamatsu / Japan

RPS 405-8 - Chest CT-based deep-learning model for predicting risk of transition to severe disease in patients with initial diagnosis of mild COVID-19 (8 min)
Xiaoping Yi; Changsha / China

RPS 405-9 - Evaluation and determination of radiological findings of COVID-19 lung lesions in Latvia: study of artificial intelligence performance (8 min)
Laura Keisa; Rīga / Latvia
RPS 405-10 - The value of AI based CT severity scoring system in the triage of patients with Covid-19 pneumonia as regards oxygen requirement and place of admission (8 min)
ANIRUDH KOHLI; Mumbai / India

RPS 405-11 - Automated detection of emphysema using artificial intelligence on CT scans: accuracy and prognostic value (8 min)
Cristina Mota; Lousada / Portugal

RPS 405-12 - Measuring the impact of Artificial Intelligence-enhanced x-ray image analysis on the reporting performance of frontline clinicians: the GE critical care suite pneumothorax reader study (8 min)
Alex Novak; Oxford / UK
BS 4a - Genitourinary

**Categories:** General Radiology, Genitourinary, Imaging Methods

**ETC Level:** LEVEL I+II

**Date:** July 13, 2022 | 13:00 - 14:30 CEST

**CME Credits:** 1.5

**Moderator:**
Bernd Hamm; Berlin / Germany

**BS 4a-2 - Imaging of the kidney (30 min)**
Olivera Nikolic; Novi Sad / Serbia

**BS 4a-3 - Imaging of the urinary bladder (30 min)**
Ahmet T. Turgut; Ankara / Turkey

**BS 4a-4 - Imaging of the testis (30 min)**
Lorenzo E. Derchi; Genoa / Italy
SF 4a - Normal variants and diagnostic errors in child abuse: you can never know too much

Categories: Emergency Imaging, Imaging Methods, Medico-legal, Musculoskeletal, Paediatric Imaging
ETC Level: LEVEL II+III
Date: July 13, 2022 | 13:00 - 14:30 CEST
CME Credits: 1.5

Moderator:
Amaka C. Offiah; Sheffield / United Kingdom

SF 4a-1 - Chairperson’s introduction (5 min)
Amaka C. Offiah; Sheffield / UK

SF 4a-2 - Unusual suspects part 1: mimickers of abusive head trauma (18 min)
Cyrine Drissi; Le Kremlin-Bicêtre / France

SF 4a-3 - Unusual suspects part 2: mimickers of inflicted skeletal injury (18 min)
Maria Raissaki; Iraklion / Greece

SF 4a-4 - What’s in a name? Nomenclature of abusive trauma (18 min)
Ignasi Barber; Esplugues de Llobregat / Spain

SF 4a-5 - When and why we use CT or MRI in suspected inflicted trauma (18 min)
Rick R. van Rijn; Amsterdam / Netherlands

SF 4a-6 - Panel discussion: Multidisciplinary assessment of the child and siblings: who, when, and how? (13 min)
**E³ 418 - Soft tissue sarcoma: a multidisciplinary approach**

**Categories:** Abdominal Viscera, Imaging Methods, Multidisciplinary, Musculoskeletal, Oncologic Imaging  
**ETC Level:** LEVEL II+III  
**Date:** July 13, 2022 | 13:00 - 14:30 CEST  
**CME Credits:** 1.5

**Moderator:**  
Paul Gerard O'Donnell; Stanmore / United Kingdom

**E³ 418-1 - Chairperson's introduction** (5 min)  
Paul O'Donnell; Stanmore / UK

**E³ 418-2 - Soft tissue sarcomas and tight margins: surgical realities** (15 min)  
Michiel A.J. van de Sande; Leiden / Netherlands

**E³ 418-3 - General imaging features of a soft tissue mass: can a benign mass be reliably distinguished from a sarcoma?**  
(15 min)  
Paul O'Donnell; Stanmore / UK

**E³ 418-4 - Distant staging of soft tissue sarcoma** (15 min)  
Michele Calleja; Stanmore / UK

**E³ 418-5 - Multidisciplinary tumour board: case based panel discussion** (40 min)  
Paul O'Donnell; Stanmore / UK  
Kirsten van Langevelde; Leiden / Netherlands  
Michiel A.J. van de Sande; Leiden / Netherlands
**E³ 431 - Solid lung nodules: how to diagnose and treat - a multidisciplinary approach**

**Categories:** Artificial Intelligence & Machine Learning, Chest, Interventional Oncologic Radiology, Multidisciplinary, Oncologic Imaging

**ETC Level:** ALL LEVELS

**Date:** July 13, 2022 | 13:00 - 14:30 CEST

**CME Credits:** 1.5

**Moderator:**
Jürgen Biederer; Seeheim-Jugenheim / Germany

**E³ 431-1 - Chairperson's introduction (5 min)**
Jürgen Biederer; Heidelberg / Germany

**E³ 431-2 - Morphological approach to solid lung nodules (10 min)**
Arjun Nair; London / UK

**E³ 431-3 - How to manage solid lung nodules (15 min)**
Constance de Margerie-Mellon; Paris / France

**E³ 431-4 - What to expect from artificial intelligence (AI) (15 min)**
Colin Jacobs; Nijmegen / Netherlands

**E³ 431-5 - Multidisciplinary tumour board: case-based panel discussion (45 min)**
Jürgen Biederer; Heidelberg / Germany
Elaine Borg; London / UK
Simon Wan; Leeds / UK
E³ 432 - Prostate cancer: a multidisciplinary approach

Categories: Genitourinary, Molecular Imaging, Multidisciplinary, Nuclear Medicine, Oncologic Imaging
ETC Level: LEVEL II+III
Date: July 13, 2022 | 13:00 - 14:30 CEST
CME Credits: 1.5

Moderator:
Anwar R. Padhani; Northwood / United Kingdom

E³ 432-1 - Chairperson’s introduction (5 min)
Anwar R. Padhani; London / UK

E³ 432-2 - Oligometastatic prostate cancer (OMPC): opportunities for advancing care (15 min)
Thomas Zilli; Geneva / Switzerland

E³ 432-3 - Conventional versus next-generation imaging for detecting and directing MDT (20 min)
Irene A. Burger; Zurich / Switzerland

E³ 432-4 - Pokemets, biases, and follow-up after MDT (20 min)
Stefano Fanti; Bologna / Italy

E³ 432-5 - Multidisciplinary tumour board: case-based panel discussion (30 min)
Anwar R. Padhani; London / UK
OF 4b - New applications and technologies for the medical use of ionising radiation and related quality and safety perspectives (an update from the EURAMED rocc-n-roll project)

Categories: EuroSafe Imaging/Radiation Protection
ETC Level: LEVEL III
Date: July 13, 2022 | 13:00 - 14:00 CEST
CME Credits: 1

Moderators:
Christoph Hoeschen; Magdeburg / Germany
Katrine Riklund; Umeå / Sweden

OF 4b-1 - Chairpersons' introduction (10 min)
Christoph Hoeschen; Magdeburg / Germany
Katrine Riklund; Umea / Sweden

OF 4b-2 - New applications and technologies in interventional procedures (10 min)
Christina Iosif; Nicosia / Cyprus

OF 4b-3 - New developments in paediatric radiology (10 min)
Claudio Granata; Genoa / Italy

OF 4b-4 - The clinical EURAMED rocc-n-roll perspective on new developments (10 min)
Katrine Riklund; Umea / Sweden

OF 4b-5 - Open forum discussion (20 min)
OF 4R - Specialising in medical imaging informatics

**Categories:** Education, Imaging Informatics, Multidisciplinary, Professional Issues, Radiographers

**Date:** July 13, 2022 | 13:00 - 14:00 CEST

**CME Credits:** 1

**Moderator:**
Christoph Kamp; Vienna / Austria

**OF 4R-1 - Chairperson’s introduction** (5 min)
Christoph Kamp; Vienna / Austria

**OF 4R-2 - What lies ahead in medical imaging informatics: the EuSoMII perspective** (15 min)
Elmar Kotter; Freiburg / Germany

**OF 4R-3 - My role as a medical imaging informatics specialist** (30 min)
Candice Whitfield; Dublin / Ireland
Simon Lysdahlgaard; Esbjerg / Denmark

**OF 4R-4 - Open forum discussion** (10 min)
OF 4Y - My involvement in a subspecialty committee: a multidisciplinary perspective (part 2)

Categories: Education, Management/Leadership, Multidisciplinary, Students
ETC Level: ALL LEVELS
Date: July 13, 2022 | 13:00 - 14:00 CEST
CME Credits: 1

Moderator:
Doenja Marina Johanna Lambregts; Amsterdam / Netherlands

OF 4Y-1 - Chairperson's introduction (5 min)
Doenja M. Lambregts; Amsterdam / Netherlands

OF 4Y-2 - EuSoMII Young Club (15 min)
Michail Klontzas; Iraklion / Greece

OF 4Y-3 - Young UEG (15 min)
Henriette Heinrich; Zurich / Switzerland

OF 4Y-4 - Young ESGAR (15 min)
Katja N. De Paepe; London / UK

OF 4Y-5 - Discussion (10 min)
PC 4 - The sustainable imaging department

Categories: Contrast Media, General Radiology, Management/Leadership, Professional Issues, Radiographers
ETC Level: LEVEL I
Date: July 13, 2022 | 13:00 - 14:30 CEST
CME Credits: 1.5

Moderator:
Pim A. De Jong; Houten / Netherlands

PC 4-1 - Chairpersons' introduction: the circle is round (2 min)
Pim A. de Jong; Utrecht / Netherlands

PC 4-2 - Reducing costs in imaging acquisition (15 min)
Andrew Webb; Leiden / Netherlands

PC 4-3 - Reducing energy consumption in radiology reporting practice (15 min)
Wilfred C.G. Peh; Singapore / Singapore

PC 4-4 - Reducing waste in diagnostic and interventional radiology (15 min)
Joachim E. Wildberger; Maastricht / Netherlands

PC 4-5 - The sustainable employee: the search for high-performing teams in radiology through radiographers (15 min)
Elskemare Bonnema; Utrecht / Netherlands

PC 4-6 - Panel discussion: Triple-P bottom line in the imaging department (28 min)
SF 4b - Subtle findings in emergency radiology: we have to be alert to recognise

**Categories:** Chest, Emergency Imaging, GI Tract, Head and Neck, Neuro

**ETC Level:** LEVEL II+III

**Date:** July 13, 2022 | 13:00 - 14:30 CEST

**CME Credits:** 1.5

**Moderator:**
Mariano Scaglione; Castel Volturno / Italy

**SF 4b-1 - Chairperson’s introduction** (5 min)
Mariano Scaglione; Castel Volturno / Italy

**SF 4b-2 - Subtle findings in emergency neuroradiology** (20 min)
Tilak Das; Cambridge / UK

**SF 4b-3 - Subtle imaging findings in chest emergencies** (20 min)
Paola Franchi; Teramo / Italy

**SF 4b-4 - Subtle imaging findings in abdominal emergencies** (20 min)
Ingrid Millet; Montpellier / France

**SF 4b-5 - Panel discussion: Which subtle imaging findings are helpful and how can imaging protocols be optimised?** (25 min)
CUBE 4 - IR as your future - more than catheters and guidewires

**Categories:** Interventional Radiology
**Date:** July 13, 2022 | 14:00 - 14:30 CEST
**CME Credits:** 0.5

- IR as your future - more than catheters and guidewires (30 min)
Eduardo Pacios; Madrid / Spain
AI 4 - AI Workflow Integration

Categories: Artificial Intelligence & Machine Learning
Date: July 13, 2022 | 14:00 - 15:00 CEST
CME Credits: 1

Moderator:
Elad Walach; Tel Aviv / Israel

AI 4-1 - Introduction (3 min)
Elad Walach; New York / United States

AI 4-2 - Panel Discussion (57 min)
Sean Benson; Amsterdam / Netherlands
Henry Woodruff; Maastricht / Netherlands
Tim Leiner; Rochester / United States
EU 5 - European consensus on gonad and patient shielding: the GAPS group - can we come to our consensus?

**Categories:** EuroSafe Imaging/Radiation Protection, Paediatric Imaging, Physics in Medical Imaging, Professional Issues, Radiographers

**ETC Level:** LEVEL II

**Date:** July 13, 2022 | 15:00 - 16:00 CEST

**CME Credits:** 1

**Moderator:**
Paddy Gilligan; Dublin / Ireland

**EU 5-1 - Chairperson's introduction (5 min)**
Paddy Gilligan; Dublin / Ireland

**EU 5-2 - Current practice in Europe (7 min)**
Marta Sans Merce; Geneva / Switzerland

**EU 5-3 - The GAPS statement (12 min)**
Peter Hiles; Wales / UK

**EU 5-4 - Current European practice of shielding in paediatric radiology (12 min)**
Claudio Granata; Genoa / Italy

**EU 5-5 - The role of the radiographer in shielding (7 min)**
Shane J. Foley; Dublin / Ireland

**EU 5-6 - Shielding: the patient's viewpoint (7 min)**
Erik Briers; Hasselt / Belgium

**EU 5-7 - Panel discussion: Patient shielding: can we come to our consensus? (10 min)**
RPS 510 - Musculoskeletal imaging of the lower limbs

**Categories:** EuroSafe Imaging/Radiation Protection, General Radiology, Imaging Methods, Musculoskeletal

**Date:** July 13, 2022 | 15:00 - 16:00 CEST

**CME Credits:** 1

**Moderator:**
Ihsan Şebnem Sebnem Örgüç; Manisa / Turkey

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**RPS 510-2 - Basic and advanced metal-artifact reduction techniques at ultra-high field 7 tesla MRI: phantom study investigating feasibility and efficacy** (8 min)
Christoph Germann; Zurich / Switzerland

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**RPS 510-3 - Three-dimensional analysis for quantification of knee joint space width with weight-bearing CT: comparison with non-weight-bearing CT and weight-bearing radiography** (8 min)
Benjamin Fritz; Zurich / Switzerland

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**RPS 510-4 - Femoral version measurement in slipped capital femoral epiphysis patients using MRI with T1 VIBE DIXON to detect femoral retroversion** (8 min)
Till Lerch; Bern / Switzerland

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**RPS 510-5 - Prognostic value of whole-body low-dose CT (WBLDCT) in multiple myeloma** (8 min)
Teresa Paola Giandola; Monza / Italy

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**RPS 510-6 - Impact of iterative metal artifact reduction on artifact burden and diagnostic image quality in the setting of external fixation for complex lower extremity fractures** (8 min)
Haidara Almansour; Tübingen / Germany

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**RPS 510-7 - Magnetic resonance imaging of the lower limbs in suspected Idiopathic Inflammatory Myopathy (IIM) patients** (8 min)
Laura Ludovica Gramegna; Bologna / Italy

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**RPS 510-8 - Muscle imaging beyond morphology: chemical exchange saturation transfer imaging of lactate** (8 min)
Daniel B. Abrar; Düsseldorf / Germany
Meets 5 - Collaborative radiographer research: preserving radiographer's history and evolving radiation therapy professional role in the United States

Categories: Management/Leadership, Radiographers, Research
Date: July 13, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderators:
Haakon H. Hjemly; Oslo / Norway
Kristi Moore; Vaughan / United States
Efthimios M. Agadakos; Athens / Greece

Meets 5-5 - Introduction (10 min)
Donna Newman; Fargo, ND / United States
Kristi Moore; Jackson, MS / United States

Meets 5-6 - The ASRT museum and archives: preserving the history of radiographers in the United States (15 min)
Salvatore T. Martino; Albuquerque, NM / United States

Meets 5-7 - Supporting radiographers’ research efforts in the USA and internationally (15 min)
Kristi Moore; Jackson, MS / United States

Meets 5-8 - The evolving role of the radiation therapist in the United States (15 min)
Steven Hardy; Albuquerque, NM / United States

Meets 5-9 - Panel discussion: Evolving roles in medical imaging and how to support national and international radiographer research efforts (5 min)
OF 5a - The relevance of the ESR Quality, Safety and Standards Committee (QSSC) in radiology practice

Categories: EuroSafe Imaging/Radiation Protection, Multidisciplinary, Professional Issues
ETC Level: LEVEL III
Date: July 13, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Nuria Bargallo I Alabart; Barcelona / Spain

OF 5a-2 - Audits and Standards Subcommittee (10 min)
David C. Howlett; Eastbourne / UK

OF 5a-3 - eHealth and Informatics Subcommittee (10 min)
Elmar Kotter; Freiburg / Germany

OF 5a-4 - Ultrasound Subcommittee (10 min)
Paolo Ricci; Rome / Italy

OF 5a-5 - Radiation Protection Subcommittee (10 min)
Franz Kainberger; Vienna / Austria

OF 5a-6 - Panel discussion: The impact of the QSSC activities in our clinical practice: what is next? (20 min)
OF 5b - New directions in preclinical molecular imaging

Categories: Hybrid Imaging, Imaging Methods, Molecular Imaging, Research, Translational Imaging
ETC Level: LEVEL II
Date: July 13, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Silvio Aime; Torino / Italy

OF 5b-1 - Chairperson’s introduction (5 min)
Silvio Aime; Turin / Italy

OF 5b-2 - Role of intracellular water lifetime as a tumour biomarker detectable by "in vivo" fast-field cycling relaxometry (12 min)
Simonetta Geninatti; Turin / Italy

OF 5b-3 - The multiple dimensions of state-of-the-art optoacoustic imaging (30 min)
Vasilis Ntziachristos; Munich / Germany

OF 5b-4 - EIBIR activities and upcoming funding opportunities (5 min)
Katharina Krischak; Vienna / Austria

OF 5b-5 - Discussion (8 min)
OF 5Y - Career paths: clinical radiology

Categories: Education, General Radiology, Professional Issues, Students
ETC Level: ALL LEVELS
Date: July 13, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Minerva Becker; Geneva / Switzerland

OF 5Y-2 - Impact of the radiologist on clinical decision making (10 min)
Minerva Becker; Geneva / Switzerland

OF 5Y-3 - Clinical radiology in a busy ultrasound department (10 min)
Demosthenes D. Cokkinos; Athens / Greece

OF 5Y-4 - A busy paediatric ultrasound unit (10 min)
Méryle Laurent; Geneva / Switzerland

OF 5Y-5 - Radiologist’s role in the acute emergency (AE) department (10 min)
Maeke Scheerder; Amsterdam / Netherlands

OF 5Y-6 - Discussion (20 min)
RC 502 - Pros and Cons: Intermediate risk screening should be done with breast MRI and not with contrast-enhanced mammography

Categories: Breast, Imaging Methods, Oncologic Imaging, Professional Issues
ETC Level: LEVEL II+III
Date: July 13, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Thomas H. Helbich; Vienna / Austria

RC 502-1 - Chairperson's introduction (5 min)
Thomas H. Helbich; Vienna / Austria

RC 502-2 - PRO (15 min)
Ritse M. Mann; Nijmegen / Netherlands

RC 502-3 - CON (15 min)
Marc B.I. Lobbes; Maastricht / Netherlands

RC 502-4 - Panel discussion: Will we need to use contrast agents in screening? (25 min)
RC 505 - The 3 laws of robotics applied to artificial intelligence (AI) in radiology

Categories: Artificial Intelligence & Machine Learning, Imaging Informatics, Management/Leadership, Professional Issues
ETC Level: LEVEL II+III
Date: July 13, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Federica Zanca; Leuven / Belgium

RC 505-1 - Chairperson’s introduction (5 min)
Federica Zanca; Leuven / Belgium

RC 505-2 - AI may not injure a human being or, through inaction, allow a human being to come to harm (15 min)
Andre Dekker; Maastricht / Netherlands

RC 505-3 - AI must obey the orders given it by human beings except where such orders would conflict with the First Law (15 min)
Gaspard d’Assignies; Rennes / France

RC 505-4 - AI must protect its own existence as long as such protection does not conflict with the First or Second Laws (15 min)
Jonas Teuwen; Nijmegen / Netherlands

RC 505-5 - Panel discussion: AI may not harm humanity, or, by inaction, allow humanity to come to harm (10 min)
RC 512 - Polytrauma management

Categories: Contrast Media, Emergency Imaging, Imaging Methods, Paediatric Imaging, Ultrasound

ETC Level: LEVEL II+III

Date: July 13, 2022 | 15:00 - 16:00 CEST

CME Credits: 1

Moderator:
Giulia Perucca; London / United Kingdom

RC 512-1 - Chairperson's introduction (5 min)
Giulia Perucca; Turin / Italy

RC 512-2 - CT in paediatric polytrauma (15 min)
Maria Raissaki; Iraklion / Greece

RC 512-3 - The role of contrast-enhanced ultrasound (CEUS) in paediatric polytrauma management (15 min)
Michele Galluzzo; Rome / Italy

RC 512-4 - How traumatic injuries differ in children compared to adults (15 min)
Ola Kvist; Stockholm / Sweden

RC 512-5 - Panel discussion: The role of paediatric radiologists in polytrauma management (10 min)
RC 516 - Ovarian cancer: where are we now?

**Categories:** Artificial Intelligence & Machine Learning, Genitourinary, Molecular Imaging, Nuclear Medicine, Oncologic Imaging

**ETC Level:** LEVEL II

**Date:** July 13, 2022 | 15:00 - 16:00 CEST

**CME Credits:** 1

**Moderator:**
Rosemarie Forstner; Salzburg / Austria

**RC 516-1 - Chairperson's introduction** (5 min)
Rosemarie Forstner; Salzburg / Austria

**RC 516-2 - Radiologic impact on surgery management in ovarian cancer** (15 min)
Stefania Rizzo; Lugano / Switzerland

**RC 516-3 - FDG-PET in ovarian cancer** (15 min)
Hebert Alberto Vargas; New York, NY / United States

**RC 516-4 - Radiomics promises in ovarian cancer management** (15 min)
Evis Sala; Cambridge / UK

**RC 516-5 - Panel discussion: What is the future of imaging ovarian cancer?** (10 min)
RC 503 - Cardiac CT for the non-cardiac radiologist: why every radiologist should be cardiac capable

Categories: Cardiac, Contrast Media, Education, General Radiology, Imaging Methods
ETC Level: LEVEL I
Date: July 13, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Iva Žuža; Rijeka/Kostrena / Croatia

RC 503-1 - Chairperson's introduction (5 min)
Iva Zuza; Rijeka / Croatia

RC 503-2 - Current guidelines and implications for radiology practice (15 min)
Katarzyna Gruszczynska; Katowice / Poland

RC 503-3 - Technical requirements and procedural practice (15 min)
Maja Pirnat; Maribor / Slovenia

RC 503-4 - Image analysis: how to interpret cardiac CT and what is important (15 min)
Firdaus A.A. Mohamed Hoesein; Utrecht / Netherlands

RC 503-5 - Panel discussion: Will this become a routine imaging investigation that every radiologist can do? (10 min)
RPS 513 - Planar radiology (radiography, mammography, fluoroscopy and interventional)

Date: July 13, 2022 | 15:00 - 16:00 CEST

Moderator:
Osvaldo Rampado; Turin / Italy

RPS 513-2 - Detection and diagnosis of pulmonary emphysema in COPD-patients using x-ray dark-field chest radiography (8 min)
Theresa Urban; Garching / Germany

RPS 513-3 - The potential win of including the patient size in large scale outlier analysis for chest radiography (8 min)
Niki Fitousi; Leuven / Belgium

RPS 513-4 - Dynamic phantom in fluoroscopy for high and low contrast assessment (8 min)
Raffaele Villa; Monza / Italy

RPS 513-5 - Helping to know personal occupational doses to improve the interventional practices (8 min)
Roberto Sanchez; Madrid / Spain

RPS 513-6 - Typical diagnostic reference levels assessment for cardiology, interventional radiology and neuroradiology procedures using a radiation dose tracking system (8 min)
Paola E. Colombo; Milano / Italy

RPS 513-7 - Diagnostic performance and organ dose evaluation in radiological diagnosis and follow-up of Ollier enchondromatosis paediatric patients: a phantom study (8 min)
Anna Piai; Milano / Italy

RPS 513-8 - Synthetic mammography detection performance evaluation for different vendors using an anthropomorphic model observer and 3D structured phantom (8 min)
Liesbeth Vancoillie; Leuven / Belgium
RPS 511 - The developing brain

Categories: Imaging Methods, Neuro, Paediatric Imaging
Date: July 13, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Zoran Rumboldt; Rovinj-Rovigno / Croatia

RPS 511-2 - Quantitative in utero fMRI assessment of functional asymmetries in the developing human brain (8 min)
Athena Taymourtash; Vienna / Austria

RPS 511-3 - Pilot study on brain ASL perfusion in newborns with HIE after hypothermia: a comparison between two different anesthesiologic drugs (8 min)
Davide Del Roscio; Siena / Italy

RPS 511-4 - The transient zones of human fetal telencephalon wall: 3T MR intensities and thicknesses (8 min)
Ivana Pogledic; Vienna / Austria

RPS 511-5 - Evaluation of sulcal developmental asymmetry in fetal cerebral isolated ventricolomegaly by fetal magnetic resonance imaging and post-delivery outcomes (8 min)
Saeid Esmaeilian; Shiraz / Iran

RPS 511-6 - GABA-concentration in posterior cingulate cortex increases after acute paediatric concussion (8 min)
Andrei Manzhurtsev; Moscow / Russia

RPS 511-7 - Synthetic MRI-based fast gray matter acquisition T1 inversion recovery (FGATIR) contrasts identify neonatal brainstem pathways in vivo (8 min)
Victor Schmidbauer; Vienna / Austria

RPS 511-8 - Motion correction and volumetric reconstruction for fetal fMRI (8 min)
Daniel Sobotka; Vienna / Austria
RPS 504 - Cardiovascular disease in chest imaging

**Categories:** Cardiac, Chest, EuroSafe Imaging/Radiation Protection, Imaging Methods

**Date:** July 13, 2022 | 15:00 - 16:00 CEST

**CME Credits:** 1

**Moderator:**
Monika Radikë; Liverpool / United Kingdom

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**RPS 504-2 - Ultra-high pitched tin-filtered CT pulmonary angiography in radiation dose reduction for pulmonary embolism investigations in young females** (8 min)
Saad Rehan; Clayton / Australia

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**RPS 504-3 - Clinical importance of CT lung parenchymal appearances in chronic thromboembolic pulmonary hypertension: a retrospective cohort study** (8 min)
Lojain Abdulaal; Sheffield / UK

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**RPS 504-4 - CT assessment of bronchial arteries in predicting the development of chronic thromboembolic disease (CTED) after acute pulmonary embolism** (8 min)
Andrey Uchevatkin; Moscow / Russia

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**RPS 504-5 - Imaging in the detection of pulmonary emboli: are we minimising radiation dose?** (8 min)
Priyanka Singhal; Bristol / UK

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**RPS 504-6 - High rate of identification of ruptured mitral valve prolapse on non-ECG-gated chest CT** (8 min)
Min ji Son; Seoul / Korea, Republic of

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**RPS 504-7 - Atrial size ratio in computed tomography pulmonary angiography as a prognostic factor in patients with acute pulmonary thromboembolism** (8 min)
Srinivas Revanna; Bangalore / India

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**RPS 504-8 - Non-invasive detection of severe PH in lung disease using magnetic resonance imaging** (8 min)
Dheyaa Alkhanfar; Sheffield / UK
RPS 501 - The role of CT imaging in primary liver malignancies

Categories: Abdominal Viscera, Imaging Methods, Oncologic Imaging, Research
Date: July 13, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Giuseppe Brancatelli; Palermo / Italy

RPS 501-2 - Diagnostic performance of LI-RADS v2018 and EASL v2018 for hepatocellular carcinoma on dual-layer spectral detector CT (8 min)
Wu Zhang; Guangzhou / China

RPS 501-3 - Diagnostic performance of LI-RADS for HCC after the auxiliary features replaced the threshold growth (8 min)
Rong Lu; Tianjin / China

RPS 501-4 - Imaging features of histological subtypes of hepatocellular carcinoma: implication for the LI-RADS (8 min)
Roberto Cannella; Palermo / Italy

RPS 501-5 - Predicting symptomatic post-hepatectomy liver failure in patients with hepatocellular carcinoma: development and validation of a preoperative nomogram (8 min)
Haiyi Long; Guangzhou / China

RPS 501-6 - Preoperative CT-body composition in patients with perihilar cholangiocarcinoma: specific body composition types in correlation to perioperative morbidity and outcome (8 min)
Laura Segger; Berlin / Germany

RPS 501-7 - CT features of mixed primary liver cancers with a special focus on the two different histological subtypes (8 min)
Anna Pecorelli; Bologna / Italy
RPS 515 - Vascular imaging: miscellaneous

Categories: Vascular  
Date: July 13, 2022 | 15:00 - 16:00 CEST  
CME Credits: 1

Moderator:  
Thomas Rodt; Lüneburg / Germany

RPS 515-2 - Comparison of true-non-contrast and virtual-non-contrast phases derived from arterial and delayed phases of fast-kVp switching dual-energy CT in patients after EVAR (8 min)  
Wojciech Kazimierczak; Bydgoszcz / Poland

RPS 515-3 - Photon Counting CT angiography of the head and neck: image quality assessment of polyenergetic and virtual monoenergetic reconstructions (8 min)  
Arwed Michael; Minden / Germany

RPS 515-4 - A potential role of venous congestion in COVID-19-related pulmonary embolism distribution (8 min)  
David Rotzinger; Lausanne / Switzerland

RPS 515-5 - Simulating the impact of section thickness on automated measurements of pulmonary vascular volume on thin-slice, volumetric CT (8 min)  
Benjamin Lavon; Kontich / Belgium

RPS 515-6 - Evaluation of MR biomarkers for advanced classification and therapy monitoring of patients with venous malformation (8 min)  
Fabian Haupt; Bern / Switzerland

RPS 515-7 - Clinical application of high-frame rate vector flow imaging technology in evaluating hemodynamic changes of moderate and severe carotid stenosis (8 min)  
Wenping Wang; Shanghai / China

RPS 515-8 - Reliability of Tomographic 3D Ultrasound in measuring carotid plaque volume (8 min)  
Adel Alzahrani; London / UK
RPS 506 - Hybrid imaging

Categories: Cardiac, Hybrid Imaging, Imaging Methods, Molecular Imaging, Nuclear Medicine, Oncologic Imaging

Date: July 13, 2022 | 15:00 - 16:00 CEST

CME Credits: 1

Moderator:
Jirí Ferda; Plzen / Czechia

RPS 506-2 - Initial nodal staging in newly diagnosed breast cancer: comparability between whole body MRI and [18F]-FDG PET/MRI (8 min)
Bano Alsaleh; Manama / Bahrain

RPS 506-3 - Performance of whole-body [18F]-FDG-PET/MRI in lymphoma patients: a single-centre study (8 min)
Bano Alsaleh; Manama / Bahrain

RPS 506-4 - Convolutional neural network-based analysis of PSMA PET/CT for predicting PSA-based response to 177Lu-PSMA radioligand therapy in mCRPC patients (8 min)
Thomas Geyer; Munich / Germany

RPS 506-5 - Quantification of coronary artery atherosclerotic burden and muscle mass: comparison of two software programs (8 min)
Carmela Nappi; Naples / Italy

RPS 506-6 - The diagnosis of b-thalassemia in an early medieval archaeological context: the contribution of radiology (8 min)
Amalia Lupi; Padova / Italy
RPS 503 - MR imaging of myocardial scar

Categories: Cardiac, Contrast Media, Hybrid Imaging
Date: July 13, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Karl-Friedrich Kreitner; Mainz / Germany

RPS 503-2 - Histopathological validation of semi-automated myocardial scar quantification techniques for dark-blood LGE MRI (8 min)
Hedwig Nies; Maastricht / Netherlands

RPS 503-3 - Novel 3D dark-blood late gadolinium enhancement MRI for visualisation of atrial scar to guide atrial fibrillation ablation (8 min)
Geertruida Bijvoet; Maastricht / Netherlands

RPS 503-4 - Role of early cardiac magnetic resonance in patients with acute myocardial infarction (8 min)
Olga Mochula; Tomsk / Russia

RPS 503-5 - Myocardial necrosis and inflammation markers of myocardial ischaemia-reperfusion injury in patients with ST-elevation myocardial infarction (8 min)
Tatsiana Rusak; Minsk / Belarus

RPS 503-6 - The role of stress T1 mapping in detecting hibernating myocardium based on swine model and pathology (8 min)
Baiyan Zhuang; Beijing / China

RPS 503-7 - Native T1 mapping to detect the extent of acute ST-segment elevation myocardial infarction and viable myocardium compared to delayed gadolinium-enhanced MRI (8 min)
Yuliya Shalaginova; Moscow / Russia

RPS 503-8 - T1 Mapping in cardiac magnetic resonance in patients with premature ventricular complexes (8 min)
Ilenia Notarangelo; Manfredonia / Italy
RPS 507 - Advances in Gynaecologic Imaging

Categories: Genitourinary
Date: July 13, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Nina Pötsch; Wien / Austria

RPS 507-2 - Diagnostic performance of contrast-enhanced ultrasound with Sonazoid in endometrial carcinoma: a preliminary and multicentre clinical study from China (8 min)
Li Xin; Beijing / China

RPS 507-3 - Repeatability and reproducibility of quantitative cervical strain elastography (E-Cervix) in pregnancy (8 min)
Jakub Mlodawski; Kielce / Poland

RPS 507-4 - Serial measurement of anterior and posterior uterocervical angles as a predicting tool for spontaneous preterm birth (8 min)
Zahra Mahboubi; Tehran / Iran

RPS 507-5 - Diagnostic value of MR for placenta accreta spectrum disorders (8 min)
Radina Radeva; Sofia / Bulgaria

RPS 507-6 - Characteristics of unicornuate uterus subtype on MRI and assessment of patient outcomes: an 11-year retrospective study (8 min)
Geetanjali Kakar; London / UK

RPS 507-7 - Polycystic ovary syndrome in adolescent girls: role of MRI in diagnosis and comparison of its utility with ultrasonography: analytical cross-sectional study (8 min)
Shreeya Tiwari; Nagpur / India

RPS 507-8 - Percutaneous nephrostomy during pregnancy: experiences from a tertiary centre (8 min)
Frances Hughes; SHEFFIELD / UK
RPS 509 - Therapeutic embolotherapy

**Categories:** Abdominal Viscera, Interventional Radiology, Multidisciplinary, Vascular

**Date:** July 13, 2022 | 15:00 - 16:00 CEST

**CME Credits:** 1

**Moderator:**
Geert Maleux; Tienen / Belgium

RPS 509-2 - Splenic artery steal syndrome in patients with orthotopic liver transplant: where to embolise the splenic artery? (8 min)
Florian Nima Fleckenstein; Berlin / Germany

RPS 509-3 - Aneurysmal bone cysts treatment: curettage versus transarterial embolisation in the treatment of 320 patients (8 min)
Claudia Martella; Bologna / Italy

RPS 509-4 - Management of pseudo-aneurysms in splenic trauma (8 min)
Sarah Batting; London / UK

RPS 509-5 - Arterioportal fistulas in pediatric patients: single-centre experience with interventional radiological versus conservative management and clinical outcomes (8 min)
Francesco Saverio Carbone; Milano / Italy

RPS 509-6 - Pulmonary artery embolisation in the management of hemoptysis related to lung tumours (8 min)
Amandine Claudinot; Caen / France

RPS 509-7 - Retrospective analysis of the outcome of angiographic embolisation of peptic ulcers (8 min)
Charlotte Vanhoenacker; Kessel-Lo / Belgium

RPS 509-8 - Pseudoaneurysm development: incidence and predisposing factors in a high-volume cardiovascular centre (8 min)
Hungor Sandor Sarkadi; Budapest / Hungary
CUBE 5 - Peripheral emergencies

**Categories:** Interventional Radiology  
**Date:** July 13, 2022 | 15:30 - 16:00 CEST  
**CME Credits:** 0.5

- Peripheral emergencies (30 min)  
Adrián Picado Bermúdez; Valencia / Spain
RC 607 - Pros and Cons: Contrast-medium administration for prostate MRI can be abandoned

Categories: Contrast Media, Genitourinary, Oncologic Imaging, Physics in Medical Imaging, Professional Issues
ETC Level: LEVEL II
Date: July 13, 2022 | 16:30 - 17:30 CEST
CME Credits: 1

Moderator:
Geert M. Villeirs; Gent / Belgium

RC 607-1 - Chairperson's introduction (5 min)
Geert M. Villeirs; Ghent / Belgium

RC 607-2 - PRO (15 min)
Patrick Asbach; Berlin / Germany

RC 607-3 - CON (15 min)
Jelle O. Barentsz; Nijmegen / Netherlands

RC 607-4 - Panel discussion: Will biparametric MRI replace multiparametric MRI in the near future? (25 min)
RPS 605a - Artificial intelligence (AI) in oncology

Categories: Artificial Intelligence & Machine Learning, Imaging Informatics, Oncologic Imaging
Date: July 13, 2022 | 16:30 - 17:30 CEST
CME Credits: 1

Moderator:
Melvin D'Anastasi; Mosta / Malta

RPS 605a-2 - CT radiomics for malignancy prediction of renal cysts (8 min)
Zohaib Salahuddin; Maastricht / Netherlands

RPS 605a-3 - Prospective post-marketing surveillance of AI for breast cancer screening in clinical practice (8 min)
Danalyn Byng; Berlin / Germany

RPS 605a-4 - A practical deep learning model in differentiating pneumonia-type lung carcinoma from pneumonia on CT Images: ResNet added with attention mechanism (8 min)
Xiaojie Luo; Beijing / China

RPS 605a-5 - Artificial intelligence may lead to unexpected changes in the balance of benefits and harms in lung cancer screening (8 min)
Victor Gombolevskiy; Moscow / Russia

RPS 605a-6 - Transferability and added benefit between three different diffusion sequences in prostate MRI deep learning for detection of significant prostate cancer (8 min)
Nils Netzer; Heidelberg / Germany

RPS 605a-7 - Minimally interactive AI-based segmentation of lymph nodes and soft tissue lesions in follow-up CT (8 min)
Alessa Hering; Lübeck / Germany

RPS 605a-8 - Liver lesions follow-up changes analysis in CECT by deep learning classification: a phantom study (8 min)
Jacob Sosna; Jerusalem / Israel
RPS 610 - Advances in imaging upper extremity

**Categories:** EuroSafe Imaging/Radiation Protection, Imaging Methods, Musculoskeletal

**Date:** July 13, 2022 | 16:30 - 17:30 CEST

**CME Credits:** 1

**Moderator:**
Ilze Engele; Riga / Latvia

**RPS 610-2 - Our experience of cone-beam CT in the management of acute radiocarpal injury** (8 min)
Mealla Barry; Dublin / Ireland

**RPS 610-3 - Patient-specific homogenous spectral fat suppression for distal extremity MRI** (8 min)
Iman Khodarahmi; New York / United States

**RPS 610-4 - Assessment of visibility of bone structures in the wrist using photon counting computed tomography** (8 min)
Erik Tesselaar; Linkoping / Sweden

**RPS 610-5 - Genetic variants for hereditary haemochromatosis and risk of musculoskeletal outcomes in UK biobank** (8 min)
Lucy Banfield; Penryn / UK

**RPS 610-6 - Metal artifact reduction in computed tomography: tin filter and dual-energy technique compared to standard protocols in a cadaver study** (8 min)
Carsten Hackenbroch; Blaustein / Germany

**RPS 610-7 - Comparison of three different positions for bilateral hands non-contrast MR angiography and perfusion** (8 min)
Asako Yamamoto; Tokyo / Japan

**RPS 610-8 - Looking beyond the plexus: relevance of extra-plexal findings in patients with traumatic brachial plexopathy** (8 min)
Vaishali Upadhyaya; Lucknow / India
RPS 609 - Chemoembolisation and radioembolisation of the liver: new developments

Categories: Interventional Oncologic Radiology, Interventional Radiology, Multidisciplinary, Oncologic Imaging, Research
Date: July 13, 2022 | 16:30 - 17:30 CEST
CME Credits: 1

Moderator:
Inger E Keussen; Stockholm / Sweden

RPS 609-2 - Does the use of angio-CT vs cone-beam CT influence the radiation exposure during transarterial chemoembolisation for liver cancer? (8 min)
Marie Nowak; Lausanne / Switzerland

RPS 609-3 - Hepatic changes following selective internal radiation therapy for liver metastases: a quantitative volumetric assessment at the segment level (8 min)
Karine Oung; Lausanne / Switzerland

RPS 609-4 - Transradial versus transfemoral access for transarterial chemoembolisation in patients with hepatocellular carcinoma: a randomised trial (8 min)
Yingen Luo; Beijing / China

RPS 609-5 - A review of MRI appearances of lipiodol in conventional TACE (cTACE) treated hepatocellular carcinomas (8 min)
Maria Rauf; Islamabad / Pakistan

RPS 609-6 - Comparison between C-arm cone beam computed tomography and interventional angiography in transarterial chemo-embo-lisation of hepatocellular carcinoma (8 min)
Ibrahim Diab; Shebin Elkom / Egypt

RPS 609-7 - Radiochemical feasibility of mixing of Y90 and iohexol contrast for radioembolisation therapy (8 min)
Huang Liang; London / UK

RPS 609-8 - Efficacy and safety of transarterial chemoembolisation with DC Beads LUMI in the treatment of HCC: experience from a tertiary centre (8 min)
Carolina Lanza; Milano / Italy
PP 6 - Syndromes and joint injuries: cardiac, vascular, chest and musculoskeletal imaging

Categories: Cardiac, Musculoskeletal, Physics in Medical Imaging, Vascular
Date: July 13, 2022 | 16:30 - 17:30 CEST
CME Credits: 1

Moderator:
Stephen Harden; Southampton / United Kingdom

PP 6-2 - Monitoring Marfan syndrome and related disorders: accuracy of echocardiography and computed tomography in initial assessment and two-year follow-up (8 min)
Seyd Shnayien; Berlin / Germany

PP 6-3 - Infective endocarditis: a challenging multimodality imaging diagnosis (8 min)
Desireé Batista; Rio de Janeiro / Brazil

PP 6-4 - Mind the heart: ECG-gated cardiac CT in the acute phase of ischaemic stroke (8 min)
Adrienne Van Randen; Amsterdam / Netherlands

PP 6-5 - Anomalous pulmonary venous returns made easy (8 min)
Desireé Batista; Rio de Janeiro / Brazil

PP 6-6 - Acute aortic syndrome (8 min)
Ramon Barquet Mur; Barcelona / Spain

PP 6-7 - Missed fractures in AE two-point audit (8 min)
Mohamed Awad Alkareem; Manchester / UK

PP 6-8 - Multimodality imaging of midtarsal joint injuries. A biomechanic-oriented didactic approach. (8 min)
Umberto Viglino; Genoa / Italy

PP 6-9 - The utility of Shear Wave elastography to differentiate physiological joint fluid from inflammatory synovitis of the hand: a preliminary study (8 min)
Salvatore Marsico; Barcelona / Spain
RC 612 - Learning from errors and discrepancies in paediatric radiology

**Categories:** Abdominal Viscera, GI Tract, Neuro, Oncologic Imaging, Paediatric Imaging

**ETC Level:** LEVEL I+II

**Date:** July 13, 2022 | 16:30 - 17:30 CEST

**CME Credits:** 1

**Moderator:**
Goran Roić; Zagreb / Croatia

**RC 612-1 - Chairperson’s introduction** (5 min)
Goran Roić; Zagreb / Croatia

**RC 612-2 - Pitfalls to avoid when imaging children with tumours** (15 min)
Kieran McHugh; London / UK

**RC 612-3 - Pitfalls to avoid when imaging the neonatal brain** (15 min)
Maria I. Argyropoulou; Ioannina / Greece

**RC 612-4 - Pitfalls to avoid in paediatric abdominal imaging** (15 min)
Stéphanie Franchi-Abella; Le Kremlin-Bicêtre / France

**RC 612-5 - Panel discussion: Should radiologists refuse to report investigations that are accompanied by blank request cards?** (10 min)
RPS 615 - Aortic imaging: morphology and beyond

Categories: Vascular
Date: July 13, 2022 | 16:30 - 17:30 CEST
CME Credits: 1

Moderator:
Hendrik Von Tengg-Kobligk; Bern / Switzerland

RPS 615-2 - Dose reduction in dual-energy CT-angiography in patients after endovascular aortic repair: does omitting non-contrast and arterial phase affect the diagnostic accuracy? (8 min)
Wojciech Kazimierczak; Bydgoszcz / Poland

RPS 615-3 - Clinical evaluation of non-contrast-enhanced magnetic resonance angiography in comparison to computed tomography angiography for evaluating endoleaks after abdominal endovascular aneurysm repair (8 min)
Karim Mostafa; Kiel / Germany

RPS 615-4 - Sex-specific hemodynamic normal values of the aorta: a 4D MR flow study (8 min)
Mitch Ramaekers; Maastricht / Netherlands

RPS 615-5 - Hemodynamic phenotyping of thoracic aortic aneurysms (8 min)
Joe Juffermans; Leiden / Netherlands

RPS 615-6 - A tracking method for the reconstruction of the aorta wall from 4DMRI data (8 min)
Mocia Agbalessi; Quétigny / France

RPS 615-7 - Medical 3D-printing of aortic templates and its appropriateness for clinical use in the interventional treatment of thoraco-abdominal aortic diseases: one centre experience (8 min)
Maciej Wojtuń; Szczecin / Poland
RPS 614 - Radiography education updates and training considerations

Categories: Education, Professional Issues, Radiographers, Students
Date: July 13, 2022 | 16:30 - 17:30 CEST
CME Credits: 1

Moderators:
Carst Buissink; Groningen / Netherlands
Laura Oleaga Zuffria; Barcelona / Spain

RPS 614-3 - The impact of 3D virtual reality simulation upon radiation protection training for radiography and medical students (8 min)
Antonina Tcacenco; Ashbourne / Ireland

RPS 614-4 - An evaluation of the skills and competencies required by therapeutic radiographers from a patient’s perspective (8 min)
Sonyia McFadden; Belfast / UK

RPS 614-5 - Development of a framework for radiographer online clinical education (FORCE) (8 min)
Kate Matthews; Dublin / Ireland

RPS 614-6 - EURAMED rocc-n-roll (EuRnR) project findings: radiation protection education and training across Europe (8 min)
Louise A. Rainford; Dublin / Ireland

RPS 614-7 - Advanced practice roles amongst therapeutic radiographers: a European survey (8 min)
Celeste Oliveira; Porto / Portugal

RPS 614-8 - A method to categorise an image bank before use in image interpretation research or education (8 min)
Kate Matthews; Dublin / Ireland
RPS 603 - Advances in cardiac MR infarct imaging

Categories: Cardiac, Evidence-Based Imaging, Imaging Methods
Date: July 13, 2022 | 16:30 - 17:30 CEST
CME Credits: 1

Moderator:
Iacopo Carbone; Roma / Italy

RPS 603-2 - Association between cine CMR-based radiomics signature and microvascular obstruction in patients with ST-segment elevation myocardial infarction (8 min)
Yongjia Peng; Shenzhen / China

RPS 603-3 - Cine MR-based radiomics to predict myocardial segments with infarction (8 min)
Jingshan Gong; Shenzhen / China

RPS 603-4 - Assessment of the area-at-risk and infarcted-area by T1 mapping sequences in patients with acute myocardial infarction (8 min)
Giacomo Pambianchi; Roma / Italy

RPS 603-5 - Evolution of myocardial tissue injury over a decade after ST-elevation myocardial infarction: a CMR study (8 min)
Agnes Mayr; Innsbruck / Austria

RPS 603-6 - Accordance of infarct localisation between 12-lead electrocardiography and cardiac magnetic resonance imaging in ST-elevation acute myocardial infarction (8 min)
Jin-Ho Choi; Seoul / Korea, Republic of

RPS 603-7 - Simplified image acquisition and detection of ischemic and non-ischemic myocardial fibrosis with fixed short inversion time magnetic resonance late gadolinium enhancement (8 min)
Malgorzata Polacin; Zürich / Switzerland

RPS 603-8 - Myocardial scar detection in free-breathing Dixon-based fat- and water-separated 3D inversion recovery late-gadolinium enhancement whole heart MRI (8 min)
Alan Peters; Bern / Switzerland
RPS 602 - Learning from mistakes: breast imaging in the pandemic

Categories: Audit, Breast, Research
Date: July 13, 2022 | 16:30 - 17:30 CEST
CME Credits: 1

Moderator:
Fleur Kilburn-Toppin; Cambridge / United Kingdom

RPS 602-2 - Timeline for resolution of incidentally detected sonographic lymphadenopathy reactive to mRNA COVID-19 vaccination (8 min)
Yael Adler-Levy; Jerusalem / Israel

RPS 602-3 - Delays in breast care due to the COVID-19 pandemic (8 min)
Kathleen Capaccione; New York / United States

RPS 602-4 - Prevalence and time regression hypothesis of axillary lymphadenopathy (AL) in women undergoing a breast imaging examination at different time intervals after COVID-19 vaccination (8 min)
Carola Catanese; Voghera / Italy

RPS 602-5 - Impact of the COVID-19 lockdown in France on the diagnosis and staging of breast cancers in a tertiary cancer centre (8 min)
Pierre-Antoine Linck; Bordeaux / France

RPS 602-6 - "Which research project should I go for?" A strategic management tool for selecting your optimal research project (8 min)
Matthias Dietzel; Erlangen / Germany

RPS 602-7 - Axillary lymph node response after anti-COVID-19 vaccination: mRNA vs viral vector vaccines (8 min)
Ignacio Soriano Aguadero; Pamplona / Spain

RPS 602-8 - A novel score to guide diagnostic and therapeutic path in breast cancer used during COVID-19 emergency: a valuable model applicable in the future (8 min)
Anna Abate; Lesmo / Italy
RPS 612 - Paediatric MSK imaging: rethinking the skeletal survey - repurposing MRI

**Categories:** Forensic Imaging, Musculoskeletal, Paediatric Imaging

**Date:** July 13, 2022 | 16:30 - 17:30 CEST

**CME Credits:** 1

**Moderator:**
Shabnam Bhandari Grover; Greater Noida, NCR-Delhi / India

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RPS 612-2 - Later radiographs of joints in suspected physical abuse: do they add to the diagnosis? (8 min)

Riwa Meshaka; London / UK

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RPS 612-3 - Whole body postmortem computed tomography versus the skeletal survey: can computed tomography replace the skeletal survey? (8 min)

Rick R. Van Rijn; Amsterdam / Netherlands

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RPS 612-4 - MRI of the proximal tibia epiphysis for the estimation of majority: validation study from Thuringia (8 min)

Hans-Joachim Mentzel; Jena / Germany

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RPS 612-5 - Prevalence of cam deformities and osteoarthritis at longterm radiographic followup of patients with slipped capital femoral epiphysis (8 min)

Till Lerch; Bern / Switzerland

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RPS 612-6 - The clinical, biochemical and radiological features of kingella kingae osteoarticular infection in a metropolitan paediatric community (8 min)

Nicholas Watson; Little Mountain / Australia

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RPS 612-7 - Hyperostosis in chronic recurrent multifocal osteomyelitis whole body MRI: a longitudinal case review (8 min)

Sedat Kandemirli; Iowa City / United States

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RPS 612-8 - Value of magnetic resonance imaging for skeletal bone age assessment in healthy male adolescent soccer players (8 min)

Lajos Basten; Köln / Germany
RPS 608 - Parotid gland imaging

**Categories:** Artificial Intelligence & Machine Learning, Head and Neck, Imaging Methods, Oncologic Imaging, Ultrasound

**Date:** July 13, 2022 | 16:30 - 17:30 CEST

**CME Credits:** 1

**Moderator:**
Elizabeth Loney; Bradford / United Kingdom

**RPS 608-2 - T2WI maximum tumour level histogram for differentiating parotid pleomorphic adenoma and malignant tumour** (8 min)
Mengzhe Zhang; Zhengzhou / China

**RPS 608-3 - Automated machine learning based on intratumoural and peritumoural radiomics features may identify capsular status of parotid pleomorphic adenoma** (8 min)
Shuang Li; Chengdu / China

**RPS 608-4 - Ultrasound assessment of focal lesions within the major salivary glands in Sjögren syndrome patients with increased lymphoproliferative risk: what is the sensitivity and specificity for lymphoma?** (8 min)
Michele Lorenzon; Udine / Italy

**RPS 608-5 - Maximum signal intensity ratio on T1-weighted magnetic resonance images for the differential diagnosis of benign and malignant parotid tumours: a control study in two medical centres** (8 min)
Zhongxiang Ding; Hangzhou / China

**RPS 608-6 - The role of multiparametric ultrasound and FNAC in the preoperative evaluation of parotid gland tumours: a single-centre prospective study** (8 min)
Olga Guiban; Roma / Italy

**RPS 608-7 - The role of conventional, diffusion-weighted and dynamic contrast-enhanced MR imaging in the evaluation of parotid tumours and its value in predicting histopathological type** (8 min)
Nick Janssen; Schoten / Belgium
RC 611 - Around the brain lesions in neuroimaging

**Categories:** Emergency Imaging, General Radiology, Head and Neck, Neuro, Vascular

**ETC Level:** LEVEL I

**Date:** July 13, 2022 | 16:30 - 17:30 CEST

**CME Credits:** 1

**Moderator:**
Pedro Vilela; Almada / Portugal

**RC 611-1 - Chairperson’s introduction** (5 min)
Pedro Vilela; Almada / Portugal

**RC 611-2 - Incidental and the most common lesions of the orbit** (15 min)
Dennis Hedderich; Munich / Germany

**RC 611-3 - Incidental and the most common lesions of temporal bone** (15 min)
Alexandra Borges; Lisbon / Portugal

**RC 611-4 - Incidental aneurysm: when and how to follow-up** (15 min)
Pedro Vilela; Almada / Portugal

**RC 611-5 - Panel discussion: Extracranial lesions we must not miss in a brain exam** (10 min)
RC 617 - Pros and Cons: Artificial intelligence in the emergency department is helpful

**Categories:** Artificial Intelligence & Machine Learning, Emergency Imaging, Imaging Informatics, Professional Issues

**ETC Level:** LEVEL III

**Date:** July 13, 2022 | 16:30 - 17:30 CEST

**CME Credits:** 1

**Moderator:**
Emanuele Neri; Pisa / Italy

RC 617-1 - *Chairperson's introduction* (5 min)
Emanuele Neri; Pisa / Italy

RC 617-2 - *PRO* (15 min)
Anjali Agrawal; Delhi / India

RC 617-3 - *CON* (15 min)
Elizabeth Dick; London / UK

RC 617-4 - *Panel discussion: What will the impact of artificial intelligence in emergency radiology be in the near future and how can artificial intelligence improve patient triage?* (25 min)
RC 601 - Abdominal MRI: faster and better with DWI-MRI

Categories: Abdominal Viscera, GI Tract, Imaging Methods, Oncologic Imaging, Research
ETC Level: LEVEL II+III
Date: July 13, 2022 | 16:30 - 17:30 CEST
CME Credits: 1

Moderator:
Dow-Mu Koh; London / United Kingdom

RC 601-1 - Chairperson's introduction (5 min)
Dow-Mu Koh; Sutton / UK

RC 601-2 - Faster MRI sequences: the need for abbreviated protocols and how to do it (15 min)
Bachir Taouli; New York, NY / United States

RC 601-3 - Diffusion weighted MRI in abdominal disease: clinical practice (15 min)
Doenja M. Lambregts; Amsterdam / Netherlands

RC 601-4 - Whole-body MRI protocol in oncology patients: this is how to do it (15 min)
Vincent Vandecaveye; Leuven / Belgium

RC 601-5 - Panel discussion: Is faster better, or good the enemy of great? (10 min)
TC 6 - Screening, early detection, organisational issues, and differences between countries

**Categories:** Breast, Professional Issues

**ETC Level:** LEVEL III

**Date:** July 13, 2022 | 16:30 - 17:30 CEST

**CME Credits:** 1

**Moderators:**
Ruud M Pijnappel; Utrecht / Netherlands
Elizabeth Morris; Sacramento / United States

**TC 6-3 - A. Screening in Europe** (20 min)
Fiona J. Gilbert; Cambridge / UK

**TC 6-4 - B. Screening in the US and how risk strategies for screening differ between the US and Europe** (20 min)
Debra Monticciolo; Temple, TX / United States

**TC 6-5 - C. Digital breast tomosynthesis and AI in screening** (20 min)
Emily Conant; Philadelphia, PA / United States
OF 6Y - Career paths: open your eyes, radiology outside the clinics

Categories: Education, Management/Leadership, Professional Issues, Students
ECT Level: ALL LEVELS
Date: July 13, 2022 | 16:30 - 17:30 CEST
CME Credits: 1

Moderators:
Saif Afat; Tübingen / Germany
Martin Reim; Tartu / Estonia

OF 6Y-1 - Chairpersons’ introduction (5 min)
Saif Afat; Tübingen / Germany
Martin Reim; Tartu / Estonia

OF 6Y-2 - Are we lost to private equity? (10 min)
Mike Notohamiprodjo; Tübingen / Germany

OF 6Y-3 - Co-founding a global web (collaboration) platform and clinic (10 min)
Lennart K. Blomqvist; Stockholm / Sweden

OF 6Y-4 - Artificial intelligence (AI) start-up and clinic (10 min)
Tobias Lindig; Tübingen / Germany

OF 6Y-5 - Discussion (25 min)
McKinsey - Real-world evidence (RWE) in life sciences: a roundtable discussion on the role of imaging

**Categories:** Imaging Informatics, Management/Leadership, Oncologic Imaging

**ETC Level:** ALL LEVELS

**Date:** July 13, 2022 | 16:30 - 17:30 CEST

**Moderator:**
Anna Karmann; Redwood City / United States

**McKinsey-2 - An outside-in perspective** (10 min)
Anna Karmann; San Francisco, CA / United States

**McKinsey-3 - The next frontier in drug development** (10 min)
Bart Vannieuwenhuyse; Beerse / Belgium

**McKinsey-4 - t.b.a.** (10 min)
Michel Wouters; Amsterdam / Netherlands

**McKinsey-5 - Roundtable and podium discussion on the role of imaging and radiologists for RWE** (30 min)
Anna Karmann; San Francisco, CA / United States
Bart Vannieuwenhuyse; Beerse / Belgium
Michel Wouters; Amsterdam / Netherlands
Lancet - The Lancet Commission on diagnostics

Categories: Management/Leadership, Professional Issues
ETC Level: LEVEL I
Date: July 13, 2022 | 16:30 - 17:30 CEST
CME Credits: 1

Moderators:
Luís Donoso Bach; Barcelona / Spain
Kenneth Anthony Fleming; Oxford / United Kingdom

Lancet-1 - Chairpersons' introduction (5 min)
Luís Donoso; Barcelona / Spain
Kenneth Fleming; Oxford / UK

Lancet-2 - The Lancet Commissions (8 min)
Sabine Kleinert; London / UK

Lancet-3 - The challenges of access and the impact on health, economy, and equity across countries (8 min)
Susan Horton; Waterloo, ON / Canada

Lancet-4 - Key needs: opportunities for using new technology (8 min)
Michael Wilson; Denver, CO / United States

Lancet-5 - The radiologist's point of view (8 min)
Kristen DeStigter; Burlington, VT / United States

Lancet-6 - The Lancet Commission's recommendations for an international community (8 min)
Kenneth Fleming; Oxford / UK

Lancet-7 - Panel discussion: Are we really advancing equitable access to diagnostics? (15 min)
RPS 605b - Artificial intelligence for improvement of patient's care and radiologist's workflow

Categories: Artificial Intelligence & Machine Learning, Imaging Informatics, Management/Leadership, Professional Issues
Date: July 13, 2022 | 16:30 - 17:30 CEST
CME Credits: 1

Moderator:
Erik R. Ranschaert; Turnhout / Belgium

RPS 605b-2 - Quantifying operator and hardware variability in diagnostic ultrasound using principle component analysis and k-means clustering (8 min)
Calvin Zhu; Unionville / Canada

RPS 605b-3 - Detection of unreported clinically significant ascending aortic dilation by combination of computer vision (CV) algorithm and report processing (8 min)
Dana Stav; Tel Aviv-Yafo / Israel

RPS 605b-4 - Amplifying the contrast of MR images using a DL method trained on synthetic images (8 min)
Sonia Colombo Serra; Colleretto Giacosa / Italy

RPS 605b-5 - Designing for appropriate trust in artificial intelligence: making machine learning usable for radiologists (8 min)
Rosa Verhoeven; Amersfoort / Netherlands

RPS 605b-6 - Natural language processing for automatic evaluation of free text answers: a pilot study based on the EDIR examination (8 min)
Fabian Stöhr; Mainz / Germany

RPS 605b-7 - Additional dose reduction potential of vendor-agnostic deep learning models combined with conventional iterative reconstruction methods: a phantom study (8 min)
Jisu Kim; Seongnam-si / Korea, Republic of

RPS 605b-8 - NAVIGATOR: an imaging biobank to precisely prevent and predict cancer, and facilitate the participation of oncologic patients to diagnosis and treatment (8 min)
Lorenzo Tumminello; Pisa / Italy
- Opening Ceremony - Shine

Date: July 13, 2022 | 17:45 - 19:00 CEST

Moderator:
Regina G. H. Beets-Tan; Amsterdam / Netherlands
- Highlights from the Mobile Film Crew Day 2

**Date:** July 14, 2022 | 02:15 - 02:30 CEST

**Moderator:**

Ben Giese
RC 704 - Kidney, skin, gastro-intestinal tract, and the lung

Categories: Abdominal Viscera, Chest, Genitourinary, GI Tract, Imaging Methods
ETC Level: LEVEL II+III
Date: July 14, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Lukas Ebner; Berne / Switzerland

RC 704-1 - Chairperson's introduction (5 min)
Lukas Ebner; Berne / Switzerland

RC 704-2 - Pulmonary-renal syndromes (15 min)
Cornelia M. Schaefer-Prokop; Amersfoort / Netherlands

RC 704-3 - Thoracic manifestations of systemic disorders affecting the skin (15 min)
Lukas Ebner; Berne / Switzerland

RC 704-4 - GI, liver, pancreas, and the lung (15 min)
Thomas Frauenfelder; Zurich / Switzerland

RC 704-5 - Panel discussion: Pulmonary manifestations of complex systemic syndromes (10 min)
RPS 717 - Advances, appropriateness and training in emergency radiology

Categories: Artificial Intelligence & Machine Learning, Emergency Imaging, General Radiology, Imaging Informatics, Neuro
Date: July 14, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Katarzyna Katulska; Poznań / Poland

RPS 717-2 - Deep-learning based reconstruction for multiphase CT angiography: a rapid method for diagnosis and prognosis of acute ischaemic stroke (8 min)
Yu Lin; Xiamen / China

RPS 717-3 - Diagnostic accuracy and analysis of an artificial intelligence algorithm for the detection of intracranial haemorrhage (8 min)
Jonas Kiefer; Erlangen / Germany

RPS 717-4 - Daily prediction of polytrauma-CTs using weather data (8 min)
Martin Segeroth; Basel / Switzerland

RPS 717-5 - Current abdominal x-rays practice in accident and emergency: an audit (8 min)
Winnie Tam; Leeds / UK

RPS 717-6 - Diagnostic accuracy of a fast MRI T2-sequence for the diagnosis of internal herniation after Roux-and-Y gastric bypass during pregnancy: a retrospective single centre study (8 min)
Brecht Van Berkel; Leuven / Belgium

RPS 717-7 - Pulmonary embolism in patients with COVID-19 on CT: relationship with the extent of pulmonary parenchymal disease (8 min)
Maria Luisa Urbano; Lisboa / Portugal

RPS 717-8 - Evaluation of a fully interactive radiology workshop using an online DICOM viewer (8 min)
Georgina Bailey; Surrey / UK
RPS 716 - Advanced imaging in lung oncology

Categories: Chest, Hybrid Imaging, Imaging Methods, Oncologic Imaging, Translational Imaging
Date: July 14, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Martine Rémy-Jardin; Lille / France

RPS 716-2 - Dynamic changes of CT-radiomic and systemic immune-inflammatory features predict the response to immune checkpoint inhibitors in advanced NSCLC patients (8 min)
Gianluca Milanese; Parma / Italy

RPS 716-3 - Evaluation of differential response in patients with metastatic lung cancer treated with immune checkpoint inhibitors: a pilot study (8 min)
Andreu Antolín Redondo; Barcelona / Spain

RPS 716-4 - Comparison of performance by whole-body MRI, PET/MRI and PET/CT and conventional staging methods for TNM and VALSG staging of small cell carcinoma patients (8 min)
Yoshiharu Ohno; Toyoake / Japan

RPS 716-5 - First experience of SPECT-CT with the radiopharmaceutical Thallium-199 chloride in diagnosis and assessment of the metastatic spread of lung cancer (8 min)
Wladimir Yurievich Ussov; Tomsk / Russia

RPS 716-6 - To differentiate pulmonary sclerosing pneumocytoma from atypical lung cancer based-on contrast-enhanced CT: a radiomic analysis (8 min)
Lei Wang; Nanchang / China

RPS 716-7 - Differentiation of benign lung nodules and lung metastases: a radiomics approach in a large cancer patient cohort (8 min)
Simon Lennartz; Köln / Germany

RPS 716-8 - Targeted therapy of non-small cell lung cancer and liver cancer: functional nanocarriers for the delivery of cisplatin and tissue factor pathway inhibitor-2 (8 min)
Ma Zhong; Lanzhou / China
RPS 705 - Artificial intelligence performance evaluation and new AI methods

**Categories:** Imaging Informatics  
**Date:** July 14, 2022 | 08:00 - 09:00 CEST  
**CME Credits:** 1

**Moderator:**  
Jacob Johannes Visser; Rotterdam / Netherlands

RPS 705-2 - The evolution of uncertainty “hedging” expressions following the introduction of structured reporting (8 min)  
Tobias Heye; Basel / Switzerland

RPS 705-3 - Diagnostic imaging availability for non-COVID population during COVID-19 pandemic (8 min)  
Valentina Opancina; Kragujevac / Serbia

RPS 705-4 - Radiology through immersive virtual reality: diagnostic accuracy for 3D CT renderings of basilar skull fractures (8 min)  
José Rodríguez Domínguez; Monterrey / Mexico

RPS 705-5 - Novel tool for asynchronous communication between radiologist and radiologic technologist: a viable replacement of interruptive phone calls? (8 min)  
K.F.M. Hergaarden; Leiden / Netherlands

RPS 705-6 - The role of teleradiology during COVID-19 outbreak: Saudi perspectives (8 min)  
Shrooq Al Dahery; Jeddah / Saudi Arabia

RPS 705-7 - Evaluation of image performance in deep learning reconstruction (increase in spatial resolution and image contrast) (8 min)  
Katsumi Tsujioka; Toyota-City Aichi / Japan

RPS 705-8 - Deep learning based co-registration QC of MRI (8 min)  
Yiheng Li; Santa Clara / United States
RPS 712 - Imaging children from head to toe

Categories: Head and Neck, Musculoskeletal, Neuro, Paediatric Imaging
Date: July 14, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Maria Argyropoulou; Ioannina / Greece

RPS 712-2 - Imaging cytoarchitectural changes within focal cortical dysplasia using diffusion tensor imaging (8 min)
Antonio Giulio Gennari; Zurich / Italy

RPS 712-3 - Diagnostic value of MRI in herpetic encephalitis in children (8 min)
Vladislav Voitenkov; Saint-Petersburg / Russia

RPS 712-4 - Mild central canal dilatation after spinal concussion in children: a new finding in SCIWORA spectrum (8 min)
Carmen Bodlak; Valencia / Spain

RPS 712-5 - Sonographic image of major salivary glands in children with juvenile Sjögren’s syndrome: beyond “black spots” (8 min)
Dominik Świętoń; Gdańsk / Poland

RPS 712-6 - An update on imaging of musculoskeletal paediatric infections (8 min)
Vitor Paula; São Paulo / Brazil

RPS 712-7 - Role of MRI in differentiating osteomyelitis from osteonecrosis in children with sickle cell disease: a cross-sectional study from a tertiary care hospital in Riyadh, Saudi Arabia (8 min)
Latifah Alfaahad; Riyadh / Saudi Arabia

RPS 712-8 - Imaging signs for granuloma annulare by epifascial mound sign, and subdermal inverse mound sign: first descriptions (8 min)
Besiana Beqo; Graz / Austria
RPS 702 - New technologies in breast imaging

**Categories:** Breast, Contrast Media, Imaging Methods, Ultrasound  
**Date:** July 14, 2022 | 08:00 - 09:00 CEST  
**CME Credits:** 1

**Moderator:**  
Matthias Dietzel; Erlangen / Germany

**RPS 702-2 - A 5G-based telerobotic ultrasound system for breast examination**  
(8 min)  
Tian He; Shanghai / China

**RPS 702-3 - Towards a disruptive innovation in breast imaging? Initial experience with a next-generation low-field MRI scanner**  
(8 min)  
Matthias Dietzel; Erlangen / Germany

**RPS 702-4 - Quantification of contrast enhancement of breast cancer in direct converting, photon-counting spiral breast CT: immunohistochemical subtypes and grading**  
(8 min)  
Sabine Ohlmeyer; Erlangen / Germany

**RPS 702-5 - MR spectroscopic fingerprinting of lipids in breast cancer: a pilot study**  
(8 min)  
Noam Nissan; Ramat Gan / Israel

**RPS 702-6 - SOLUS - smart optical and ultrasound diagnostics of breast cancer: US / DOT hybrid system for the characterisation of breast lesions**  
(8 min)  
Elena Venturini; Pioltello / Italy

**RPS 702-7 - Preliminary evaluation of an optical mammography system for monitoring response to neoadjuvant chemotherapy in breast cancer patients**  
(8 min)  
Carolina Santangelo; Milano / Italy

**RPS 702-8 - Correlation of quantitative CT-data derived from multiparametric dual-layer spectral CT-maps with molecular biomarkers in patients with invasive breast carcinomas**  
(8 min)  
Kathrin Krug; Cologne / Germany
RPS 704 - The use of contrast for pulmonary vascular disorders

**Categories:** Chest, Contrast Media, EuroSafe Imaging/Radiation Protection, Hybrid Imaging, Imaging Methods  
**Date:** July 14, 2022 | 08:00 - 09:00 CEST  
**CME Credits:** 1  
**Moderator:**  
Helmut Prosch; Vienna / Austria

RPS 704-2 - The difference in pulmonary veins enhancement as a sign of pulmonary embolism on contrast-enhanced CT  
(Dalal Sibira; Doha / Qatar)

RPS 704-3 - Contrast medium administration for chest CT: a European protocol survey  
(Mette Karen Henning; Oslo / Norway)

RPS 704-4 - Possibilities of quantitative assessment of regional pulmonary perfusion using three-dimensional ultrafast dynamic contrast-enhanced magnetic resonance imaging: preliminary experience in 10 subjects  
(Anna Zakharova; Saint Petersburg / Russia)

RPS 704-5 - Evaluation of iodine density maps combined with effective atomic number maps based on dual-layer spectral detector CT in the diagnosis of acute pulmonary embolism  
(Fuchun Xie; Shenyang / China)

RPS 704-6 - Comparability of methods for assessing coronary risks by chest ultra-low dose computed tomography (ultra-LDCT) from lung cancer screening (LCS) and coronary computed tomography angiography (CCTA)  
(Alexander Nikolaev; Moscow / Russia)

RPS 704-7 - Impact of contrast-enhancement and virtual monoenergetic image energy levels on emphysema quantification: experience with photon-counting detector CT  
(Lisa Jungblut; Zürich / Switzerland)
EDiR - The most challenging EDiR cases and a guide to succeed

Categories: Education, Professional Issues, Students
ETC Level: LEVEL II
Date: July 14, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Laura Oleaga Zufiría; Barcelona / Spain

EDiR-1 - Chairperson's introduction (5 min)
Laura Oleaga Zufiría; Barcelona / Spain

EDiR-2 - EDiR innovative tools (10 min)
Laura Oleaga Zufiría; Barcelona / Spain
Lucian Beer; Vienna / Austria

EDiR-3 - EDiR teaser and discussion (30 min)
Laura Oleaga Zufiría; Barcelona / Spain

EDiR-4 - Questions and answers (15 min)
RPS 711 - Spine imaging and intervention

Categories: Interventional Radiology, Neuro
Date: July 14, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Daniela Prayer; Vienna / Austria

RPS 711-2 - Comparison of radiation exposure of AIRO intraoperative CT with C-arm fluoroscopy during posterior lumbar interbody fusion (8 min)
Brecht Van Berkel; Leuven / Belgium

RPS 711-3 - Prognostic utility of anterior atlantodens interval widening on cervical spine CT for transverse atlantal ligament integrity (8 min)
Peter Fiester; Jacksonville / United States

RPS 711-4 - Comprehensive evaluation of spinal structure changes contributing to foraminal stenosis: a weight-bearing MRI study (8 min)
Leonardo Pertici; Empoli / Italy

RPS 711-5 - Craniocervical prevertebral effusion in the acute trauma setting: a common sign for anterior atlanto-occipital membrane complex injury (8 min)
Peter Fiester; Jacksonville / United States

RPS 711-6 - Strong contrast stagnation of unilateral vertebral artery on black blood enhanced MR imaging predicts acute medulla infarction (8 min)
Seong Min Cho; Jeonju / Korea, Republic of

RPS 711-7 - Interrelationship between craniocervical disassociation spectrum injuries and atlantoaxial instability on trauma cervical MRI exams (8 min)
Peter Fiester; Jacksonville / United States

RPS 711-8 - Can machine learning predict gender and age by evaluation of the subject's lumbar vertebrae? (8 min)
Riccardo Levi; Pieve Emanuele / Italy
RPS 703 - Cross-sectional imaging in congenital heart disease

Categories: Cardiac, Imaging Methods, Paediatric Imaging, Vascular

Date: July 14, 2022 | 08:00 - 09:00 CEST

CME Credits: 1

Moderator:
Maciej Krupinski; Kraków / Poland

RPS 703-2 - Accuracy of fully automated ventricular morpho-functional assessment in patients with tetralogy of fallot
(8 min)
Davide Capra; Milano / Italy

RPS 703-3 - Four-dimensional phase contrast MRI with accelerated dual velocity encoding in patients with complex congenital heart disease
(8 min)
Laurette Kalifa; PARIS / France

RPS 703-4 - Multimodal approach in diagnostics of complex anatomical variants of atrioventricular septal defect
(8 min)
Yevhen Tsasiuk; Киев / Ukraine

RPS 703-5 - Free-breathing high resolution modified Dixon steady-state angiography with compressed sensing for the assessment of the thoracic vasculature in pediatric patients with congenital heart disease
(8 min)
Narine Mesropyan; Bonn / Germany

RPS 703-6 - Left and right ventricular morphology and function in children with LVNC cardiomyopathy: a case-control CMR study
(8 min)
Jędrzej Sarnecki; Warsaw / Poland
RPS 707 - Prostate cancer: will we ever be replaced by machines and urologists?

Categories: Artificial Intelligence & Machine Learning, Genitourinary, Interventional Oncologic Radiology, Multidisciplinary, Oncologic Imaging

Date: July 14, 2022 | 08:00 - 09:00 CEST

CME Credits: 1

Moderator:
Jurgen J. Futterer; Nijmegen / Netherlands

RPS 707-2 - The first 5 targeted trans-perineal prostate biopsies diagnose the majority of PROMIS criteria cancer in patients with a Likert 4 or 5 score on mpMRI (8 min)
William Stevens; Bradford / UK

RPS 707-3 - Is Likert scoring of mpMRI scans for suspected prostate cancer different from PI-RADSv2.1 scoring? 5 reporters compare overall scores, number of equivocal cases and predicted biopsy cancer yields (8 min)
William Stevens; Bradford / UK

RPS 707-4 - In-bore robot assisted MRI guided target biopsy of the prostate: our experience (8 min)
Rogier Van Stiphout; Roermond / Netherlands

RPS 707-5 - Machine learning-based multimodal data analysis for optimised treatment planning and surgical outcome prediction of prostate cancer patients (8 min)
Mahnoosh Naeimi; Mannheim / Germany

RPS 707-6 - Vulnerability of radiomics machine learning models for the detection of clinically significant prostate cancer in heterogeneous MRI datasets (8 min)
Balthasar Schachtner; Munich / Germany

RPS 707-7 - Convolutional neural networks for automated classification of prostate multiparametric magnetic resonance imaging based on image quality (8 min)
Emanuele Messina; Rome / Italy

RPS 707-8 - A deep learning masked segmentation alternative to manual segmentation in biparametric MRI prostate cancer radiomics (8 min)
Jeroen Bleker; Groningen / Netherlands
RPS 708 - Head and neck: miscellaneous

**Categories:** Head and Neck, Imaging Methods, Ultrasound

**Date:** July 14, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:** Elizabeth Loney; Bradford / United Kingdom

**RPS 708-2 - Clinical and radiological picture of ROCM in post-COVID-19 patients** (8 min)
Lolita Yunusova; Tashkent / Uzbekistan

**RPS 708-3 - Comparing mucormycosis severity in COVID-19 patients and COVID-19 free patients: an imaging-based diagnosis** (8 min)
Ali Motealleh; Shiraz / Iran

**RPS 708-4 - The incidence and imaging findings of intracranial extension of sino-nasal mucormycosis** (8 min)
Sepideh Sefidbakht; Shiraz / Iran

**RPS 708-5 - Heritability of anatomical markers related to obstructive sleep apnea on MRI scans in twins** (8 min)
Zsofia Jokkel; Budapest / Hungary

**RPS 708-6 - What the radiology should know about the radiological aspects of ocular ultrasound: from normal to pathological** (8 min)
Tressia Boussa; Casablanca / Morocco

**RPS 708-7 - The potential role of shear wave elastography in the assessment of nodular thyroid disease** (8 min)
Eszter Makai; Szeged / Hungary
E³ 25B - Pancreatic adenocarcinoma mimickers

**Categories:** Abdominal Viscera, GI Tract, Imaging Methods, Oncologic Imaging
**ETC Level:** ALL LEVELS
**Date:** July 14, 2022 | 08:00 - 09:00 CEST
**CME Credits:** 1

**Moderator:**
Riccardo Negrelli; Verona / Italy

E³ 25B-2 - Autoimmune pancreatitis (30 min)
Riccardo Negrelli; Verona / Italy

E³ 25B-3 - Paraduodenal pancreatitis (30 min)
Giovanni Morana; Treviso / Italy
OF 7R - The EFRS patient-centred care awards

Categories: Management/Leadership, Professional Issues, Radiographers
Date: July 14, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Andrew England; Keele / United Kingdom

OF 7R-2 - Shining a light on our patients: the EFRS perspective (5 min)
Andrew England; Cork / Ireland

OF 7R-3 - Shining a light on our patients: the patient perspective (5 min)
Cheryl Cruwys; Glanges / France

OF 7R-4 - EFRS patient-centred care award showcase: introduction (2 min)
Charlotte Beardmore; London / UK

OF 7R-5 - Runner-up: malignant spinal cord compression pathway (15 min)
Catriona Buchan; Wakefield / UK

OF 7R-6 - Winner: mobile x-ray for patients with dementia (15 min)
Pica Blackburn Andersen; Kolding / Denmark

OF 7R-7 - Open discussion (18 min)
ESR Audit - Clinical audit and setting standards in radiology: the European experience

**Categories:** Audit, EuroSafe Imaging/Radiation Protection, Interventional Radiology, Musculoskeletal, Professional Issues

**ETC Level:** ALL LEVELS

**Date:** July 14, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Roman Klöckner; Mainz / Germany

**ESR Audit-1 - Chairperson's introduction** (5 min)
Roman Klöckner; Mainz / Germany

**ESR Audit-2 - Uptake of EU-BSS (2013/59 Euratom) requirements in European radiology departments: results of a repeat ESR survey** (10 min)
Núria Bargalló; Barcelona / Spain

**ESR Audit-3 - The use of checklists and coagulation monitoring in interventional radiology: developing best practice guidance** (10 min)
Roman Klöckner; Mainz / Germany

**ESR Audit-4 - Teleradiology and home working: minimal standards and best practice** (10 min)
Mustafa N. Özmen; Ankara / Turkey

**ESR Audit-5 - Radiology reporting of osteoporotic vertebral fragility fractures (VFFs): results of a UK audit and re-audit** (15 min)
Abdelaziz Marzoug; Dundee / UK

**ESR Audit-6 - Panel discussion: European clinical audit and standards development: how are we doing and where can we improve?** (10 min)
EU 7 - Enhancing radiation protection of patients in CT practices in Africa: opportunities for synergies between Africa, the IAEA and ESR

**Categories:** EuroSafe Imaging/Radiation Protection  
**ETC Level:** LEVEL III  
**Date:** July 14, 2022 | 08:00 - 09:15 CEST  
**CME Credits:** 1

**Moderators:**  
Guy Frija; Paris / France  
Imen Bentouhami; Vienna / Austria

**EU 7-3 - Keynote address** (5 min)  
Shaukat Abdulrazak; Vienna / Austria

**EU 7-4 - The reality on the ground: an IAEA perspective** (5 min)  
May Abdel Wahab; Vienna / Austria

**EU 7-5 - IAEA efforts to promote radiation protection in Africa** (5 min)  
Miroslav Pinak; Vienna / Austria

**EU 7-6 - Overview of justification in CT practice in Mauritius** (6 min)  
Ambedhkar S. Naojee; Rose Belle / Mauritius

**EU 7-7 - Overview of justification in CT practice in Tunisia** (6 min)  
Chiraz Chammakhi; Tunis / Tunisia

**EU 7-8 - Overview of justification in CT practice in Sudan** (6 min)  
Omyma Ibrahim; Khartoum / Sudan

**EU 7-9 - ESR iGuide update** (6 min)  
Boris Brkljačić; Zagreb / Croatia

**EU 7-10 - Panel discussion: How synergies of efforts can enhance radiation protection of patients in Africa?** (36 min)  
All speakers and  
Henry Wanga; Nairobi / Kenya  
Boudjema Mansouri; Algiers / Algeria
RC 701 - Non-invasive ultrasound assessment of chronic diffuse liver disease

**Categories:** Abdominal Viscera, GI Tract, Imaging Methods, Multidisciplinary, Ultrasound

**ETC Level:** LEVEL I+II

**Date:** July 14, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderators:**
Vito Cantisani; Roma / Italy
Paolo Ricci; Rome / Italy

**RC 701-1 - Chairpersons’ introduction (2 min)**
Vito Cantisani; Rome / Italy
Paolo Ricci; Rome / Italy

**RC 701-2 - Current concept and status of elastography for liver fibrosis (12 min)**
Mustafa Secil; Izmir / Turkey

**RC 701-3 - Diffuse liver fat infiltration: measurement with ultrasound (12 min)**
Giovanna Ferraioli; Pavia / Italy

**RC 701-4 - Non-invasive ultrasound assessment of portal hypertension (12 min)**
Maija Radzina; Riga / Latvia

**RC 701-5 - The one-stop ultrasound clinic for chronic liver disease (12 min)**
Vito Cantisani; Rome / Italy

**RC 701-6 - Panel discussion: Current evidence (10 min)**
RC 710 - Knee ligaments

Categories: General Radiology, Imaging Methods, Musculoskeletal
ETC Level: LEVEL II+III
Date: July 14, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Violeta Vasilevska Nikodinovska; Skopje / Macedonia

RC 710-1 - Chairperson’s introduction (5 min)
Violeta Vasilevska-Nikodinovska; Skopje / Macedonia

RC 710-2 - Cruciate ligament injuries and associated meniscal tears (15 min)
Patrick Omoumi; Lausanne / Switzerland

RC 710-3 - ACL injury: associated ligament injuries (15 min)
Graeme Thompson; Cape Town / South Africa

RC 710-4 - ACL repair: MRI of a normal graft and the complications (15 min)
Pieter Van Dyck; Antwerp / Belgium

RC 710-5 - Panel discussion: The role of imaging in management-related decisions of ligamentous lesions of the knee joint (10 min)
RC 711 - Common requests in neuroradiology

Categories: General Radiology, Head and Neck, Imaging Methods, Neuro
ETC Level: LEVEL I
Date: July 14, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Jasmina Boban; Novi Sad / Serbia

RC 711-1 - Chairperson’s introduction (5 min)
Jasmina Boban; Novi Sad / Serbia

RC 711-2 - Imaging of headache (15 min)
Jasmina Boban; Novi Sad / Serbia

RC 711-3 - Imaging of visual disturbance (15 min)
Zoran Rumboldt; Rovinj-Rovigno / Croatia

RC 711-4 - Imaging of vertigo (15 min)
Bernhard F. Schuknecht; Zurich / Switzerland

RC 711-5 - Panel discussion: When the patient’s symptoms lead us in the wrong direction (10 min)
RT 7 - Building bridges: how to build evidence in interventional oncology

**Categories:** Interventional Oncologic Radiology, Interventional Radiology, Multidisciplinary, Professional Issues, Research

**ETC Level:** LEVEL II+III

**Date:** July 14, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderators:**
Thomas K. Karl Helmberger; München / Germany
Valérie Vilgrain; Clichy / France

**RT 7-1 - Chairpersons’ introduction** (2 min)
Thomas K. Helmberger; Munich / Germany
Valérie Vilgrain; Clichy / France

**RT 7-2 - How to build and perform research in interventional oncology** (10 min)
Philippe L. Pereira; Heilbronn / Germany

**RT 7-3 - Panel discussion** (48 min)
Peter Reimer; Karlsruhe / Germany
Philippe L. Pereira; Heilbronn / Germany
Martijn Meijerink; Amsterdam / Netherlands
CUBE 6 - The aortic alphabet soup

Categories: Interventional Radiology
Date: July 14, 2022 | 09:00 - 09:30 CEST
CME Credits: 0.5

- The aortic alphabet soup (30 min)
Tariq Ali; Norwich / UK
CUBE 7 - IR training and education for radiographers

Categories: Education, Interventional Radiology
Date: July 14, 2022 | 09:30 - 10:00 CEST
CME Credits: 0.5

- IR training and education for radiographers (30 min)
Sonyia McFadden; Belfast / UK
HD 2 - Highlights of the Day

Date: July 14, 2022 | 10:15 - 10:30 CEST

Moderator:
Regina G. H. Beets-Tan; Amsterdam / Netherlands
OF 8b - Harnessing the strengths of our National Societies

**Categories:** Audit, Education, Imaging Informatics, Management/Leadership, Professional Issues

**ETC Level:** LEVEL I+II

**Date:** July 14, 2022 | 10:30 - 11:30 CEST

**CME Credits:** 1

**Moderator:**
Andrea Grace Rockall; Godalming / United Kingdom

**OF 8b-2 - National Societies Audit on safety checklist** (10 min)
Andrea G. Rockall; London / UK

**OF 8b-3 - Safe haven for patient information** (10 min)
Evelyn Steinthaler; Vienna / Austria

**OF 8b-4 - How can we harness the power of coding?** (10 min)
Marc Kämmerer; Bochum / Germany

**OF 8b-5 - Discussion** (30 min)
CUBE 8 - Case studies presented through quiz

**Categories:** Interventional Radiology

**Date:** July 14, 2022 | 10:30 - 11:00 CEST

**CME Credits:** 0.5

- Quiz (30 min)

Geert Maleux; Tienen / Belgium
SF 8 - Thoracic imaging: more than just the lungs

Categories: Chest, Imaging Methods, Musculoskeletal, Translational Imaging, Vascular

ETC Level: ALL LEVELS

Date: July 14, 2022 | 10:30 - 12:00 CEST

CME Credits: 1.5

Moderator:
Christian Pfirrmann; Forch / Switzerland

SF 8-2 - Airways: dynamic and functional imaging (15 min)

SF 8-3 - Vessels: acute and chronic pulmonary vascular disease (15 min)
Jonathan D. Dodd; Dublin / Ireland

SF 8-4 - Mediastinum: anatomy and pathology (15 min)
Gianluca Milanese; Parma / Italy

SF 8-5 - Bones and the chest wall (15 min)
Christian W.A. Pfirrmann; Zurich / Switzerland

SF 8-6 - Panel discussion: Is there a "one-stop-shop" method for imaging the chest? (25 min)
SA 8 - Controversies and pitfalls in imaging of the head and neck

Categories: Evidence-Based Imaging, General Radiology, Head and Neck, Imaging Methods, Oncologic Imaging
ETC Level: ALL LEVELS
Date: July 14, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
Elizabeth Loney; Bradford / United Kingdom

SA 8-1 - Chairperson's introduction (5 min)
Elizabeth Loney; Halifax / UK

SA 8-2 - Controversies in oncological head and neck imaging (18 min)
Minerva Becker; Geneva / Switzerland

SA 8-3 - Controversies in non-oncological head and neck imaging (18 min)
Stephen Connor; London / UK

SA 8-4 - Pitfalls in head and neck imaging (18 min)
Davide Farina; Brescia / Italy

SA 8-5 - Incidental findings in head and neck imaging (18 min)
Alexandra Borges; Lisbon / Portugal

SA 8-6 - Panel discussion: Mistakes I've made and what I learnt from them (13 min)
OF 8R - Top tips in oncology imaging 1: protocols for pancreas and biliary tree imaging

Categories: Abdominal Viscera, GI Tract, Imaging Methods, Oncologic Imaging, Radiographers
Date: July 14, 2022 | 10:30 - 11:30 CEST
CME Credits: 1

Moderator:
Francis Zarb; Msida / Malta

OF 8R-2 - CT pancreas: presentation radiographer (10 min)
Edel Thomas; Dublin / Ireland

OF 8R-3 - CT pancreas: presentation radiologist (10 min)
John J. Hermans; Nijmegen / Netherlands

OF 8R-4 - Discussion (10 min)

OF 8R-5 - Magnetic resonance cholangiopancreatography (MRCP): presentation radiographer (10 min)
Warda Gilani; Amsterdam / Netherlands

OF 8R-6 - Magnetic resonance cholangiopancreatography (MRCP): presentation radiologist (10 min)
John J. Hermans; Nijmegen / Netherlands

OF 8R-7 - Discussion (10 min)
**RPS 809 - Visceral interventions**

**Categories:** Interventional Oncologic Radiology, Interventional Radiology, Multidisciplinary  
**Date:** July 14, 2022 | 10:30 - 12:00 CEST  
**CME Credits:** 1.5

**Moderator:**  
Stavros C. Spiliopoulos; Athens / Greece  

**RPS 809-2 - Methotrexate infusion followed by uterine artery embolisation for the management of placental adhesive disorders** (8 min)  
Mohammadreza Khaleghi; Tehran / Iran

**RPS 809-3 - A prospective study for assessment of changes in liver stiffness, before and after endovascular interventions in patients with budd-chiari syndrome, using shear wave elastography** (8 min)  
Rana Vishwadeep Mall; Lucknow / India

**RPS 809-4 - Does PSA level affect the choice of prostate puncture methods among MRI-ultrasound fusion targeted biopsy, transrectal ultrasound systematic biopsy or the combination of both?** (8 min)  
Yunyun Liu; Shanghai / China

**RPS 809-5 - Potential of pre-interventional magnetic resonance angiography for optimisation of workflow and clinical outcome of prostatic arterial embolisation** (8 min)  
Leona Soraja Alizadeh; Frankfurt a. Main / Germany

**RPS 809-6 - Prostatic artery embolisation in benign prostate syndrome (BPS): potential of pre-interventional MR angiography for optimising workflow and clinical outcome** (8 min)  
Thomas J. Vogl; Frankfurt a. Main / Germany

**RPS 809-7 - Percutaneous transluminal angioplasty for symptomatic hepatic vein-type budd-chiari syndrome: feasibility and long-term outcomes** (8 min)  
Aboelyazid Elkilany; Berlin / Germany

**RPS 809-8 - Applications of digital variance angiography and colour-coded digital variance angiography in prostatic artery embolisation** (8 min)  
Leona Soraja Alizadeh; Frankfurt a. Main / Germany

**RPS 809-9 - Centre experience and other determinants of patient radiation exposure during prostatic artery embolisation: a retrospective study in three Scandinavian centres** (8 min)  
Petra Svarc; Copenhagen / Denmark
RPS 809-10 - Clinical and radiologic outcome after positioning of a removable percutaneous interspinous process spacer: a first experience (8 min)
Luca Jacopo Pavan; Torino / France

RPS 809-11 - Computed tomography-guided transthoracic cutting needle biopsy of small pleural lesions (≤ 10 mm) (8 min)
Ena Mršić; Rijeka / Croatia

RPS 809-12 - In-office needle arthroscopy (IONA): may a traditionally orthopedic procedure fall in the field of interventional radiology? A pilot study to evaluate knee IONA performed by interventional radiologist (8 min)
Francesco Arrigoni; L’Aquila / Italy
OF 8a - Artificial intelligence (AI) for image quality assessment from a clinical perspective

**Categories:** Artificial Intelligence & Machine Learning, EuroSafe Imaging/Radiation Protection

**ETC Level:** LEVEL III

**Date:** July 14, 2022 | 10:30 - 11:30 CEST

**CME Credits:** 1

**Moderators:**
Christoph Hoeschen; Magdeburg / Germany
Guy Frija; Paris / France

**OF 8a-1 - Chairpersons’ introduction (part 1) (10 min)**
Christoph Hoeschen; Magdeburg / Germany
Guy Frija; Paris / France

**OF 8a-2 - AI-based MRI image quality assessment (10 min)**
Christoph Hoeschen; Magdeburg / Germany

**OF 8a-3 - Application of machine learning techniques for image quality assessment in chest CT (10 min)**
Zahra Passand; Magdeburg / Germany

**OF 8a-4 - Clinical experience of AI-based quality assessment (10 min)**
Elliot L. Siegel; Baltimore, MD / United States

**OF 8a-5 - Open forum discussion (20 min)**
BS 8 - Radiologic anatomy: breast

**Categories:** Breast  
**ETC Level:** LEVEL I+II  
**Date:** July 14, 2022 | 10:30 - 11:30 CEST  
**CME Credits:** 1

**Moderator:**  
Thomas H. Helbich; Vienna / Austria

**BS 8-2 - Congenital and developmental abnormalities of the breast** (13 min)  
Sarah J. Vinnicombe; Gloucestershire / UK

**BS 8-3 - Discussion** (2 min)

**BS 8-4 - About ducts and lobules and how they influence breast imaging** (13 min)  
Alexandra Athanasiou; Athens / Greece

**BS 8-5 - Discussion** (2 min)

**BS 8-6 - What radiologists have to teach breast surgeons about breast anatomy** (13 min)  
Isabelle Thomassin-Naggara; Paris / France

**BS 8-7 - Discussion** (2 min)

**BS 8-8 - Functional and metabolic breast anatomy by MRI and PET** (13 min)  
Katja Pinker-Domenig; New York, NY / United States

**BS 8-9 - Discussion** (2 min)
E³ 818 - New treatment strategies in renal cell carcinoma: a multidisciplinary approach

Categories: Genitourinary, Imaging Methods, Multidisciplinary, Oncologic Imaging, Translational Imaging
ETC Level: LEVEL II+III
Date: July 14, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
Laure S. Fournier; Paris / France

E³ 818-1 - Chairperson's introduction (5 min)
Laure S. Fournier; Paris / France

E³ 818-2 - New paradigms of treatment for the curable cancer: the surgeon's view (15 min)
Marcus Cumberbatch; Sheffield / UK

E³ 818-3 - New paradigms for the treatment for metastasised renal cancer: the oncologist's view (15 min)
Manuela Schmidinger; Vienna / Austria

E³ 818-4 - Radiologist: new response profiles with new treatment paradigms (15 min)
Laure S. Fournier; Paris / France

E³ 818-5 - Multidisciplinary tumour board: case-based panel discussion (40 min)
Laure S. Fournier; Paris / France
E³ 819 - The traumatic knee: a multidisciplinary approach

Categories: Emergency Imaging, Multidisciplinary, Musculoskeletal, Professional Issues
ETC Level: LEVEL II+III
Date: July 14, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
Jacob Johannes Visser; Rotterdam / Netherlands

E³ 819b-1 - Chairperson's introduction (5 min)
Jacob J. Visser; Rotterdam / Netherlands

E³ 819b-2 - The knee: the orthopedic’s perspective (15 min)
Tom Piscaer; Rotterdam / Netherlands

E³ 819b-3 - The knee: the radiologist's perspective (15 min)
David Hanff; Rotterdam / Netherlands

E³ 819b-4 - Case-based discussions (54 min)
Jacob J. Visser; Rotterdam / Netherlands
David Hanff; Rotterdam / Netherlands
Tom Piscaer; Rotterdam / Netherlands
E³ 821a - Safety of radiologic contrast media: an update

Categories: Contrast Media, Emergency Imaging, General Radiology, Genitourinary, Medico-legal
ETC Level: LEVEL II
Date: July 14, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

E³ 821a-1 - Acute non-renal adverse reactions (45 min)
Laura Romanini; Brescia / Italy

E³ 821a-2 - Contrast media extravasation (45 min)
Giles Roditi; Glasgow / UK
E³ 821b - Focal testicular lesions: challenging conditions

Categories: Emergency Imaging, Genitourinary, Imaging Methods, Oncologic Imaging, Ultrasound
ETC Level: LEVEL II+III
Date: July 14, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

E³ 821b-1 - Acutely painful lesions (45 min)
Vikram S. Dogra; Rochester, NY / United States

E³ 821b-2 - The small, incidentally-detected lesion (45 min)
Dean Y. Huang; London / UK
E³ 821c - New directions in cardiac imaging

Categories: Cardiac, Imaging Informatics, Imaging Methods, Physics in Medical Imaging

ETC Level: LEVEL III

Date: July 14, 2022 | 10:30 - 12:00 CEST

CME Credits: 1.5

E³ 821c-1 - Mapping techniques for advanced tissue characterisation (45 min)
Alexia Rossi; Zurich / Switzerland

E³ 821c-2 - Cardiac arrhythmia and fusion imaging (45 min)
Matilda Muça; Fürth / Germany
E³ 831 - Mediastinal tumours: abstention, medical, or surgical treatment?

Categories: Chest, Interventional Oncologic Radiology, Multidisciplinary, Oncologic Imaging  
ETC Level: LEVEL II+III  
Date: July 14, 2022 | 10:30 - 12:00 CEST  
CME Credits: 1.5  

Moderator:  
Thomas Frauenfelder; Zurich / Switzerland  

E³ 831-1 - Chairperson’s introduction (5 min)  
Thomas Frauenfelder; Zurich / Switzerland  

E³ 831-2 - Car-T cell therapy for the treatment of refractory B cell lymphoma: a revolution? The haematologist’s view (15 min)  
Sébastien Anguille; Edegem / Belgium  

E³ 831-3 - Diagnostic approach using CT and MRI (15 min)  
Thomas Frauenfelder; Zurich / Switzerland  

E³ 831-4 - When and how to perform percutaneous biopsy: interventional oncology (15 min)  
Eric de Kerviler; Paris / France  

E³ 831-5 - Multidisciplinary tumour board: case-based panel discussion (40 min)  
Thomas Frauenfelder; Zurich / Switzerland
E³ 832 - Endometriosis: a multidisciplinary approach

Categories: Genitourinary, Imaging Methods, Multidisciplinary
ETC Level: LEVEL II+III
Date: July 14, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
Rosemarie Forstner; Salzburg / Austria

E³ 832-1 - Chairperson's introduction (5 min)
Rosemarie Forstner; Salzburg / Austria

E³ 832-2 - Clinical background and management of endometriosis: the surgeon (15 min)
Mohamed Mabrouk; Cambridge / UK

E³ 832-3 - Endometriosis: typical and atypical imaging findings (20 min)
Nishat Bharwani; London / UK

E³ 832-4 - Imaging of deep endometriosis: providing a GPS to surgery (20 min)
Lucia Manganaro; Rome / Italy

E³ 832-5 - Multidisciplinary tumour board: case-based panel discussion (30 min)
Rosemarie Forstner; Salzburg / Austria
IF 8 - Listen to your patients: listening to the patient to improve the quality of service to your patients

Categories: General Radiology, Management/Leadership, Professional Issues, Radiographers, Research

Date: July 14, 2022 | 10:30 - 11:30 CEST

CME Credits: 1

Moderators:
Lorenzo E. Derchi; Genoa / Italy
Jonathan McNulty; Dublin / Ireland

IF 8-3 - Introduction (5 min)
Lorenzo E. Derchi; Genoa / Italy

IF 8-4 - A case study in Mercy University Hospital, Cork, Ireland (10 min)
Adrian Brady; Cork / Ireland

IF 8-5 - The case ZOL, Genk Belgium and the patient's view on patient satisfaction (20 min)
Erik Briers; Hasselt / Belgium

IF 8-6 - A radiographers view on "listening to patients" to improve the "service" to patients (10 min)
Emma Hyde; Derby / UK

IF 8-7 - Panel discussion: How can we organise a patient satisfaction survey in a radiology department? (15 min)
Dominique-Gérard Carrié; Toulouse / France
RPS 801 - New developments in MR imaging of primary liver tumours

Categories: Abdominal Viscera, Contrast Media, Imaging Methods, Oncologic Imaging, Research
Date: July 14, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
András Palkó; Szeged / Hungary

RPS 801-2 - Intrahepatic mass-forming cholangiocarcinoma - is there additional prognostic value in using Gd-EOB-enhanced MRI? (8 min)
Laura Segger; Berlin / Germany

RPS 801-3 - Preoperatively, clinical classification of patients with intrahepatic cholangiocarcinoma may guide personalised management and improve prognosis (8 min)
Qian Li; Chengdu / China

RPS 801-4 - Biomechanical phenotype of hepatocellular carcinoma based on multifrequency MR elastography: association with aggressiveness (8 min)
Jiahao Zhou; Shanghai / China

RPS 801-5 - Risk score models for predicting aggressiveness in early-stage hepatocellular carcinoma: the role of gadoxetic acid-enhanced magnetic resonance imaging (8 min)
Hong Wei; Chengdu / China

RPS 801-6 - Gadoxetic acid-enhanced MR imaging combining with computed tomography-vascular features may improve the diagnosis of hepatocellular carcinoma (8 min)
Shan Yao; Chengdu / China

RPS 801-7 - Comparative study of LI-RADS V2018 and LI-RADS V2017 on the diagnosis of hepatocellular carcinoma on Gd-EOB-DTPA enhanced MRI (8 min)
Rong Lu; Tianjin / China

RPS 801-8 - Classification and regression tree analysis: improved diagnostic performance for small HCC using gadoxetate disodium-enhanced MRI (8 min)
Junhan Pan; Hangzhou / China

RPS 801-9 - Diagnostic performance of LI-RADS v2018 in the differentiation of small (≤2cm) hepatocellular carcinoma from dysplastic nodules with gadobenate dimeglumine-enhanced magnetic resonance imaging (8 min)
Rong Lu; Tianjin / China
RPS 801-10 - The value of whole tumour region DWI texture analysis in predicting pathological grading of extrahepatic cholangiocarcinoma (8 min)
Ailian Liu; Dalian / China

RPS 801-11 - Intraindividual comparison of LI-RADS category and imaging features on contrast-enhanced CT and MRI (8 min)
Roberto Cannella; Palermo / Italy

RPS 801-12 - Can dual-layer spectral detector CT predict microvascular invasion in hepatocellular carcinoma? A correlation with apparent diffusion coefficient of MRI (8 min)
Yongjian Zhu; Beijing / China
RPS 802 - Breast cancer screening and mammography

Categories: Breast, Oncologic Imaging  
Date: July 14, 2022 | 10:30 - 12:00 CEST  
CME Credits: 1.5

Moderator:  
Matthew G. Wallis; Cambridge / United Kingdom

RPS 802-2 - Artificial Intelligence-aided mammograms and detection of malignancy in dense breasts (8 min)  
Sahar Mansour; Cairo / Egypt

RPS 802-3 - Abbreviated breast MRI protocol with b2500 diffusion for breast cancer screening (8 min)  
Thomas Lefevre; Paris / France

RPS 802-4 - Worldwide mammographic breast density characterisation (8 min)  
Wendelien Sanderink; Nijmegen / Netherlands

RPS 802-5 - Missed cases in breast imaging, lesion type, modality and areas to improve (8 min)  
Lobat Ataei Rooyani; Shiraz / Iran

RPS 802-6 - Self-compression mammography in clinical practice: final results of a randomised trial compared to standard compression for patient-centred care (8 min)  
Valentina Iotti; Reggio Emilia / Italy

RPS 802-7 - Impact of obtaining a digital breast tomosynthesis (DBT) spot compression view on assessment of equivocal DBT findings (8 min)  
Florian Deleau; Bordeaux / France

RPS 802-8 - Optimising the set of pairs of radiologists that double read screening mammograms (8 min)  
Jessie Gommers; Nijmegen / Netherlands

RPS 802-9 - Evaluation of dual spectrum digital breast tomosynthesis with iterative reconstruction for dose reduction (8 min)  
Leonardus van den Oever; Utrecht / Netherlands

RPS 802-10 - Breast cancer surveillance with MRI in patients with a history of chest irradiation (8 min)  
Suzanne van Winkel; Nijmegen / Netherlands
RPS 802-11 - Breast cancer in women under 40: still a rare entity? (8 min)
Nora Isela Moguel Molina; Mexico City / Mexico
RPS 811 - New techniques in neuro imaging

**Categories:** Contrast Media, Imaging Methods, Neuro  
**Date:** July 14, 2022 | 10:30 - 12:00 CEST  
**CME Credits:** 1.5

**Moderator:**  
Stefán Kristjánsson; Rejkjavik / Iceland

**RPS 811-2 - A quantitative imaging study of amide proton transfer-weighted imaging in diabetes-associated cognitive dysfunction of type 2 diabetes mellitus** (8 min)  
Wei Shao; Kunming / China

**RPS 811-3 - Early diffusion-weighted MRI at 3Tesla detects ischaemic changes of the optic nerve in anterior ischaemic optic neuropathy** (8 min)  
Augustin Lecler; Paris / France

**RPS 811-4 - Gadolinium presence in the skin: assessment of intraepidermal nerve fiber density in rat foot skin samples after multiple administrations of Gadolinium-based contrast agents** (8 min)  
Hubertus Pietsch; Berlin / Germany

**RPS 811-5 - Image quality comparison between a novel mobile head computed tomography scanner and current generation stationary computed tomography scanners** (8 min)  
Henrik Andersson; Lüddeköping / Sweden

**RPS 811-6 - Oxygen-challenge magnetic resonance study on the dynamic evolution of ischaemic penumbra in MCAO rats** (8 min)  
Zhengui Yang; Zhengzhou / China

**RPS 811-7 - Anatomical and functional alterations following endoscopic third ventriculostomy: the value of phase contrast and b-FFE sequences** (8 min)  
Dalia El-Mossly; Cairo / Egypt

**RPS 811-8 - Intraoperative MRI: our experience in one single centre** (8 min)  
Gonzalo Moreno Zamarro; Madrid / Spain

**RPS 811-9 - The value of spectral quantitative parameters on dual-layer detector CT in ischaemic stroke** (8 min)  
Jinghua Chen; Suzhou / China

**RPS 811-10 - From MRI to microscopy: advances in anatomo-radiological correlations at 7T** (8 min)
Aron Emmi; Padova / Italy

**RPS 811-11 - Evidence of white matter microstructural abnormalities in amyotrophic lateral sclerosis from mean apparent propagator MRI (8 min)**
Nao-Xin Huang; Fuzhou / China

**RPS 811-12 - Different approaches for aspartate approximation (8 min)**
Andrei Manzhurtsev; Moscow / Russia
RPS 810 - Lower extremity

**Categories:** Artificial Intelligence & Machine Learning, General Radiology, Imaging Methods, Musculoskeletal

**Date:** July 14, 2022 | 10:30 - 12:00 CEST

**CME Credits:** 1.5

**Moderator:**
Michail Klontzas; Heraklion / Greece

**RPS 810-2 - Deep learning based fully automated 3D models of hip labrum based on MR arthrography are feasible and allow detection of differences in labrum volume among different hip deformities** (8 min)
Florian Schmaranzer; Bern / Switzerland

**RPS 810-3 - Visual and quantitative assessment of hip implant-related metal artifacts at low field MRI: a comparative phantom study between 0.55T, 1.5T and 3T** (8 min)
Hanns-Christian Breit; Basel / Switzerland

**RPS 810-4 - Ultrasound-guided periprosthetic biopsy in failed total hip arthroplasty: a novel approach to test infection in patients with dry joints** (8 min)
Domenico Albano; Cefalu' / Italy

**RPS 810-5 - Feasibility study of the detectability of fiber rotation in muscle injuries using diffusion tensor imaging of skeletal muscle using a standardised defect model** (8 min)
Miriam Frenken; Düsseldorf / Germany

**RPS 810-6 - Combining deep learning based landmark detection with segmentation and object detection for comprehensive leg alignment analysis** (8 min)
Claudio von Schacky; Munich / Germany

**RPS 810-7 - Mass-diagnosing knee osteoarthritis with AI in an entire production year** (8 min)
Anders Lenskjold; Copenhagen / Denmark

**RPS 810-8 - Radiomic features as biomarkers of patellar cartilage lesions** (8 min)
Francesca Nistri; Treviso / Italy

**RPS 810-9 - True versus pseudo avulsion tear of superficial deltoid ligament of ankle on 3T MRI** (8 min)
Harikrishna Rajendran; Ahmadi post / Kuwait

**RPS 810-10 - T1rho relaxation of talar cartilage with and without axial loading in situ: an indicator of early degenerative changes in individuals with chronic ankle instability?** (8 min)
RT 8 - Building bridges: digital transformation of (cancer) healthcare

Categories: Artificial Intelligence & Machine Learning, Education, Management/Leadership, Oncologic Imaging, Professional Issues
ETC Level: ALL LEVELS
Date: July 14, 2022 | 11:00 - 12:00 CEST
CME Credits: 1

Moderators:
Regina G. H. Beets-Tan; Amsterdam / Netherlands
Matti Aapro; Genolier / Switzerland

RT 8-1 - Chairpersons’ introduction (2 min)
Regina G. H. Beets-Tan; Amsterdam / Netherlands
Matti Aapro; Genolier / Switzerland

RT 8-2 - The EU perspective (10 min)
Saila Rinne; Luxembourg / Luxembourg

RT 8-3 - The imaging perspective (8 min)
Elmar Kotter; Freiburg / Germany

RT 8-4 - The patient’s perspective (6 min)
Gilliosa Spurrier-Bernard; Auvergne / France

RT 8-5 - The industry’s perspective (6 min)
Bart Vannieuwenhuyse; Beerse / Belgium

RT 8-6 - Panel discussion: How can digital transformation of health care systems improve health care sectors and what are the obstacles that may hamper or slow down the process? (28 min)
AI 7 - How to AI-analyze 4 mlnStudies from 100 Hospitals

Categories: Artificial Intelligence & Machine Learning
Date: July 14, 2022 | 12:00 - 13:00 CEST
CME Credits: 1

Moderator:
Elad Walach; Tel Aviv / Israel

AI 7-1 - Introduction (3 min)
Elad Walach; New York / United States

AI 7-2 - How to AI-analyze 4 mlnStudies from 100 Hospitals (42 min)
Sergey Morozov; Jurmala / Latvia

AI 7-3 - Q&A (15 min)
IF 9a - The power of exchange: a success story, track record, and its achievement!

Categories: Breast, General Radiology, Professional Issues
Date: July 14, 2022 | 12:30 - 13:30 CEST
CME Credits: 1

Moderators:
Michael Fuchsjäger; Graz / Austria
Caroline Justich; Vienna / Austria

IF 9a-3 - Introduction (2 min)
Michael H. Fuchsjäger; Graz / Austria

IF 9a-4 - Industry view: improving patients' empowerment (10 min)
Robert Walton; Bucks / UK

IF 9a-5 - The radiologist as a virtual surgeon (10 min)
Arnulf Stenzl; Tübingen / Germany

IF 9a-6 - A true story of success: the radiologist as a game changer (18 min)
Michael H. Fuchsjäger; Graz / Austria
Caroline Justich; Vienna / Austria

IF 9a-7 - Panel discussion: What do patients, clinicians, and other stakeholders require from their experience within a radiology department? (20 min)
IF 9b - Radiographers and Patients in Focus: addressing important communication challenges

Categories: Professional Issues, Radiographers
Date: July 14, 2022 | 12:30 - 13:30 CEST
CME Credits: 1

Moderators:
Jonathan McNulty; Dublin / Ireland
Erik Briers; Brussels / Belgium

IF 9b-3 - Introduction (5 min)
Jonathan McNulty; Dublin / Ireland

IF 9b-4 - The ionising radiation benefit-risk discussion: the patient’s perspective (5 min)
Erik Briers; Hasselt / Belgium

IF 9b-5 - The ionising radiation benefit-risk discussion: the diagnostic radiographer’s perspective (5 min)
Jonathan Portelli; Msida / Malta

IF 9b-6 - The ionising radiation benefit-risk discussion: the radiotherapy/radiation therapist’s perspective (5 min)
Eric Sundqvist; Oslo / Norway

IF 9b-7 - Open disclosure: what patients want to know about their examinations? (10 min)
Cheryl Cruwys; Glanges / France

IF 9b-8 - The radiographer’s role in open disclosure (10 min)
Louise A. Rainford; Dublin / Ireland

IF 9b-9 - Panel discussion: Learning from each other: being educated by our patients and making sure they are fully informed (20 min)
E³ 25C - Solid pancreatic neoplasms

Categories: Abdominal Viscera, GI Tract, Imaging Methods, Oncologic Imaging
ETC Level: LEVEL I+II
Date: July 14, 2022 | 12:30 - 13:30 CEST
CME Credits: 1

Moderator:
Mirko D’Onofrio; Verona / Italy

E³ 25C-2 - Diagnosis (30 min)
Marc Zins; Paris / France

E³ 25C-3 - Staging (30 min)
Nikolaos Kartalis; Stockholm / Sweden
ESR eHealth - How artificial intelligence (AI) has changed radiology

**Categories:** Artificial Intelligence & Machine Learning, Imaging Informatics, Management/Leadership, Professional Issues

**ETC Level:** LEVEL II+III

**Date:** July 14, 2022 | 12:30 - 13:30 CEST

**CME Credits:** 1

**Moderator:**
Elmar Kotter; Freiburg / Germany

ESR eHealth-1 - Chairperson's introduction (2 min)
Elmar Kotter; Freiburg / Germany

ESR eHealth-2 - Benefits of AI challenges to clinical practice: algorithms that won and made it to the clinic (12 min)
Bram Van Ginneken; Nijmegen / Netherlands

ESR eHealth-3 - How to integrate AI into the clinical workflow (12 min)
Tim Leiner; Utrecht / Netherlands

ESR eHealth-4 - AI in detection and classification applied to workflow prioritisation (12 min)
Laurens Topff; Amsterdam / Netherlands

ESR eHealth-5 - Can we now trust AI models? (12 min)
Peter M.A. van Ooijen; Groningen / Netherlands

ESR eHealth-6 - Panel discussion (10 min)
E³ 30B - Ventricles, volumes, and pressures

**Categories:** General Radiology, Imaging Methods, Neuro, Paediatric Imaging, Ultrasound

**ETC Level:** LEVEL I+II

**Date:** July 14, 2022 | 12:30 - 13:30 CEST

**CME Credits:** 1

**Moderator:**
Marek Sąsiadek; Wroclaw / Poland

E³ 30B-2 - Hydrocephalus, atrophy, or both (assessing the ventricular system, basal cisterns, and extracerebral CSF spaces) (20 min)
Miguel Palm; Maastricht / Netherlands

E³ 30B-3 - Intracranial hypotension (20 min)
Joanna Bladowska; Wroclaw / Poland

E³ 30B-4 - Idiopathic intracranial hypertension (20 min)
Robert M. Kwee; Sittard-Geleen / Netherlands
OF 9a - Connecting with research in the human connectome: tips and tricks to demystify the study tools

Categories: Research
ETC Level: LEVEL II+III
Date: July 14, 2022 | 12:30 - 13:30 CEST
CME Credits: 1

Moderator:
Romain Viard; Lille / France

OF 9a-1 - Chairperson's introduction (5 min)
Romain Viard; Lille / France

OF 9a-2 - Connecting with research in the human connectome (25 min)
Romain Viard; Lille / France

OF 9a-3 - Tips and tricks to demystify the study tools (15 min)
Loukas G. Astrakas; Ioannina / Greece

OF 9a-4 - Open forum discussion (15 min)
E³ 24B - Critical appraisal of MSK terminology

**Categories:** General Radiology, Imaging Methods, Musculoskeletal

**ETC Level:** LEVEL I+II

**Date:** July 14, 2022 | 12:30 - 13:30 CEST

**CME Credits:** 1

**Moderator:**
Giuseppe Guglielmi; Andria / Italy

**E³ 24B-2 - Osteopenia** (18 min)
Koenraad Verstraete; Ghent / Belgium

**E³ 24B-3 - Periosteal reaction** (18 min)
Gunnar K.O. Aström; Uppsala / Sweden

**E³ 24B-4 - Bone marrow oedema** (18 min)
Klaus Wörtler; Munich / Germany

**E³ 24B-5 - Panel discussion** (6 min)
Meets 9 - Radiological projects of the Netherlands

**Categories:** Abdominal Viscera, Cardiac, Education, Neuro, Professional Issues
**ETC Level:** LEVEL II+III
**Date:** July 14, 2022 | 12:30 - 13:30 CEST
**CME Credits:** 1

**Moderators:**
Regina G. H. Beets-Tan; Amsterdam / Netherlands
Mathias Prokop; Nijmegen / Netherlands

**Meets 9-3 - Welcome and introduction (10 min)**
Regina G.H. Beets-Tan; Amsterdam / Netherlands
Mathias Prokop; Nijmegen / Netherlands

**Meets 9-4 - Liver-heart (15 min)**
Hildo J. Lamb; Leiden / Netherlands

**Meets 9-5 - Heart-brain (15 min)**
Birgitta K. Velthuis; Utrecht / Netherlands

**Meets 9-6 - Radiology and nuclear medicine residency education (Corona) (15 min)**
Roel Bennink; Amsterdam / Netherlands
Liesbeth Peters-Bax; Nijmegen / Netherlands

**Meets 9-7 - Relaxing short video (5 min)**
OF 9Y - Meet the professors: part 2

**Categories:** Education, General Radiology, Management/Leadership, Professional Issues, Students

**ETC Level:** ALL LEVELS

**Date:** July 14, 2022 | 12:30 - 13:30 CEST

**CME Credits:** 1

**Moderator:**
Laura Katharina Segger; Berlin / Germany

**OF 9Y-1 - Chairperson's introduction** (5 min)
Viktoriia Pozdniakova; Oslo / Norway

**OF 9Y-2 - How to choose and pursue your way in clinical and/or academic radiology?** (20 min)
Bernd Hamm; Berlin / Germany
Lynn Jeanette Savic; Berlin / Germany
Giovanni Torsello; Berlin / Germany

**OF 9Y-3 - Leadership and mentorship** (20 min)
Maria I. Argyropoulou; Ioannina / Greece

**OF 9Y-4 - Discussion** (15 min)
OF 9b - ESR Education Committee: activities and projects

Categories: Education  
ETC Level: ALL LEVELS  
Date: July 14, 2022 | 12:30 - 13:30 CEST  
CME Credits: 1

Moderator: Minerva Becker; Geneva / Switzerland

OF 9b-2 - Introduction (10 min)  
Minerva Becker; Geneva / Switzerland

OF 9b-3 - ESR Radiology Trainees Forum (10 min)  
Martin Reim; Tartu / Estonia

OF 9b-4 - ESR Undergraduate Education Subcommittee (10 min)  
Vicky J. Goh; London / UK

OF 9b-5 - ESR eLearning Subcommittee (10 min)  
Sue Barter; Bedford / UK

OF 9b-6 - Discussion (20 min)
RC 915 - Vasculitis revisited

**Categories:** Abdominal Viscera, Interventional Radiology, Multidisciplinary, Neuro, Vascular

**ETC Level:** LEVEL I+II

**Date:** July 14, 2022 | 12:30 - 13:30 CEST

**CME Credits:** 1

**Moderator:**
Viktor Bérczi; Budapest / Hungary

**RC 915-1 - Chairperson's introduction (5 min)**
Viktor Bérczi; Budapest / Hungary

**RC 915-2 - Pathophysiology (10 min)**
Justin C. Mason; London / UK

**RC 915-3 - Brain (10 min)**
Luc van den Hauwe; Antwerp / Belgium

**RC 915-4 - Body manifestations of large vessel vasculitis (10 min)**
Thorsten Bley; Würzburg / Germany

**RC 915-5 - Interventional radiology implications of vasculitis (10 min)**
Fabrizio Fanelli; Florence / Italy

**RC 915-6 - Panel discussion: The need for multidisciplinary in diagnosis and treatment (15 min)**
RT 9 - Building bridges: the green radiology department

Categories: General Radiology, Management/Leadership, Professional Issues, Radiographers
ETC Level: ALL LEVELS
Date: July 14, 2022 | 12:30 - 13:30 CEST

Moderator:
Adrian Brady; Cork / Ireland

RT 9-1 - Chairperson’s introduction (5 min)
Adrian Brady; Cork / Ireland

RT 9-2 - Shaping the radiology department of the future: environmental sustainability (15 min)
Andrea G. Rockall; London / UK

RT 9-3 - Teaming up to define metrics and methodologies to decarbonise imaging (10 min)
Olesya Struk; Amsterdam / Netherlands

RT 9-4 - Discussion (30 min)
Andrea G. Rockall; London / UK
Lorenzo E. Derchi; Genoa / Italy
Daniel Pinto dos Santos; Cologne / Germany
OF 9R - Top tips in oncology imaging 2: protocols for gastrointestinal imaging

**Categories:** GI Tract, Imaging Methods, Oncologic Imaging, Radiographers  
**Date:** July 14, 2022 | 12:30 - 13:30 CEST  
**CME Credits:** 1

**Moderator:**  
Francis Zarb; Msida / Malta

**OF 9R-2 - CT gastro-intestinal: presentation radiographer** (10 min)  
Dearbhla Kearney; Dublin / Ireland

**OF 9R-3 - CT gastro-intestinal: presentation radiologist** (10 min)  
Kevin Cronin; Dublin / Ireland

**OF 9R-4 - Discussion** (10 min)

**OF 9R-5 - MR rectum: presentation radiographer** (10 min)  
Megan van der Lubbe; Amsterdam / Netherlands

**OF 9R-6 - MR rectum: presentation radiologist** (10 min)  
Max J. Lahaye; Amsterdam / Netherlands

**OF 9R-7 - Discussion** (10 min)
NH 10 - Integrated diagnostics: evidence-based therapy guidance in oncology

Categories: Molecular Imaging, Multidisciplinary, Oncologic Imaging, Research, Translational Imaging
ECT Level: LEVEL II+III
Date: July 14, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderators:
Daniele Regge; Torino / Italy
Tomris Ozben; Antalya / Turkey

NH 10-1 - Chairpersons' introduction (5 min)
Daniele Regge; Turin / Italy
Tomris Ozben; Antalya / Turkey

NH 10-2 - From tumour markers to liquid biopsy (15 min)
Tomris Ozben; Antalya / Turkey

NH 10-3 - Imaging cancer at a cellular and sub-cellular resolution (15 min)
Reinhard Büttner; Cologne / Germany

NH 10-4 - Oncologic decision support systems from a radiologist's perspective (15 min)
Luis Martí-Bonmatí; Valencia / Spain

NH 10-5 - Precision cancer therapy: making sense of it all (15 min)
Silvia Marsoni; Milan / Italy

NH 10-6 - Panel discussion: Sharing clinical decisions in cancer care (25 min)
SF 10a - Normal or abnormal cardiac imaging

**Categories:** Cardiac, Imaging Methods, Paediatric Imaging
**ETC Level:** ALL LEVELS
**Date:** July 14, 2022 | 14:00 - 15:30 CEST
**CME Credits:** 1.5

**Moderator:**
Hatem Alkadhi; Zürich / Switzerland

**SF 10a-1 - Chairperson's introduction (5 min)**
Hatem Alkadhi; Zurich / Switzerland

**SF 10a-2 - The spectrum of normal cardiac appearances in athletes (20 min)**
Birgitta K. Velthuis; Utrecht / Netherlands

**SF 10a-3 - The normal ageing heart (20 min)**
Maja Hrabak Paar; Zagreb / Croatia

**SF 10a-4 - Adults with congenital heart disease (20 min)**
Aurelio Secinaro; Rome / Italy

**SF 10a-5 - Panel discussion: Normal or pathological heart? That is the question (25 min)**
RC 1014 - Simulation in radiography education and training

Categories: Education, Professional Issues, Radiographers, Students
Date: July 14, 2022 | 14:00 - 15:00 CEST
CME Credits: 1

Moderators:
Diego Catania; Milan / Italy
Laura Oleaga Zufiría; Barcelona / Spain

RC 1014-1 - Chairpersons' introduction (5 min)
Diego Catania; Milan / Italy
Laura Oleaga Zufiría; Barcelona / Spain

RC 1014-2 - Introduction to virtual reality (VR) (10 min)
John Ryan; Dublin / Ireland

RC 1014-3 - The use of moulage in teaching (10 min)
Naomi Shiner; Derby / UK

RC 1014-4 - Simulation in radiotherapy education (10 min)
Jose Guilherme Couto; Msida / Malta

RC 1014-5 - Educational impact for radiography (10 min)
Karen Knapp; Exeter / UK

RC 1014-6 - Panel discussion: How do we know if simulation really builds knowledge, skills, and competence? (15 min)
RC 1012 - Pros and Cons: Chest CT is indicated in children with suspected COVID-19

**Categories:** Chest, Imaging Methods, Paediatric Imaging, Professional Issues  
**ETC Level:** LEVEL II  
**Date:** July 14, 2022 | 14:00 - 15:00 CEST  
**CME Credits:** 1

**Moderator:**  
Paolo Tomà; Roma / Italy

**RC 1012-1 - Chairperson's introduction** (5 min)  
Paolo Tomà; Rome / Italy

**RC 1012-2 - PRO** (15 min)  
Ola Kvist; Stockholm / Sweden

**RC 1012-3 - CON** (15 min)  
Thomas Robert Semple; London / UK

**RC 1012-4 - Panel discussion: Chest CT has a prognostic role in COVID-19/MIS-C** (25 min)
RC 1008 - Pros and Cons: Minimal axial diameter is the leading criterion to perform an US-guided lymph node puncture in the neck

Categories: Head and Neck, Interventional Oncologic Radiology, Multidisciplinary, Oncologic Imaging, Ultrasound
ETC Level: LEVEL II+III
Date: July 14, 2022 | 14:00 - 15:00 CEST
CME Credits: 1

Moderator:
Markus Brunner; Wien / Austria

RC 1008-1 - Chairperson's introduction (5 min)
Markus Brunner; Vienna / Austria

RC 1008-2 - PRO (15 min)
Pim De Graaf; Amsterdam / Netherlands

RC 1008-3 - CON (15 min)
Gitta Madani; London / UK

RC 1008-4 - Panel discussion: The leading criterion to perform an ultrasound-guided lymph node puncture in the head and neck is the minimal axial diameter, other US-criteria or criteria provided by other modalities are less relevant (25 min)
OF 10R - Top tips in oncology imaging 3: protocols for genitourinary imaging

Categories: Abdominal Viscera, Genitourinary, Imaging Methods, Oncologic Imaging, Radiographers
Date: July 14, 2022 | 14:00 - 15:00 CEST
CME Credits: 1

Moderator:
Lyanne Molenaar; Amsterdam / Netherlands

OF 10R-2 - CT urology: presentation radiographer (10 min)
Philomena Donohoe; Dublin / Ireland

OF 10R-3 - CT urology: presentation radiologist (10 min)
Thierry N. Boellaard; Amsterdam / Netherlands

OF 10R-4 - Discussion (10 min)

OF 10R-5 - MR prostate: presentation radiographer (10 min)
Claude Portanier Mifsud; Msida / Malta

OF 10R-6 - MR prostate: presentation radiologist (10 min)
Stijn Heijmink; Amsterdam / Netherlands

OF 10R-7 - Discussion (10 min)
OF 10a - The era of the inevitable marriage: the radiologists and the biomedical scientist - tips and tricks to make it smooth

Categories: Artificial Intelligence & Machine Learning, General Radiology, Physics in Medical Imaging, Professional Issues
ETC Level: ALL LEVELS
Date: July 14, 2022 | 14:00 - 15:00 CEST
CME Credits: 1

Moderator:
Loukas G. Astrakas; Ioannina / Greece

OF 10a-1 - Chairperson's introduction (5 min)
Loukas G. Astrakas; Ioannina / Greece

OF 10a-2 - The era of the inevitable marriage: the radiologists and the biomedical scientist (25 min)
Maria I. Argyropoulou; Ioannina / Greece

OF 10a-3 - Tips and tricks to make it smooth (15 min)
Jean-Pierre Pruvo; Lille / France

OF 10a-4 - Open forum discussion (15 min)
E³ 1019f - Neuroblastoma: a multidisciplinary approach

**Categories:** Abdominal Viscera, Interventional Oncologic Radiology, Interventional Radiology, Multidisciplinary, Paediatric Imaging

**ETC Level:** LEVEL II+III

**Date:** July 14, 2022 | 14:00 - 15:30 CEST

**CME Credits:** 1.5

**Moderators:**
Fernando Gomez Muñoz; Barcelona / Spain
Premal Patel; London / United Kingdom

**E³ 1019f-1 - Chairpersons’ introduction (5 min)**
Fernando Gómez Muñoz; Barcelona / Spain
Premal Patel; London / UK

**E³ 1019f-2 - Imaging of neuroblastoma: the radiologist’s perspective (10 min)**
Ignasi Barber; Esplugues de Llobregat / Spain

**E³ 1019f-3 - Systemic treatment and radiation therapy of neuroblastoma: the oncologist’s perspective (10 min)**
Jaume Mora; Barcelona / Spain

**E³ 1019f-4 - Surgery for the management of neuroblastoma: the surgeon’s perspective (10 min)**
Marta P. Martín Giménez; Barcelona / Spain

**E³ 1019f-5 - Interventional radiology in treatment of neuroblastoma: the interventional radiologist’s perspective (10 min)**
Fernando Gómez Muñoz; Barcelona / Spain

**E³ 1019f-6 - Case-based discussions (45 min)**
Fernando Gómez Muñoz; Barcelona / Spain
Premal Patel; London / UK
ESR/ESTRO - Artificial intelligence (AI): from research to clinical practice

Categories: Artificial Intelligence & Machine Learning, Management/Leadership, Physics in Medical Imaging, Translational Imaging

ETC Level: LEVEL III

Date: July 14, 2022 | 14:00 - 15:00 CEST

CME Credits: 1

Moderators:
Lorenzo E. Derchi; Genoa / Italy
Vincenzo Valentini; Rome / Italy

ESR/ESTRO-1 - Chairpersons' introduction (5 min)
Lorenzo E. Derchi; Genoa / Italy
Vincenzo Valentini; Rome / Italy

ESR/ESTRO-2 - Radiomics and deep learning: the basics you need to know (12 min)
Nickolas Papanikolaou; Lisbon / Portugal

ESR/ESTRO-3 - Artificial intelligence: from research to clinics (12 min)
Vincenzo Valentini; Rome / Italy

ESR/ESTRO-4 - Artificial intelligence: how has it changed radiation treatment planning? (12 min)
Nicole Nesvacil; Vienna / Austria

ESR/ESTRO-5 - AI and the integration of -omics biomarkers for the prediction of response to treatment (12 min)
Evis Sala; Cambridge / UK

ESR/ESTRO-6 - Live Q&A (7 min)
CUBE 9 - IR in the treatment of giant visceral aneurysms & New concepts to optimize endovascular treatment

Categories: Abdominal Viscera, Interventional Radiology
ETC Level: LEVEL I
Date: July 14, 2022 | 14:00 - 14:30 CEST
CME Credits: 0.5

- IR in the treatment of giant visceral aneurysms (15 min)
  Stavros Spiliopoulos; Athens / Greece

- New concepts to optimize endovascular treatment (15 min)
  Stavros Spiliopoulos; Athens / Greece
E³ 1019e - Response evaluation in breast cancer treatment: a multidisciplinary approach

**Categories:** Breast, Imaging Methods, Multidisciplinary, Oncologic Imaging, Ultrasound

**ETC Level:** LEVEL II+III

**Date:** July 14, 2022 | 14:00 - 15:30 CEST

**CME Credits:** 1.5

**Moderator:**
Paola Clauser; Vienna / Austria

E³ 1019e-1 - Chairperson’s introduction (2 min)
Paola Clauser; Vienna / Austria

E³ 1019e-2 - Assessment after neoadjuvant chemotherapy (NAC): what the surgeon needs to know (15 min)
Isabel T. Rubio; Madrid / Spain

E³ 1019e-3 - Ultrasound, contrast-enhanced mammography, and MRI after neoadjuvant chemotherapy: rivals or allies? (15 min)
Marc B.I. Lobbes; Maastricht / Netherlands

E³ 1019e-4 - Early prediction of response to treatment: current evidence and future perspectives (15 min)
Heike Preibsch; Tübingen / Germany

E³ 1019e-5 - Case based panel discussions: evaluation of breast cancer response to therapy, which is the best way? (43 min)
Paola Clauser; Vienna / Austria
E³ 1019d - The memory clinic: a multidisciplinary approach

Categories: Hybrid Imaging, Imaging Methods, Multidisciplinary, Neuro
ETC Level: LEVEL II+III
Date: July 14, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderator:
Meike W. Vernooij; Rotterdam / Netherlands

E³ 1019d-1 - Chairperson's introduction (5 min)
Meike Vernooij; Rotterdam / Netherlands

E³ 1019d-2 - A changing diagnostic paradigm of Alzheimer's disease (15 min)
Wiesje van der Flier; Amsterdam / Netherlands

E³ 1019d-3 - The role of CT, MRI, and PET in the memory clinic (15 min)
Sven Haller; Geneva / Switzerland

E³ 1019d-4 - Current treatment options for dementia: lessons from the neurologist (15 min)
Nick Fox; London / UK

E³ 1019d-5 - Multidisciplinary team meeting: case-based panel discussion (40 min)
Meike Vernooij; Rotterdam / Netherlands
E³ 1019c - Multidisciplinary management of acute ischaemic stroke: beyond current guidelines

**Categories:** Emergency Imaging, Interventional Oncologic Radiology, Multidisciplinary, Neuro, Professional Issues
**ETC Level:** ALL LEVELS
**Date:** July 14, 2022 | 14:00 - 15:30 CEST
**CME Credits:** 1.5

**Moderator:**
Antonín Krajina; Hradec Králové / Czechia

**E³ 1019c-1 - Chairperson's introduction** (2 min)
Antonín Krajina; Hradec Králové / Czechia

**E³ 1019c-2 - Intravenous thrombolysis prior to endovascular treatment beyond the 4.5 hour time window, the neurologist's perspective** (15 min)
Georgios K. Tsivgoulis; Athens / Greece

**E³ 1019c-3 - Medium vessel occlusions; how distal should we go? The interventional radiologist's perspective** (15 min)
René Chapot; Essen / Germany

**E³ 1019c-4 - Basilar artery occlusion with mild neurological deficit (NIHSS <10), the neurologist's perspective** (15 min)
Patrik Michel; Lausanne / Switzerland

**E³ 1019c-5 - Multidisciplinary case-based panel discussions** (43 min)
Antonín Krajina; Hradec Králové / Czechia
E³ 1019b - Breast cancer staging and monitoring with imaging: a multidisciplinary approach

**Categories:** Breast, Imaging Methods, Multidisciplinary, Oncologic Imaging

**ETC Level:** LEVEL II+III

**Date:** July 14, 2022 | 14:00 - 15:30 CEST

**CME Credits:** 1.5

**Moderator:**
Ritse Maarten Mann; Nijmegen / Netherlands

**E³ 1019b-1 - Chairperson’s introduction** (5 min)
Ritse M. Mann; Nijmegen / Netherlands

**E³ 1019b-2 - Advanced breast cancer staging and monitoring of response to neoadjuvant therapy** (15 min)
Katja Pinker-Domenig; New York, NY / United States

**E³ 1019b-3 - Planning breast cancer surgery: what radiologists need to know** (15 min)
Francesco Meani; Lugano / Switzerland

**E³ 1019b-4 - Selection and monitoring of patients for neoadjuvant systemic therapy** (15 min)
Marleen Kok; Amsterdam / Netherlands

**E³ 1019b-5 - Multidisciplinary tumour board: case-based panel discussion** (40 min)
Ritse M. Mann; Nijmegen / Netherlands
E³ 1018 - Multimodality imaging of tumour heterogeneity in cancer treatment: a multidisciplinary approach

Categories: Molecular Imaging, Multidisciplinary, Nuclear Medicine, Oncologic Imaging, Translational Imaging
ETC Level: LEVEL II+III
Date: July 14, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderator:
Clemens C. Cyran; München / Germany

E³ 1018-1 - Chairperson's introduction (5 min)
Clemens C. Cyran; Munich / Germany

E³ 1018-2 - The oncologist: the rationale of tumour heterogeneity in oncology (15 min)
Manuela Schmidinger; Vienna / Austria

E³ 1018-3 - The pathologist: pathological assessment and measures of clonal heterogeneity (15 min)
Federica Pedica; Milan / Italy

E³ 1018-4 - Multimodality imaging of tumour heterogeneity (15 min)
Clemens C. Cyran; Munich / Germany

E³ 1018-5 - Case-based panel discussion: Integrated biomarkers of tumour heterogeneity for guiding oncological therapy (40 min)
Clemens C. Cyran; Munich / Germany
BS 10 - Abdominal viscera: imaging the pancreas

Categories: Abdominal Viscera, General Radiology, Imaging Methods
ETC Level: LEVEL II
Date: July 14, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderator:
Ioana Gabriela Lupescu; Bucharest / Romania

BS 10-2 - Imaging pancreatitis (30 min)
Charikleia Triantopoulou; Athens / Greece

BS 10-3 - Imaging pancreatic cystic lesions (30 min)
András Palkó; Szeged / Hungary

BS 10-4 - Imaging pancreatic solid masses (30 min)
Luis Curvo-Semedo; Coimbra / Portugal
AI 9 - How to train Radiologists and related Professionals in AI?

Categories: Artificial Intelligence & Machine Learning
Date: July 14, 2022 | 14:00 - 15:00 CEST
CME Credits: 1

Moderator:
Wim Van Hecke; icometrix / Belgium

AI 9-1 - Introduction (3 min)
Wim van Hecke; Leuven / Belgium

AI 9-2 - Panel Discussion (57 min)
Peter M.A. van Oojien; Groningen / Netherlands
Pablo Naval-Baudin; LHospitalet de Llobregat / Spain
Emanuele Neri; Pisa / Italy
E³ 1019a - Rectal cancer: a multidisciplinary approach

**Categories:** Abdominal Viscera, GI Tract, Imaging Methods, Multidisciplinary, Oncologic Imaging  
**ETC Level:** LEVEL II+III  
**Date:** July 14, 2022 | 14:00 - 15:30 CEST  
**CME Credits:** 1.5

**Moderator:**  
Regina G. H. Beets-Tan; Amsterdam / Netherlands

**E³ 1019a-1 - Chairperson's introduction** (2 min)  
Regina G.H. Beets-Tan; Amsterdam / Netherlands

**E³ 1019a-2 - Lessons from the surgeon** (15 min)  
Geerard L. Beets; Amsterdam / Netherlands

**E³ 1019a-3 - Lessons from the radiation oncologist** (15 min)  
Maria Antonietta Gambacorta; Rome / Italy

**E³ 1019a-4 - Lessons from the radiologist: case-based discussion** (58 min)  
Regina G.H. Beets-Tan; Amsterdam / Netherlands
RPS 1013 - Photon counting and dual-energy CT

Categories: Artificial Intelligence & Machine Learning, Cardiac, Oncologic Imaging, Physics in Medical Imaging
Date: July 14, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5
Moderator:
Cynthia McCollough; Rochester / United States

RPS 1013-2 - Phantom imaging evaluations of a prototype full-size photon counting CT system at clinical dose levels (8 min)
Xiaohui Zhan; Vernon Hills / United States

RPS 1013-3 - Quantum iterative reconstruction for low-contrast liver lesion detection in clinical photon-counting detector CT: Impact on noise texture and diagnostic performance (8 min)
Damien Racine; Lausanne / Switzerland

RPS 1013-4 - Quantitative image quality comparison between a prototype full-size photon counting CT system and conventional CT systems with energy integrating detectors (8 min)
Keiichi Nomura; Kashiwa / Japan

RPS 1013-5 - Improved stent imaging & visualisation with photon counting CT: a phantom study (8 min)
Jim O Doherty; Malvern / United States

RPS 1013-6 - Performance evaluation of (ultra) high resolution photon-counting CT of the lungs: an anthropomorphic lung vessel phantom study (8 min)
Irene Hernandez-Giron; Leiden / Netherlands

RPS 1013-7 - Dose reduction in coronary artery calcium scoring using mono-energetic images from reduced tube voltage dual-source photon-counting CT data: a dynamic phantom study (8 min)
Marcel van Straten; Rotterdam / Netherlands

RPS 1013-8 - Comparison of image quality between spectral photon-counting CT and dual-layer CT for the evaluation of lung nodules: a phantom study (8 min)
Salim Si-Mohamed; Lyon / France

RPS 1013-9 - Iron quantification in dual-source dual-energy photon-counting CT with up to four energy bins (8 min)
Stefan Sawall; Heidelberg / Germany

RPS 1013-10 - Comparison of the virtual monoenergetic image quality obtained with two versions of deep learning image reconstruction algorithm for rapid kV-Switching Dual-Energy CT: a phantom study (8 min)
RPS 1013-11 - Comparison of virtual monoenergetic imaging between a rapid kilovoltage switching dual-Energy CT with deep-learning and four dual-Energy CTs with iterative reconstruction (8 min)
Joel Greffier; Nimes / France

RPS 1013-12 - Comparison between three generations of rapid kV-switching dual-energy CT systems on virtual monoenergetic images at low keV: a task-based image quality assessment on phantom data (8 min)
Joel Greffier; Nimes / France
RPS 1002 - New artificial intelligence applications in breast imaging

Categories: Artificial Intelligence & Machine Learning, Breast
Date: July 14, 2022 | 14:00 - 15:00 CEST
CME Credits: 1

Moderator:
Valeria Romeo; Naples / Italy

RPS 1002-2 - Systematic analysis of changes in radiomics features during dynamic breast-MRI: creating specific biomarkers (8 min)
Anna Landsmann; Zürich / Switzerland

RPS 1002-3 - Evaluation of the performance of artificial intelligence (AI) after one year of use in breast cancer screening practice: is the promise being delivered? (8 min)
Esperanza Elías Cabot; Cordoba / Spain

RPS 1002-4 - Training of artificial intelligence (AI) networks for identification and classification of microcalcifications in digital mammography (DM): preliminary data (8 min)
Giulia Signorelli; Milano / Italy

RPS 1002-5 - Pretreatment prediction of pathologic complete tumour response to neoadjuvant chemotherapy in triple-negative breast cancer patients using dynamic-contrast-enhanced MRI-based radiomics models (8 min)
Thiemo van Nijnatten; Maastricht / Netherlands

RPS 1002-6 - Evaluate performance of two different versions of an artificial intelligence (AI) system for predicting the risk of developing interval cancer (IC) within 6 to 24 months after negative screening exam (8 min)
Davut Guner; Istanbul / Turkey

RPS 1002-7 - Radiomics in spiral breast CT: potential of texture analysis in breast density classification (8 min)
Anna Landsmann; Zürich / Switzerland

RPS 1002-8 - The potential of radiomics-based features on screening mammograms in distinguishing molecular subtypes of invasive breast cancer (8 min)
Jim Peters; Nijmegen / Netherlands
RPS 1001b - Novelties in hepatobiliary imaging

Categories: Abdominal Viscera, Contrast Media, GI Tract, Imaging Methods, Research
Date: July 14, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderator: Federica Vernuccio; Padova / Italy

RPS 1001b-2 - Is there any role for multiparametric MRI of the liver in follow-up of liver-transplant patients? (8 min)
Benjamin Henninger; Innsbruck / Austria

RPS 1001b-3 - Golden-angle radial sparse parallel dynamic contrast enhanced MRI: automatic detection and characterisation of liver lesions using contrast agent behaviour (8 min)
Manfred Meyer; Basel / Switzerland

RPS 1001b-4 - Quantification of hepatic steatosis with a novel attenuation imaging (ATI) ultrasound technique (QAI): preliminary findings on feasibility, reproducibility and diagnostic accuracy (8 min)
Matteo Garcovich; Rome / Italy

RPS 1001b-5 - Virtual portal vein pressure gradient based on CFD model: a noninvasive procedure with CT angiography for the diagnosis of portal hypertension (8 min)
Shang Wan; Chengdu / China

RPS 1001b-6 - Prediction of hepatic decompensation in patients with primary sclerosing cholangitis using body composition model and machine learning-based combined topological and radiomics features (8 min)
Yashbir Singh; Rochester / United States

RPS 1001b-7 - Assessment of clinical outcome in patients with portal hypertension: quantitative computed tomographic feature may serve as an effective biomarker (8 min)
Shang Wan; Chengdu / China

RPS 1001b-8 - Development and assessment of prognostic value and agreement of a novel MRCP-score for patients with primary sclerosing cholangitis (8 min)
Aristeidis Grigoriadis; Stockholm / Sweden

RPS 1001b-9 - Early tumour shrinkage as a novel imaging biomarker for patients with hepatocellular carcinoma undergoing immunotherapy (8 min)
Felix Hahn; Mainz / Germany
RPS 1001b-10 - Evaluation of various methods of liver measurement in comparison to volumetric segmentation based on computed tomography (8 min)
Maciej Cebula; Katowice / Poland

RPS 1001b-11 - The role of splenic volume as imaging biomarker in patients with hepatocellular carcinoma under immunotherapy (8 min)
Felix Hahn; Mainz / Germany

RPS 1001b-12 - Myosteatosis can predict unfavourable outcomes in advanced hepatocellular carcinoma patients treated with hepatic artery infusion chemotherapy and anti-PD-1 immunotherapy (8 min)
Xiaoping Yi; Changsha / China
RPS 1001a - Staging and response assessment in colorectal cancer

**Categories:** Contrast Media, GI Tract, Imaging Methods, Oncologic Imaging, Research

**Date:** July 14, 2022 | 14:00 - 15:00 CEST

**CME Credits:** 1

**Moderator:**
Monique Maas; Amsterdam / Netherlands

**RPS 1001a-2 - Is MRI better than MSCT in the diagnosis of preoperative T and N restaging of rectal cancer after neoadjuvant chemoradiotherapy?** (8 min)
Wenjuan Liu; Beijing / China

**RPS 1001a-3 - Clinical performance of diffusion-weighted imaging and texture analysis in predicting tumoral response to neoadjuvant chemoradiotherapy in rectal cancer patients** (8 min)
Pratik Tripathi; Wuhan / China

**RPS 1001a-4 - Predicting response to chemoradiotherapy in rectal cancer via visual assessment on baseline staging MRI: a multicentre and multireader study** (8 min)
Najim El Khababi; Amsterdam / Netherlands

**RPS 1001a-5 - Impact of MR image quality on diagnostic performance to assess response after chemoradiotherapy in rectal cancer** (8 min)
Najim El Khababi; Amsterdam / Netherlands

**RPS 1001a-6 - Dual-layer detector spectral CT imaging technology in differential diagnosis of the metastatic and non-metastatic lymph nodes in patients with colorectal cancer** (8 min)
Xing Wan; Shenzhen / China

**RPS 1001a-7 - Study on biological characteristics of rectal cancer based on double-layer detector spectral CT quantitative multi-parameter** (8 min)
Lili Wang; Lanzhou / China

**RPS 1001a-8 - Prediction of the response to neoadjuvant chemotherapy in colon cancer by CT tumour regression grading: a preliminary study** (8 min)
Hwanju Je; Daegu / Korea, Republic of
S 10 - Best of ESR Student Abstract Submission 1

Categories: Breast, Cardiac, Chest, Education, Imaging Methods, Oncologic Imaging, Students
Date: July 14, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderator:
Dragos Negru; Iasi / Romania

S 10-2 - Detection of fetal intraventricular haemorrhage - importance of EPI/T2* sequences (6 min)
Tim Dorittke; Vienna / Austria

S 10-3 - Texture analysis of early unenhanced CT for identifying pancreatic parenchymal necrosis in acute pancreatitis (6 min)
Ran Xiao; Beijing / China

S 10-4 - Severe Cerebral Small Vessel Disease Burden Associated With Brain Hypoperfusion At Baseline And Longitudinal Cognitive Decline (6 min)
Xiaoqian Zhang; Beijing / China

S 10-5 - Predicting the occurrence of artifacts in the subtraction images of DCE breast MRI before starting contrast agent administration by using artificial neural network (6 min)
Badhan Das; Erlangen / Germany

S 10-6 - Percentile-based averaging and skeletal muscle gauge improve body composition analysis: Validation at multiple vertebral levels. (6 min)
J. Peter Marquardt; Aachen / Germany

S 10-7 - Brain Responses to Four Basic Mathematical Operations in Children 10-12 Years: An fMRI Study (6 min)
Asya Istomina; Moscow / Russia

S 10-8 - Pre-treatment metastatic site-specific metabolic tumour volume is associated with clinical endpoints in patients with NSCLC receiving immunotherapy (6 min)
Daria Kifjak; Vienna / Austria

S 10-9 - Radiological evaluation of breast subcutaneous tissue thickness and correlation with postoperative complications in breast reconstruction after tissue-sparing mastectomies. (6 min)
Silvia Marello; Torino / Italy

S 10-10 - Fully Automated 3D Body Composition measurements associated with survival in Head and Neck Squamous Cell Carcinoma patients. (6 min)
S 10-11 - Less is more: The introduction of a focused diffusion-weighted magnetic resonance imaging (DWI-MRI) protocol to evaluate patients admitted with acute stroke to Sligo University Hospital (6 min)

Meadhbh Ni Mhiochain de Grae; Thurles, Tipperary / Ireland
RPS 1005 - Artificial intelligence (AI) in musculoskeletal imaging

Categories: Artificial Intelligence & Machine Learning, Imaging Informatics, Musculoskeletal
Date: July 14, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderator:
Michail Klontzas; Heraklion / Greece

RPS 1005-2 - Automated bone age assessment on a multi-site US cohort: agreement between AI and expert readers (8 min)
Matthew DiFranco; Vienna / Austria

RPS 1005-3 - Scoliosis grading from radiographs using artificial intelligence (8 min)
Abhinav Suri; Philadelphia / United States

RPS 1005-4 - Automated assessment of lower limb alignment based on artificial intelligence: An independent validation study on pre- and postoperative full leg X-rays (8 min)
Felix Erne; Tübingen / Germany

RPS 1005-5 - Added value of artificial intelligence in traumatic radiographic findings detection in emergency settings (8 min)
Alexandre Parpaleix; Paris / France

RPS 1005-6 - Automated analysis of implant alignment following total knee arthroplasty in long leg radiographs (8 min)
Matthew DiFranco; Vienna / Austria

RPS 1005-7 - Faster MR imaging with artificial intelligence: a deep learning-based approach for image reconstruction with compressed sensing for imaging of the knee (8 min)
Andra-Iza Iuga; Köln / Germany

RPS 1005-8 - Lumbar spine MRI: comparison of novel deep learning algorithm and conventional sequences on 1.5T (8 min)
Francesco Pucciarelli; Rome / Italy

RPS 1005-9 - Two-fold and three-fold acceleration of compressed sense MR imaging of the ankle using artificial intelligence (8 min)
Sarah Foreman; München / Germany

RPS 1005-10 - Automated Bilsky grading of epidural spinal cord compression on thoracic spine MRI using deep learning: initial results. (8 min)
Desmond Lim; Singapore / Singapore

RPS 1005-11 - Predicting muscular dystrophy mutations using muscle fat infiltration patterns and supervised machine learning models (8 min)
Benjamín Pizarro; Santiago / Chile

RPS 1005-12 - Evaluation of visual explanation for knee MRI pathology classifiers (8 min)
Gaspard D'Assignies; Nantes / France
IF 10 - Switching roles: the experiences and expectations of patients

Categories: Artificial Intelligence & Machine Learning, Breast, Genitourinary, Radiographers
Date: July 14, 2022 | 14:15 - 15:45 CEST
CME Credits: 1.5

Moderators:
Dominique-Gérard Carrie; Balma / France
Adrian Brady; Cork / Ireland

IF 10-3 - Presentation of the 'Patient Expectations' paper (15 min)
Cheryl Cruwys; Glanges / France

IF 10-4 - Introduction to patient stories (5 min)
Adrian Brady; Cork / Ireland

IF 10-5 - Judy’s story (5 min)
Judy Birch; Poole / UK

IF 10-6 - Adrian’s story (5 min)
Adrian Brady; Cork / Ireland

IF 10-7 - Erik’s story (5 min)
Erik Briers; Hasselt / Belgium

IF 10-8 - Cheryl’s story (5 min)
Cheryl Cruwys; Glanges / France

IF 10-9 - Dominique’s story (5 min)
Dominique-Gérard Carrière; Toulouse / France

IF 10-10 - Joliene’s story (5 min)
Joliene Munier; Eindhoven / Netherlands

IF 10-11 - Caroline’s story (5 min)
Caroline Justich; Vienna / Austria

IF 10-12 - Panel discussion: What are the expectations of the patient and are they being met? (35 min)
CUBE 10 - The use of virtual reality simulation for interventional imaging radiation protection training

**Categories:** Interventional Radiology  
**Date:** July 14, 2022 | 14:30 - 15:00 CEST  
**CME Credits:** 0.5

- The use of virtual reality simulation for interventional imaging radiation protection training (30 min)
Louise Rainford; Dublin / Ireland
CUBE 11 - Central emergencies

Categories: Interventional Radiology, Vascular
ETC Level: LEVEL II+III
Date: July 14, 2022 | 15:30 - 16:00 CEST
CME Credits: 0.5

- Central emergencies (30 min)
Panagiotis Gkoutzios; Bromley / UK
CTiR 11 - Clinical Trials in Radiology 2

Date: July 14, 2022 | 16:00 - 17:30 CEST
CME Credits: 1.5

Moderators:
Marc Dewey; Berlin / Germany
Carlo Catalano; Roma / Italy

CTiR 11-1 - Chairpersons’ introduction (10 min)
Marc Dewey; Berlin / Germany
Carlo Catalano; Rome / Italy

CTiR 11-2 - RACOON: The German nationwide Radiological Cooperative Network for imaging research on COVID-19 and beyond (8 min)
Andreas Michael Bucher; Frankfurt a. Main / Germany

CTiR 11-3 - Discussant (4 min)
Emanuele Neri; Pisa / Italy

CTiR 11-4 - Opportunistic prediction of mortality risk: the role of the chest computed tomography scan in a cohort of COVID-19 patients (8 min)
Chiara Gnasso; Milan / Italy

CTiR 11-5 - Discussant (4 min)
Rodrigo Alonso González; Madrid / Spain

CTiR 11-6 - Large vessel occlusion of the anterior circulation and low NIHSS, what should we do? A multicenter propensity score matching analysis (8 min)
Arianna Camilli; Rome / Italy

CTiR 11-7 - Discussant (4 min)
Nadya Pyatigorskaya; Paris / France

CTiR 11-8 - The effect of music on patients’ anxiety in venous catheter placements procedures: a prospective randomised controlled trial (8 min)
Florian Nima Fleckenstein; Berlin / Germany

CTiR 11-9 - Discussant (4 min)
Paolo Marra; Bergamo / Italy
CTiR 11-10 - Multireader comparison and validation of previously published MRI tumour response evaluation methods in rectal cancer (8 min)
Najim El Khababi; Amsterdam / Netherlands

CTiR 11-11 - Discussant (4 min)
Andrea Laghi; Rome / Italy

CTiR 11-12 - Learning the assessment of tumour response categories from structured radiology reports (8 min)
Matthias Alexander Fink; Heidelberg / Germany

CTiR 11-13 - Discussant (4 min)
Angel Alberich-Bayarri; Valencia / Spain
RPS 1107 - What is best to detect prostate cancer?

Categories: Artificial Intelligence & Machine Learning, Contrast Media, Genitourinary, Molecular Imaging, Oncologic Imaging

Date: July 14, 2022 | 16:00 - 17:30 CEST

CME Credits: 1.5

Moderator:
Olivio Fabrizio Donati; Zürich / Switzerland

RPS 1107-2 - The negative predictive value of PI-RADS V2 for clinically significant prostate cancer on 3T multiparametric MRI (8 min)
Qi Miao; Shenyang / China

RPS 1107-3 - Differentiation of benign prostate hyperplasia from prostate cancer based on the combination of radiomics signatures of the transition zone in mpMRI and PSA-level elevations (8 min)
Benedict Oerther; Freiburg / Germany

RPS 1107-4 - A randomised controlled trial on the role of MRI for prostate cancer screening: prostate cancer secondary screening in Sapienza, PROSA preliminary results (8 min)
Emanuele Messina; Rome / Italy

RPS 1107-5 - Biparametric versus multiparametric MR imaging of prostate imaging reporting and data system version 2.1 in detection of prostate cancer (8 min)
Ahmed Mohamed Ali Khalil Elhendy; Mansoura / Egypt

RPS 1107-6 - Towards the definition of radiomics and clinical indices to enhance malignant tumour diagnosis in PI-RADS 4 and 5 lesions (8 min)
Paolo Niccolò Franco; Milano / Italy

RPS 1107-7 - Artificial intelligence and multiparametric (mp)MRI in the assessment of prostate cancer (PCa) aggressiveness (8 min)
Laura Mercatelli; Florence / Italy

RPS 1107-8 - An impact of prior treatment with 5-alpha inhibitor on apparent diffusion coefficient values in prostate cancer differentiation (8 min)
Yulian Mytsyk; Lviv / Ukraine

RPS 1107-9 - Compare the performance of 3T mpMRI performed pre- and post-biopsy for clinically significant prostate cancer detection bases on whole-mount histopathology correlation (8 min)
Qi Miao; Shenyang / China
RPS 1107-10 - EPE-score: a comprehensive grading system for predicting pathologic extraprostatic extension of prostate cancer at multi-parametric magnetic resonance imaging (8 min)
Giulio Antonino Strazzarino; Ivrea / Italy

RPS 1107-11 - The role of ADC values in the distinction between clinically significant PCa, insignificant PCa and HPIN lesions by 3T MRI (8 min)
Georgios Agrotis; Larisa / Greece
RPS 1104 - Thoracic malignancies

**Categories:** Artificial Intelligence & Machine Learning, Chest, Imaging Methods

**Date:** July 14, 2022 | 16:00 - 17:30 CEST

**CME Credits:** 1.5

**Moderator:**
Johan Coolen; Leuven / Belgium

**RPS 1104-2 - Volume doubling times of pulmonary metastases of bone and soft tissue sarcomas: correlation with subsequent new metastases and survival after metastasectomy (8 min)**
Yura Ahn; Seoul / Korea, Republic of

**RPS 1104-3 - Pulmonary MRI with UTE: potential for improving lymph node metastasis prediction capability with and without DWI as compared with thin-section CT and PET/CT in NSCLC patients (8 min)**
Yoshiharu Ohno; Toyoake / Japan

**RPS 1104-4 - Delta-radiomics features for predicting response to immunotherapy and outcome in advanced non-small cell lung cancer patients (8 min)**
Han Xiaoyu; Wuhan / China

**RPS 1104-5 - Appropriate b value for computed DWI results in superior capability for N-stage assessment of NSCLC patients than that of actual DWI, STIR imaging and FDG-PET/CT (8 min)**
Yoshiharu Ohno; Toyoake / Japan

**RPS 1104-6 - Automatic segmentation and T-staging of oesophageal cancer using deep learning on CT images (8 min)**
Yue Wang; Jinan / China

**RPS 1104-7 - Apparent diffusion coefficient for accessing the early response to neoadjuvant chemoradiotherapy in locally advanced oesophageal cancer (8 min)**
Xiaoqian Li; Shanghai / China

**RPS 1104-8 - Non-cancerous features on chest computed tomography predict overall survival in stage I non-small cell lung cancer (NSCLC) treated with stereotactic body radiotherapy (SBRT) (8 min)**
Florian Fintelmann; Boston, MA / United States

**RPS 1104-9 - Bronchiolar adenoma/ciliated muconodular papillary tumour mimicking peripheral lung cancer: CT features of 48 cases (8 min)**
Yue Wang; Jinan / China
RPS 1104-10 - Value of dual-layer spectral detector CT for delineation of central type lung cancer in patients with atelectasis (8 min)
Yuangang Qi; Jinan / China

RPS 1104-11 - A novel algorithm for accurate lymph node metastasis prediction in synchronous multiple primary lung cancer: a multicentre study (8 min)
Wenbiao Zhang; Guangzhou / China

RPS 1104-12 - Radiomics features of neuroendocrine tumours (NET) of the lung: comparative study using different CT scans (8 min)
Eleonora Bicci; Florence / Italy
RPS 1105 - Radiology workflow evolution and new developments

- **Categories:** Imaging Informatics, Imaging Methods, Management/Leadership
- **Date:** July 14, 2022 | 16:00 - 17:30 CEST
- **CME Credits:** 1.5

**Moderator:**
Costin Aurelian Minoiu; Bucharest / Romania

- **RPS 1105-2 - Exploring automated MR logfile analysis and clinical context to quantify exam changeover time as basis for future workflow optimisation** (8 min)
  Xinyu Wang; Hamburg / Germany

- **RPS 1105-3 - Sustainability in radiology: a model of optimisation for the development of a green, ecofriendly and smart radiology** (8 min)
  Stefano Palmucci; Catania / Italy

- **RPS 1105-4 - Importance of business analytics for the re-organization of an academic hospital radiology unit during the COVID-19 pandemic** (8 min)
  Michela Polici; Rome / Italy

- **RPS 1105-5 - Structured reporting yields linguistic standardisation and semantic distinguishability of radiology reports** (8 min)
  Jan Vosshenrich; Basel / Switzerland

- **RPS 1105-6 - A novel approach to a national patient dose registry** (8 min)
  Juan Vicente Catret Mascarell; Valencia / Spain

- **RPS 1105-7 - Automated analysis of CT repeated scans in a large European hospital** (8 min)
  Niki Fitousi; Leuven / Belgium

- **RPS 1105-8 - Digital evolution of informed patient consent: added value for CT examinations** (8 min)
  Matthias Stefan May; Erlangen / Germany

- **RPS 1105-9 - A study on RECIST variability: a mathematical simulation** (8 min)
  Teresa Bucho; Amsterdam / Netherlands

- **RPS 1105-10 - AI co-pilot: content-based image retrieval for the reading of rare diseases in chest CT** (8 min)
  Mathias Meetschen; Essen / Germany
RPS 1105-11 - Contrast media reduction in CT with deep learning utilising a generative adversarial network in an experimental animal study (8 min)

Johannes Haubold; Essen / Germany
E³ 1120a - Hepatocellular carcinoma: a multidisciplinary approach in real life

**Categories:** Abdominal Viscera, GI Tract, Imaging Methods, Multidisciplinary, Oncologic Imaging

**ETC Level:** LEVEL II+III

**Date:** July 14, 2022 | 16:00 - 17:30 CEST

**CME Credits:** 1.5

**Moderator:**
Valérie Vilgrain; Clichy / France

**E³ 1120-1 - Chairperson’s introduction (5 min)**
Valérie Vilgrain; Clichy / France

**E³ 1120-2 - Diagnosis and follow-up of hepatocellular carcinoma (15 min)**
Valérie Vilgrain; Clichy / France

**E³ 1120-3 - Treatment algorithms in hepatocellular carcinoma: the hepatologist’s view (15 min)**
Peter Galle; Mainz / Germany

**E³ 1120-4 - Radiological treatment of hepatocellular carcinoma (15 min)**
Laura Crocetti; Pisa / Italy

**E³ 1120-5 - Multidisciplinary tumour board: case-based panel discussion (40 min)**
Valérie Vilgrain; Clichy / France
RPS 1116 - Pulmonary and skeletal oncology

Categories: Artificial Intelligence & Machine Learning, Chest, Imaging Methods, Musculoskeletal, Nuclear Medicine, Oncologic Imaging

Date: July 14, 2022 | 16:00 - 17:00 CEST

CME Credits: 1

Moderator:
Gianluca Milanese; Parma / Italy

RPS 1116-2 - Association between contrast-enhanced CT radiomic features and gene alterations in advanced non-small cell lung cancer patients (8 min)
Lisa Rinaldi; Varese / Italy

RPS 1116-3 - Association between contrast-enhanced CT radiomic features and prognosis in advanced non-small cell lung cancer patients (8 min)
Lisa Rinaldi; Varese / Italy

RPS 1116-4 - Performance of whole body MRI with background suppression in detecting metastatic lesions in adenocarcinoma of the lung as compared to 18F-FDG PET/CT (8 min)
Jeevitesh Khoda; New Delhi / India

RPS 1116-5 - Imaging findings and value of CT and (DCE-)MRI in monitoring denosumab therapy of giant cell tumours of bone (8 min)
Thomas Van Den Berghe; Lochristi / Belgium

RPS 1116-6 - Assessment of a targeted imaging pathway for investigation of pain in patients with known, biochemically stable multiple myeloma (8 min)
Alina Denisa Dragan; Sutton / UK

RPS 1116-7 - Prognostic value of myosteatosis assessed by computed tomography in patients with multiple myeloma (8 min)
Thierno D. Diallo; Freiburg / Germany

RPS 1116-8 - Novel free-breathing day-optimising-throughput sequences in comparison with conventional breath-hold examinations during whole-body MRI (8 min)
Vitali Koch; Frankfurt a. Main / Germany
E³ 1121 - Sport injuries

Categories: Emergency Imaging, General Radiology, Imaging Methods, Musculoskeletal
ETC Level: LEVEL II+III
Date: July 14, 2022 | 16:00 - 17:30 CEST
CME Credits: 1.5

E³ 1121-1 - Upper limb (45 min)
Igor Boric; Zabok / Croatia

E³ 1121-2 - Lower limb (45 min)
Carlo Martinoli; Genoa / Italy
E³ 1122 - Head and neck tumours in children: a multidisciplinary approach

**Categories:** Head and Neck, Imaging Methods, Multidisciplinary, Oncologic Imaging, Paediatric Imaging

**ETC Level:** LEVEL II+III

**Date:** July 14, 2022 | 16:00 - 17:30 CEST

**CME Credits:** 1.5

**Moderator:**
Rick van Rijn; Amsterdam / Netherlands

E³ 1122-1 - **Chairperson's introduction** (5 min)
Rick R. van Rijn; Amsterdam / Netherlands

E³ 1122-2 - **Role of imaging in a child with a head and neck tumour** (15 min)
Anneloes Bohté; Utrecht / Netherlands

E³ 1122-3 - **Management of a child with a head and neck tumour: the oncologist's perspective** (15 min)
Rutger Knops; Utrecht / Netherlands

E³ 1122-4 - **Use of radiation therapy in a child with a head and neck tumour** (15 min)
Geert O.R. Janssens; Utrecht / Netherlands

E³ 1122-5 - **Multidisciplinary tumour board: case-based panel discussion** (40 min)
Rick R. van Rijn; Amsterdam / Netherlands
E³ 1123 - Interventional

**Categories:** Interventional Radiology, Vascular  
**ETC Level:** LEVEL I+II  
**Date:** July 14, 2022 | 16:00 - 17:30 CEST  
**CME Credits:** 1.5

**Moderator:**  
Irene Bargellini; Pisa / Italy

**E³ 1123-1 - Chairperson's introduction** (6 min)  
Irene Bargellini; Pisa / Italy

**E³ 1123-2 - Basic principles of angiography and image-guided interventions** (28 min)  
Rene Müller-Wille; Wels / Austria

**E³ 1123-3 - Image-guided interventions in oncology** (28 min)  
Lukas Luerken; Regensburg / Germany

**E³ 1123-4 - Vascular interventions** (28 min)  
Dimitrij Kuhelj; Ljubljana / Slovenia
IF 11 - The official opening of Patients in Focus

**Categories:** General Radiology

**Date:** July 14, 2022 | 16:00 - 17:00 CEST

**CME Credits:** 1

**Moderators:**
Erik Briers; Brussels / Belgium
Regina G. H. Beets-Tan; Amsterdam / Netherlands

**IF 11-3 - Introduction to Patients in Focus** (5 min)
Regina G.H. Beets-Tan; Amsterdam / Netherlands

**IF 11-4 - My life as caretaker and becoming a patient and care-needeer** (15 min)
Erik Briers; Hasselt / Belgium

**IF 11-5 - Psychological and emotional roller coasters both for the patient and caretaker in serious life-threatening diseases** (15 min)
Katharina Gruber; Vienna / Austria

**IF 11-6 - Introduction to the Patient in Focus posters** (5 min)
Erik Briers; Hasselt / Belgium

**IF 11-7 - Panel discussion: Is the patient in focus? Should we consider liaison with other medical care professionals to support patients and caretakers/caregivers?** (20 min)
Caroline Justich; Vienna / Austria
OF 11a - Live and e-learning: filling the gap - tips and tricks of "hybrid learning"

**Categories:** Education  
**ETC Level:** LEVEL I+II  
**Date:** July 14, 2022 | 16:00 - 17:00 CEST  
**CME Credits:** 1

**Moderator:**  
Majda M. Thurnher; Vienna / Austria

**OF 11a-1 - Chairperson's introduction** (5 min)  
Majda M. Thurnher; Vienna / Austria

**OF 11a-2 - Live and e-learning: filling the gap** (25 min)  
Majda M. Thurnher; Vienna / Austria

**OF 11a-3 - Tips and tricks of "hybrid learning"** (15 min)  
Loukas G. Astrakas; Ioannina / Greece

**OF 11a-4 - Open forum discussion** (15 min)
OF 11b - CCEA: what we are doing for the radiology community?

**Categories:** Management/Leadership, Professional Issues  
**ETC Level:** LEVEL I+II  
**Date:** July 14, 2022 | 16:00 - 17:00 CEST  
**CME Credits:** 1  

**Moderator:**  
Nikoleta I. Traikova; Plovdiv / Bulgaria

**OF 11b-2 - The education of young radiologist in Ukraine** (10 min)  
Tetyana Yalynska; Kiev / Ukraine

**OF 11b-3 - The more visible radiologist** (10 min)  
Valdair F. Muglia; Ribeirao Preto / Brazil

**OF 11b-4 - To be seen: the acknowledgement of the patient as a person** (10 min)  
Evelyn Steinthaler; Vienna / Austria

**OF 11b-5 - CCEA: from the past to the future** (10 min)  
Michele Bertolotto; Trieste / Italy

**OF 11b-6 - Discussion** (20 min)
OF 11R - Top tips in oncology imaging 4: protocols for breast imaging

Categories: Breast, Contrast Media, Imaging Methods, Oncologic Imaging, Radiographers
Date: July 14, 2022 | 16:00 - 17:00 CEST
CME Credits: 1

Moderator:
Lyanne Molenaar; Amsterdam / Netherlands

OF 11R-2 - CT mammary and perforating arteries and veins: presentation radiographer (10 min)
Sevval Ertugrul; Amsterdam / Netherlands

OF 11R-3 - CT mammary and perforating arteries and veins: presentation radiologist (10 min)
Ritse M. Mann; Nijmegen / Netherlands

OF 11R-4 - Discussion (10 min)

OF 11R-5 - Breast MR: presentation radiographer (10 min)
Irene Kain; Vienna / Austria

OF 11R-6 - Breast MR: presentation radiologist (10 min)
Paola Clauser; Vienna / Austria

OF 11R-7 - Discussion (10 min)
OF 11Y - The beauty of radiology for undergraduates and young residents

Categories: Abdominal Viscera, Chest, Genitourinary, GI Tract, Students
ETC Level: LEVEL I
Date: July 14, 2022 | 16:00 - 17:00 CEST
CME Credits: 1

Moderator:
Vicky Goh; London / United Kingdom

OF 11Y-1 - Chairperson's introduction (5 min)
Vicky J. Goh; London / UK

OF 11Y-2 - Key anatomy on chest and abdominal radiographs (10 min)
Jim Zhong; Leeds / UK

OF 11Y-3 - Classical signs in chest imaging (10 min)
Anagha P. Parkar; Bergen / Norway

OF 11Y-4 - Classical signs in abdominal imaging (10 min)
Sofia Gourtsoyianni; Athens / Greece

OF 11Y-5 - Classical signs in urological imaging (10 min)
Aart J. van der Molen; Leiden / Netherlands

OF 11Y-6 - Open forum discussion: The art of classical signs. How can knowledge of classical signs improve practice? (15 min)
RC 1103 - Pros and Cons: Evaluating patients with stable cardiac chest pain: non-invasive anatomical coronary artery imaging should be the first-line investigation for all patients

Categories: Cardiac, Contrast Media, Imaging Methods, Professional Issues
ETC Level: ALL LEVELS
Date: July 14, 2022 | 16:00 - 17:00 CEST
CME Credits: 1

Moderator:
Rozemarijn Vliegenthart; Groningen / Netherlands

RC 1103-1 - Chairperson's introduction (5 min)
Rozemarijn Vliegenthart; Groningen / Netherlands

RC 1103-2 - PRO (15 min)
Fabian Bamberg; Freiburg / Germany

RC 1103-3 - CON (15 min)
Robert Manka; Zurich / Switzerland

RC 1103-4 - Panel Discussion: Is a single test sufficient in all patients? Are imaging departments ready and prepared to provide these diagnostic services? (25 min)
RC 1111 - Pros and Cons: MR spectroscopy never made it into clinical neuroradiology

Categories: Imaging Methods, Neuro, Professional Issues, Research, Translational Imaging
ETC Level: LEVEL III
Date: July 14, 2022 | 16:00 - 17:00 CEST
CME Credits: 1

Moderator:
Luc Van Den Hauwe; Ekeren / Belgium

RC 1111-1 - Chairperson's introduction (5 min)
Luc van den Hauwe; Antwerp / Belgium

RC 1111-2 - PRO (15 min)
Zoran Rumboldt; Rovinj-Rovigno / Croatia

RC 1111-3 - CON (15 min)
Dorothee P. Auer; Nottingham / UK

RC 1111-4 - Panel discussion: MR spectroscopy: dead or alive in clinical neuroradiology? (25 min)
SF 11 - My three top tips for musculoskeletal imaging

**Categories:** Imaging Methods, Musculoskeletal, Oncologic Imaging  
**ETC Level:** LEVEL II  
**Date:** July 14, 2022 | 16:00 - 17:30 CEST  
**CME Credits:** 1.5  

**Moderator:**  
Joan C. Vilanova; Girona / Spain

**SF 11-1 - Chairperson’s introduction** (5 min)  
Joan C. Vilanova; Girona / Spain

**SF 11-2 - Chondroid tumours** (8 min)  
Remide Arkun; Izmir / Turkey

**SF 11-3 - Osseous tumours** (8 min)  
Radhesh Lalam; Oswestry / UK

**SF 11-4 - Soft tissue tumours** (8 min)  
Klaus Wörtler; Munich / Germany

**SF 11-5 - Questions and discussion** (7 min)

**SF 11-6 - Rheumatoid arthritis** (8 min)  
Monique Reijnierse; Leiden / Netherlands

**SF 11-7 - Spondylarthritis (SpA)** (8 min)  
Evangelia Vassalou; Iraklion / Greece

**SF 11-8 - CRMO/CNO/SAPHO** (8 min)  
James Teh; Oxford / UK

**SF 11-9 - Questions and discussion** (7 min)

**SF 11-10 - Muscle oedema** (8 min)  
Violeta Vasilevska-Nikodinovska; Skopje / Macedonia
SF 11-11 - Bone marrow oedema (8 min)
Ilze Engele; Riga / Latvia

SF 11-12 - Questions and discussion (7 min)
TC 11 - Treatment and follow up

Categories: Breast
ETC Level: LEVEL III
Date: July 14, 2022 | 16:00 - 17:00 CEST
CME Credits: 1

Moderators:
Fiona J. Gilbert; Cambridge / United Kingdom
Emily F. Conant; Philadelphia / United States

TC 11-3 - A. Neoadjuvant breast imaging to stage and assess response (20 min)
Linda Moy; New York, NY / United States

TC 11-4 - B. Post-therapy imaging (20 min)
Julia Camps Herrero; Valencia / Spain

TC 11-5 - C. Interactive case discussion (20 min)
Linda Moy; New York, NY / United States
Julia Camps Herrero; Valencia / Spain
RPS 1111 - Neuroimaging in neurodegenerative diseases

Categories: Imaging Methods, Neuro
Date: July 14, 2022 | 16:00 - 17:30 CEST
CME Credits: 1.5

Moderator:
Jasmina Boban; Novi Sad / Serbia

RPS 1111-2 - Does macronutrient deficiency affect white matter integrity positively in elderly? Results of a DTI study (8 min)
Ahmet Kaya; Tekirdag / Turkey

RPS 1111-3 - Overloaded metal associated with plasma neurofilament light chain in Wilson’s disease (8 min)
Zihuan Huang; Guangzhou / China

RPS 1111-4 - Comparison of the accuracy of quantitative automatic and radiological imaging markers in distinguishing parkinson disease and progressive supranuclear palsy (8 min)
Francesca Mambrin; Verona / Italy

RPS 1111-5 - Right cingulum cingulate correlates with gait and cognitive impairments in Parkinson’s disease (8 min)
Xuan Wei; Beijing / China

RPS 1111-6 - A critical evaluation of hemodynamic quality by single-time-point ASL in dementia (8 min)
Valerio Natale; San Benedetto del Tronto / Italy

RPS 1111-7 - Impact of the inversion time on regional brain perfusion estimation with clinical arterial spin labelling protocols (8 min)
Francesco Sanvito; Pavia / Italy

RPS 1111-8 - Decreased cerebral blood flow and delayed arterial transit are independently associated with white matter hyperintensity (8 min)
Ruiting Zhang; Paris / France

RPS 1111-9 - Characterisation of normal-appearing white matter over 1-2 years in small vessel disease using quantitative susceptibility mapping and free-water mapping (8 min)
Yawen Sun; Shanghai / China

RPS 1111-10 - Alterations of brain networks in mild cognitive impairment: a resting-state fMRI study (8 min)
Andrei Manzhurtsev; Moscow / Russia
RPS 1111-11 - Using syMRI to explore the biological markers of brain aging (8 min)
Shasha Bao; Kunming / China
PC 11 - Optimising professional radiographers’ training

Categories: Education, Management/Leadership, Professional Issues, Radiographers, Students
Date: July 14, 2022 | 16:00 - 17:30 CEST
CME Credits: 1.5

Moderators:
Roberta Gerasia; Palermo / Italy
Berit Verbist; Leiden / Netherlands

PC 11-1 - Chairpersons’ introduction (2 min)
Roberta Gerasia; Palermo / Italy
Irina Abelskaya; Minsk / Belarus

PC 11-2 - “In house” subspecialty training: raising standards (15 min)
Francis Zarb; Msida / Malta

PC 11-3 - Multidisciplinary training opportunities (15 min)
Shane J. Foley; Dublin / Ireland
Paddy Gilligan; Dublin / Ireland

PC 11-4 - Clinical simulation to support learning (15 min)
Kurt Van Belle; Brussel / Belgium

PC 11-5 - Supporting expanding roles (15 min)
Andrew England; Cork / Ireland

PC 11-6 - Panel discussion: Does radiographers’ advanced training improve high-quality diagnosis and patient outcomes? (28 min)
E³ 1120b - Common and uncommon incidental liver lesions in non-cirrhotic patients: a multidisciplinary approach

Categories: Abdominal Viscera, GI Tract, Interventional Oncologic Radiology, Multidisciplinary, Oncologic Imaging

ETC Level: LEVEL II

Date: July 14, 2022 | 16:00 - 17:30 CEST

CME Credits: 1.5

Moderator:
Yves Menu; Paris / France

E³ 420-1 - Chairperson's introduction (5 min)
Yves Menu; Paris / France

E³ 420-2 - The incidentally discovered solid lesion: how to diagnose (15 min)
Federica Vernuccio; Palermo / Italy

E³ 420-3 - How to manage the incidentally discovered solid lesion: the radiologist's perspective (15 min)
Yves Menu; Paris / France

E³ 420-4 - How to manage the incidentally discovered solid lesion: the clinician's perspective (15 min)
Thomas Grünberger; Vienna / Austria

E³ 420-5 - Multidisciplinary tumour board: case-based panel discussion (40 min)
Yves Menu; Paris / France
- Highlights from the Mobile Film Crew Day 3

**Date:** July 15, 2022 | 02:15 - 02:30 CEST

**Moderator:**

Ben Giese
RC 1202 - Minimally invasive treatment for breast lesions

**Categories:** Breast, Imaging Methods, Oncologic Imaging  
**ETC Level:** LEVEL III  
**Date:** July 15, 2022 | 08:00 - 09:00 CEST  
**CME Credits:** 1

**Moderator:**  
Paola Clauser; Vienna / Austria

**RC 1202-1 - Chairperson's introduction** (5 min)  
Alexandra Athanasiou; Athens / Greece

**RC 1202-2 - Benign lesions: is there a role?** (15 min)  
Mercedes Torres-Tabanera; Madrid / Spain

**RC 1202-3 - B3 lesions: can we avoid surgery?** (15 min)  
Julia Camps Herrero; Valencia / Spain

**RC 1202-4 - Is surgery always the answer to managing breast cancers?** (15 min)  
Nisha Sharma; Leeds / UK

**RC 1202-5 - Panel discussion: Image-guided treatments: the time is now** (10 min)
RC 1205 - Artificial intelligence (AI) trustworthiness: from black boxes to glass boxes

Categories: Artificial Intelligence & Machine Learning, Imaging Informatics, Multidisciplinary, Professional Issues

ETC Level: LEVEL II+III

Date: July 15, 2022 | 08:00 - 09:00 CEST

CME Credits: 1

Moderator:
Nadya Pyatigorskaya; PARIS / France

RC 1205-1 - Chairperson's introduction (5 min)
Nadya Pyatigorskaya; Paris / France

RC 1205-2 - Generative adversarial networks (GAN) in medical imaging (10 min)
Ana Jiménez-Pastor; Valencia / Spain

RC 1205-3 - Minimum information about clinical artificial intelligence modelling: how to improve transparent reporting of AI algorithms (10 min)
Laurens Topff; Amsterdam / Netherlands

RC 1205-4 - Why to use manifold learning? (10 min)

RC 1205-5 - Interpretability and explainability explained (10 min)
Bas H.M. van der Velden; Utrecht / Netherlands

RC 1205-6 - Panel discussion: AI trustworthiness: from black boxes to glass boxes (15 min)
RC 1211 - Advanced MRI techniques in clinical neuroradiology

**Categories:** Imaging Methods, Neuro, Physics in Medical Imaging, Translational Imaging, Vascular

**ETC Level:** LEVEL II

**Date:** July 15, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Sven Haller; Geneve / Switzerland

**RC 1211-1 - Chairperson's introduction** (5 min)
Sven Haller; Geneva / Switzerland

**RC 1211-2 - Susceptibility weighted imaging (SWI)** (15 min)
Sven Haller; Geneva / Switzerland

**RC 1211-3 - Arterial spin labelling (ASL) perfusion** (15 min)
Vera C. Keil; Amsterdam / Netherlands

**RC 1211-4 - Zero echo time (TE) imaging** (15 min)
Emil Ljungberg; London / UK

**RC 1211-5 - Panel discussion: Which advanced techniques have found a place in clinical routine** (10 min)
RC 1213 - Advancing image-guided interventions with artificial intelligence (AI) and modelling

**Categories:** Artificial Intelligence & Machine Learning, Interventional Oncologic Radiology, Nuclear Medicine, Oncologic Imaging, Physics in Medical Imaging

**ETC Level:** LEVEL III

**Date:** July 15, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderators:**
Annalisa Trianni; Trento / Italy
Osvaldo Rampado; Turin / Italy

**RC 1213-1 - Chairperson's introduction (5 min)**
Annalisa Trianni; Trento / Italy

**RC 1213-2 - AI and biomechanical modelling for advances in image-guided focal liver ablation (15 min)**
Kristy Brock; Houston, TX / United States

**RC 1213-3 - Clinical advances in stereotactic radiofrequency ablation of liver tumours (15 min)**
Reto Bale; Innsbruck / Austria

**RC 1213-4 - US-PET/CT fusion for image fusion for guidance of thermal ablation (15 min)**
Luigi A. Solbiati; Rozzano / Italy

**RC 1213-5 - Panel discussion: What is now possible with interventional radiology? (10 min)**
RC 1214 - Pros and Cons: Patient shielding is no longer needed

**Categories:** EuroSafe Imaging/Radiation Protection, Physics in Medical Imaging, Professional Issues, Radiographers, Students  
**Date:** July 15, 2022 | 08:00 - 09:00 CEST  
**CME Credits:** 1

**Moderators:**  
Graciano Paulo; Coimbra / Portugal  
Claudio Granata; Trieste / Italy

**RC 1214-1 - Chairpersons' introduction** (6 min)  
Graciano Paulo; Coimbra / Portugal

**RC 1214-2 - PRO** (12 min)  
Philip Cosson; Teeside / UK

**RC 1214-3 - CON** (12 min)  
Mark F. McEntee; Cork / Ireland

**RC 1214-4 - Panel discussion: Patient shielding: should it stay or should it go and how to establish best clinical practice?** (30 min)  
Claudio Granata; Genoa / Italy  
Paddy Gilligan; Dublin / Ireland
RC 1201 - Oesophageal and gastric junctional cancer

**Categories:** GI Tract, Imaging Methods, Molecular Imaging, Multidisciplinary, Oncologic Imaging

**ETC Level:** LEVEL II+III

**Date:** July 15, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Jorge Brito; Faro / Portugal

**RC 1201-1 - Chairperson's introduction** (2 min)
Jorge Brito; Faro / Portugal

**RC 1201-2 - A surgeon's view on oesophageal and gastric junctional cancer** (15 min)
William Allum; London / UK

**RC 1201-3 - The role of PET/CT in oesophageal and gastric junctional cancer** (10 min)
Ahmed Ba-Ssalamah; Vienna / Austria

**RC 1201-4 - The role of CT in oesophageal and gastric junctional cancer** (10 min)
Kieran Foley; Llantrisant / UK

**RC 1201-5 - The role of MRI in oesophageal and gastric junctional cancer** (10 min)
Angela M. Riddell; London / UK

**RC 1201-6 - Panel discussion: What is the best diagnostic workup for oesophageal and gastric junctional cancer?** (13 min)
**ProCancer-I - Building bridges. From radiomics/AI research to clinical practice: the ProCancer-I vision**

**Categories:** Artificial Intelligence & Machine Learning, Genitourinary, Oncologic Imaging, Professional Issues, Research

**ETC Level:** LEVEL II+III

**Date:** July 15, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Manolis Tsiknakis; Greece

**ProCancer-I-1 - Chairpersons’ introduction (2 min)**
Manolis Tsiknakis; Iraklion / Greece

**ProCancer-I-2 - Main challenges in the adoption of radiomics/AI in clinical practice (8 min)**
Nickolas Papanikolaou; Lisbon / Portugal

**ProCancer-I-3 - Role of radiologists in radiomics/AI clinical projects (8 min)**
Daniele Regge; Turin / Italy

**ProCancer-I-4 - Discussion (42 min)**
Luis Martí-Bonmatí; Valencia / Spain
Harriet C. Thoeny; Fribourg / Switzerland
Deniz Akata; Ankara / Turkey
OF 12b - Imaging biomarkers: should we pay attention?

**Categories:** Evidence-Based Imaging, Imaging Informatics, Imaging Methods, Professional Issues  
**ETC Level:** LEVEL II  
**Date:** July 15, 2022 | 08:00 - 09:00 CEST  
**CME Credits:** 1

**Moderator:**  
Aad Van Der Lugt; Rotterdam / Netherlands

**OF 12b-2 - There is a need to measure in radiological practice: disease is present or absent: pro** (5 min)  
Maria Manuela França; Porto / Portugal

**OF 12b-3 - There is a need to measure in radiological practice: disease is present or absent: con** (5 min)  
Marion Smits; Rotterdam / Netherlands

**OF 12b-4 - Live Q&A** (10 min)

**OF 12b-5 - What is the problem with measurements? We know what we are doing: pro** (5 min)  
Xavier Golay; London / UK

**OF 12b-6 - What is the problem with measurements? We know what we are doing: con** (5 min)  
Maria Manuela França; Porto / Portugal

**OF 12b-7 - Live Q&A** (10 min)

**OF 12b-8 - Validation of biomarkers is cumbersome, boring, and not needed: pro** (5 min)  
Xavier Golay; London / UK

**OF 12b-9 - Validation of biomarkers is cumbersome, boring, and not needed: con** (5 min)  
Marion Smits; Rotterdam / Netherlands

**OF 12b-10 - Live Q&A** (10 min)
RPS 1210 - Shoulder and upper limb

Categories: EuroSafe Imaging/Radiation Protection, General Radiology, Imaging Methods, Musculoskeletal

Date: July 15, 2022 | 08:00 - 09:00 CEST

CME Credits: 1

Moderator:
Jean-Luc Drape; Paris / France

RPS 1210-2 - Occupation-ratio underestimates muscle volume in full-thickness supraspinatus tears with medial tendon retraction (8 min)
Sophia Goller; Munich / Germany

RPS 1210-3 - Accelerated TSE imaging of the shoulder using deep learning image reconstruction (8 min)
Judith Herrmann; Tuebingen / Germany

RPS 1210-4 - Optimisation of the Grashey view radiography for the critical shoulder angle measurement: a reliability assessment with zero echo-time MRI (8 min)
Üstün Aydingöz; Ankara / Turkey

RPS 1210-5 - Performances of a deep learning algorithm for the detection of fracture, dislocation, elbow joint effusion, focal bone lesions on trauma x-rays (8 min)
Nor-Eddine Regnard; Lieusaint / France

RPS 1210-6 - The deep motor branch of the ulnar nerve: high resolution ultrasound beyond the Guyon tunnel (8 min)
Luca Tovt; Genoa / Italy

RPS 1210-7 - Extensor carpi ulnaris tendon pathology and related bone marrow oedema as diagnostic markers of peripheral triangular fibrocartilage tears on wrist MRI (8 min)
Mika Nevalainen; Oulu / Finland

RPS 1210-8 - High-resolution ultrasound of post-procedural complications in carpal tunnel syndrome surgical release (8 min)
Michelle Pansecchi; Genova / Italy
RPS 1213 - Advances in CT dosimetry and radiobiology

**Categories:** EuroSafe Imaging/Radiation Protection, Physics in Medical Imaging

**Date:** July 15, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Marc Kachelrieß; Heidelberg / Germany

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**RPS 1213-2 - Risk-minimising tube current modulation (riskTCM) for CT: potential dose reduction across different tube volatges (8 min)**
Laura Klein; Heidelberg / Germany

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**RPS 1213-3 - A software program for the fully automated contouring of patient outlines for the determination of size specific dose estimate in abdominal CT: results of initial testing on 17 systems (8 min)**
Eric Pace; Msida / Malta

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**RPS 1213-4 - Effects of simvastatin/metformin therapy on double-strand breaks in human lymphocytes in vitro after diagnostic range ionising radiation (8 min)**
Dorde Komljenovic; Erlangen / Germany

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**RPS 1213-5 - Impact of x-ray exposure by single- and dual-energy CT on gene expression, DNA methylation profiles and DNA integrity in peripheral blood cells (8 min)**
Benjamin Becker; Koblenz / Germany

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**RPS 1213-6 - Feasibility of using size-specific dose estimate (SSDE) to estimate effective dose of individual patients (8 min)**
Abdullah Abuhaimed; Riyadh / Saudi Arabia

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**RPS 1213-7 - Evaluation of BMI’s (body mass index) impact on LDRL deriving from large cohort of oncology patients undergoing three phases multiregional CT (8 min)**
Agnieszka Kuchcinska; Warsaw / Poland

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**RPS 1213-8 - Evaluation of the IVIscan detector for CT scan’s wide radiation beam and radiotherapy cone-beam CT dosimetric quality control (8 min)**
Christian Popotte; Strasbourg / France
RPS 1201 - Advances in liver imaging

**Categories:** Abdominal Viscera, Contrast Media, Imaging Methods, Interventional Oncologic Radiology, Research

**Date:** July 15, 2022 | 08:00 - 09:30 CEST  
**CME Credits:** 1

**Moderator:**  
Christoph Johannes Zech; Basel / Switzerland

RPS 1201-2 - Detecting NASH and grading fibrosis in subjects with NAFLD using non-invasive imaging biomarkers (8 min)  
Salem Alsaqal; Uppsala / Sweden

RPS 1201-3 - Changes in volumetric enhancing tumour burden on CT predicts survival outcomes in patients with neuroendocrine liver metastases after intraarterial treatments (8 min)  
Roberto Cannella; Palermo / Italy

RPS 1201-4 - Gadoxetic acid-enhanced MR imaging predictors of mortality and hepatic decompensation in Chronic Liver Disease (CLD) (8 min)  
Lucian Beer; Vienna / Austria

RPS 1201-5 - Gadoxetic acid MRI in cirrhotic patients: radiologic-pathologic correlation in nodules without arterial enhancement and hepatobiliary hypointense pattern (8 min)  
Gianvito Candita; Pisa / Italy

RPS 1201-6 - MRI extracellular volume fraction in liver fibrosis: a comparison of different blood pool measurements with MR elastography and histology (8 min)  
Verena Obmann; Bern / Switzerland

RPS 1201-7 - The role of liver vessel volume ratio in chronic liver disease (8 min)  
Alexander Herold; Vienna / Austria

RPS 1201-8 - Progression of portal hypertension in acute cellular rejection after liver transplantation (8 min)  
Ji Young Choi; Seoul / Korea, Republic of

RPS 1201-9 - Liver MRI: assessment of liver cirrhosis severity with extracellular volume fraction (8 min)  
Narine Mesropyan; Bonn / Germany

RPS 1201-10 - Evaluation of hepatic tissue shrinkage after microwave ablation using Jacobian determinant (JD) (8 min)  
Gesa Pöhler; Hannover / Germany
RPS 1201-11 - Correlation of histologic, imaging, and artificial intelligence features in NAFLD patients, derived from gadoxetic acid-enhanced MRI: a proof-of-concept study (8 min)

Nina Bastati-Huber; Vienna / Austria
OF 12a - Opening the field of radiology

**Categories:** Artificial Intelligence & Machine Learning, Forensic Imaging, Management/Leadership, Physics in Medical Imaging

**ETC Level:** LEVEL II+III

**Date:** July 15, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Apostolos H. Karantanas; Heraklion / Greece

**OF 12a-1 - Chairperson’s introduction: The role of the ESR Subspecialties and Allied Sciences Committee** (5 min)
Apostolos H. Karantanas; Iraklion / Greece

**OF 12a-2 - Visibility of the radiologist: why are soft skills so important?** (10 min)
Valérie Vilgrain; Clichy / France

**OF 12a-3 - Forensic imaging: time to move forward** (10 min)
Garyfalia Ampanozi; Zurich / Switzerland

**OF 12a-4 - AI in medical physics: facts and trends** (10 min)
Habib Zaidi; Geneva / Switzerland

**OF 12a-5 - Discussion** (25 min)
RPS 1211 - Neurodegenerative diseases: dementia

Categories: Imaging Methods, Neuro
Date: July 15, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Danai Chourmouzi; Thessaloniki / Greece

RPS 1211-2 - Assessment of the superficial white matter alterations using diffusion tensor imaging and CSF biomarkers in neurodegenerative dementia (8 min)
Stefania Criscuolo; MILANO / Italy

RPS 1211-3 - Anatomically standardised detection of MRI atrophy patterns in early-stage Alzheimer’s disease (8 min)
Lukas Lenhart; Innsbruck / Austria

RPS 1211-4 - Behavioural and psychological symptoms of dementia are associated with structural brain changes in the limbic system (8 min)
Luca Melazzini; Pavia / Italy

RPS 1211-5 - European inter-societal Delphi consensus for the biomarker-based aetiological diagnosis of neurocognitive disorders (8 min)
Francesca Benedetta Pizzini; Verona / Italy

RPS 1211-6 - Qualitative and quantitative comparison of hippocampal volumetric software applications: do all roads lead to Rome? (8 min)
Stephanie Mangesius; Innsbruck / Austria

RPS 1211-7 - High-frequency repetitive transcranial magnetic stimulation induces regional cerebral blood flow changes of precuneus in Alzheimer’s disease (8 min)
Wenzhen Zhu; Wuhan / China

RPS 1211-8 - Building a comprehensive model of normal brain ageing with brain MRI, cognitive tests and machine learning (8 min)
Sarah Meribout; Constantine / Algeria
RPS 1203 - New developments in cardiac CT and calcium scoring

Categories: Cardiac, Imaging Methods, Physics in Medical Imaging
Date: July 15, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Elke Zimmermann; Berlin / Germany

RPS 1203-2 - Coronary CT angiography with photon-counting computed tomography: first-in-human results (8 min)
Salim Si-Mohamed; Lyon / France

RPS 1203-3 - Coronary stent image quality with a spectral photon counting CT: first results in humans (8 min)
Sara Boccalini; Bron / France

RPS 1203-4 - Benefit of virtual monoenergetic imaging reconstructions for coronary CT angiography on a novel dual-source photon counting detector CT: comparison with energy-integrating detector CT (8 min)
Josua Decker; Augsburg / Germany

RPS 1203-5 - Novel virtual non-contrast reconstruction for coronary calcium scoring derived from coronary CT angiography using dual-layer dual-energy CT (8 min)
Isabel Breidert; Cologne / Germany

RPS 1203-6 - Coronary CTA-based calcium scoring: in-vitro and in-vivo validation of a novel virtual non-iodine reconstruction algorithm on a clinical, first-generation photon counting-detector system (8 min)
Tilman Emrich; Charleston / United States

RPS 1203-7 - Dual-source photon-counting CT in coronary artery calcium imaging: early experience and comparison to current clinical standard (8 min)
Fides Schwartz; Durham / United States

RPS 1203-8 - Influence of mono-energetic image reconstruction levels for coronary artery calcium scoring on a dual-source photon-counting CT: a dynamic phantom study (8 min)
Marcel van Straten; Rotterdam / Netherlands
RPS 1214 - Optimising CT practice: enhancing examination outcomes

Categories: EuroSafe Imaging/Radiation Protection, Imaging Methods, Physics in Medical Imaging, Professional Issues, Radiographers

Date: July 15, 2022 | 08:00 - 09:00 CEST

CME Credits: 1

Moderators:
Francis Zarb; Msida / Malta
Lorenzo Preda; Pavia / Italy

RPS 1214-3 - Assessment of image quality and radiation dose in the study of carotid arteries by computed tomography in low-dose protocols (8 min)
Agnieszka Bylinka; Bydgoszcz / Poland

RPS 1214-4 - Contrast monitoring techniques in thoracic-abdominal CT examinations: an important and underappreciated contributor to patient dose (8 min)
Julius Verbe Zoum; Marburg / Germany

RPS 1214-5 - Cardiac CT Hi-res scan mode in stent patients (8 min)
Svea Moerup; Odense / Denmark

RPS 1214-6 - Advanced diagnostic pathway using CT coronary angiography (CTCA) for the management of a chest pain pathway in the emergency department before and during the covid pandemic: a single centre experience (8 min)
David Reidy; Limerick / Ireland

RPS 1214-7 - Detection of incidental adrenal nodules on CT by radiographers (8 min)
Sarah Camilleri; Rabat / Malta

RPS 1214-8 - A study to investigate how confident CT trained radiographers are at performing paediatric CT trauma scans (8 min)
Heather Greenberg; Cardiff / UK
RPS 1207 - Advances in urological imaging

Categories: Genitourinary  
Date: July 15, 2022 | 08:00 - 09:00 CEST  
CME Credits: 1

Moderator:  
Valeria Panebianco; Roma / Italy

RPS 1207-2 - Radiomics for the assessment of renal masses: a multicentre CT study with independent validation (8 min)  
Johannes Uhlig; Göttingen / Germany

RPS 1207-3 - Growth kinetics and progression rates of bosniak classification version 2019 class III and IV cystic renal masses on active surveillance (8 min)  
Justin Tse; Stanford / United States

RPS 1207-4 - Can shear wave elastography be a reliable non-invasive tool in diagnosis and follow-up of lupus nephritis? (8 min)  
Mohamed Ebrahem Abou El-Ghar; Mansoura / Egypt

RPS 1207-5 - Spectral attenuation curve analysis for evaluation of incidental small renal lesions using rapid kilovoltage-switching dual-energy computed tomography (8 min)  
Shanigarn Thiravit; Nonthaburi / Thailand

RPS 1207-6 - Influence of ureteral splints on the diagnosis of urinary stones and their composition in dual-energy CT: a phantom study (8 min)  
Daniel Pasqual Overhoff; Mannheim / Germany

RPS 1207-7 - Diffusion tensor imaging and tractography on non-obstructive azoospermia: a 3T observational study (8 min)  
Ourania Pappa; IOANNINA / Greece

RPS 1207-8 - Clinical low dose photon counting CT for the detection of urolithiasis: evaluation of image quality and radiation dose (8 min)  
Julius Niehoff; Minden / Germany
RPS 1216 - Gastrointestinal oncology

Categories: Abdominal Viscera, Artificial Intelligence & Machine Learning, GI Tract, Nuclear Medicine, Oncologic Imaging

Date: July 15, 2022 | 08:00 - 09:00 CEST

CME Credits: 1

Moderator:
Ioana Gabriela Lupescu; Bucharest / Romania

RPS 1216-2 - CT radiomic features of hepatic metastasis for predicting immunohistochemistry molecular classification of primary breast cancer (8 min)
Hanna Bae; Seoul / Korea, Republic of

RPS 1216-3 - Evaluation and timing optimisation of CT perfusion first pass analysis in comparison to maximum slope model in pancreatic carcinoma (8 min)
Neha Vats; Heidelberg / Germany

RPS 1216-5 - Cost-effectiveness of dual-tracer PET/CT with 18F-FDG and 11C-acetate in staging and management in patients with hepatocellular carcinoma (8 min)
Sik Kwan Chan; POKFULAM / Hong Kong SAR China

RPS 1216-6 - SSR-PET/CT compared to contrast-enhanced liver MRI in detection of liver metastases in neuroendocrine tumours (NET): a 15-year retrospective European single-centre analysis (8 min)
Freba Grawe; München / Germany

RPS 1216-7 - Texture analysis for nonlinear characterisation of 18F-FDG PET/CT images in patients with rectal cancer: comparison between tumour and peritumoural tissues (8 min)
Valerii Orel; Kyiv / Ukraine
CTiR 12 - Clinical Trials in Radiology 3

Date: July 15, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderators:
Marc Dewey; Berlin / Germany
Carlo Catalano; Roma / Italy

CTiR 12-1 - Chairpersons' introduction (10 min)
Marc Dewey; Berlin / Germany
Carlo Catalano; Rome / Italy

CTiR 12-2 - Updated DISCHARGE Trial Pretest Probability Calculator in Stable Chest Pain: Collaborative Meta-Analysis of Cardiac CT (COME-CCT) (8 min)
Viktoria Wieske; Berlin / Germany

CTiR 12-3 - Discussant (5 min)
Rozemarijn Vliegenthart; Groningen / Netherlands

CTiR 12-4 - The yield of chest x-ray or ultra-low-dose chest CT in emergency department patients suspected of non-traumatic pulmonary disease without respiratory symptoms or signs (8 min)
Inge Van Den Berk; Amsterdam / Netherlands

CTiR 12-5 - Discussant (5 min)
Mariana Benegas; Barcelona / Spain

CTiR 12-6 - COV-RADS as a classification system for the diagnosis of COVID-19 pneumonia in chest computed tomography (CT), a german nationwide multicenter validation study (8 min)
Marwin Saehn; Aachen / Germany

CTiR 12-7 - Discussant (5 min)
Monika Arzanauskaitė; Liverpool / UK
E³ 24C - Spinal disorders: how to get it right?

**Categories:** General Radiology, Imaging Methods, Musculoskeletal, Neuro, Oncologic Imaging

**ETC Level:** LEVEL I+II

**Date:** July 15, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Iwona Sudol-Szopinska; kozience / Poland

**E³ 24C-2 - Vertebral endplate** (18 min)
Filip M.H.M. Vanhoenacker; Antwerp / Belgium

**E³ 24C-3 - Vertebral body collapse** (18 min)
Radhesh Lalam; Oswestry / UK

**E³ 24C-4 - Tumours** (18 min)
Alberto Bazzocchi; Bologna / Italy

**E³ 24C-5 - Panel discussion** (6 min)
BS 12 - Radiologic anatomy: heart and great vessels

Categories: Cardiac, Vascular
ETC Level: LEVEL I+II
Date: July 15, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Christian Loewe; Vienna / Austria

BS 12-2 - Coronary anatomy: the usual and the suspect (18 min)
Marco Francone; Milan / Italy

BS 12-3 - Aorta and great arteries: where they are coming from and what can happen (18 min)
Karl-Friedrich Kreitner; Mainz / Germany

BS 12-4 - Myocardium and cardiac valves (18 min)
Rodrigo Salgado; Antwerp / Belgium

BS 12-5 - Questions and answers (6 min)
RC 1204 - Diagnostic precision in fibrotic lung disorders: lumpers and splitters

Categories: Chest, Imaging Methods, Multidisciplinary, Translational Imaging
ETC Level: LEVEL II+III
Date: July 15, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Nicola Sverzellati; Parma / Italy

RC 1204-1 - Chairperson's introduction (5 min)
Nicola Sverzellati; Parma / Italy

RC 1204-2 - Do we still need a diagnosis in fibrotic interstitial lung disease (ILD)? (15 min)
Sara Tomassetti; Florence / Italy

RC 1204-3 - HRCT features of individual fibrotic lung diseases (15 min)
Helmut Prosch; Vienna / Austria

RC 1204-4 - Longitudinal imaging metrics in the evaluation of fibrotic lung diseases (15 min)
Alexander Poellinger; Bern / Switzerland

RC 1204-5 - Panel discussion: Precision in diagnosis of fibrotic lung disorders (10 min)
CUBE 12 - To cool, to burn, to embolise

Categories: Interventional Radiology
Date: July 15, 2022 | 09:00 - 09:30 CEST
CME Credits: 0.5

- To cool, to burn, to embolise (30 min)
Filippo Piacentino; Varese / Italy
HD 3 - Highlights of the Day

Date: July 15, 2022 | 09:15 - 09:30 CEST

Moderator:
Regina G. H. Beets-Tan; Amsterdam / Netherlands
PL 2 - Digitalisation and innovation: success factors for the future

Categories: Management/Leadership, Professional Issues
ETC Level: ALL LEVELS
Date: July 15, 2022 | 09:30 - 10:00 CEST
CME Credits: 0.5

Moderator:
Regina G. H. Beets-Tan; Amsterdam / Netherlands

PL 2-2 - Digitalisation and innovation: success factors for the future (28 min)
Severin Schwan; Basel / Switzerland
CUBE 13 - Advancing the role of the sonographer in intervention

Categories: Interventional Radiology
Date: July 15, 2022 | 09:30 - 10:00 CEST
CME Credits: 0.5

- Advancing the role of the sonographer in intervention (30 min)
Gerry Johnson; Manchester / UK
RC 1308 - How to write a staging report for head and neck cancer

**Categories:** Head and Neck, Multidisciplinary, Oncologic Imaging

**ETC Level:** LEVEL II+III

**Date:** July 15, 2022 | 10:30 - 11:30 CEST

**CME Credits:** 1

**Moderator:**
Roberto Maroldi; Concesio / Italy

RC 1308-1 - Chairperson's introduction (5 min)
Roberto Maroldi; Brescia / Italy

RC 1308-2 - What does a head and neck surgeon expect from a radiological report (15 min)
Markus Brunner; Vienna / Austria

RC 1308-3 - Oral cavity, oropharyngeal, and laryngeal cancer (15 min)
Minerva Becker; Geneva / Switzerland

RC 1308-4 - Sino-nasal and nasopharyngeal cancer (15 min)
Ann D. King; Hong Kong / China

RC 1308-5 - Panel discussion: Is there a role for structured reporting in head and neck cancer staging? (10 min)
RPS 1310 - New methods for imaging spine and nerves

**Categories:** Imaging Methods, Musculoskeletal, Neuro  
**Date:** July 15, 2022 | 10:30 - 12:00 CEST  
**CME Credits:** 1.5

**Moderator:**  
Christian W.A. Pfirrmann; Zurich / Switzerland

RPS 1310-2 - Paraspinal soft tissue assessment on CT as a predictor of posterior ligament complex injury in cervical spine trauma. (8 min)  
Zerlene Lim; Birmingham / UK

RPS 1310-3 - Comparison between 2D TSE and 3D SPACE in the evaluation of craniocervical ligaments (8 min)  
Bo Mi Chung; Seoul / Korea, Republic of

RPS 1310-4 - Muscle mass index at the level of Th12 adjusted for the length of the thoracic spine as a prognostic factor for fatal outcomes among SARS-COV2 pneumonia patients (8 min)  
Andrey Bashkov; Moskow / Russia

RPS 1310-5 - Compliance with lumbar spine X-ray referral guidelines: a retrospective audit of practice at one hospital in East Dorset (UK) (8 min)  
Dise Ockri; London / UK

RPS 1310-6 - Ultrasonographic and shear-wave sonoelastographic findings of Achilles tendon in patients with seronegative spondyloarthropathy and their relationship with disease activity (8 min)  
Leila Aghaghaazvini; Tehran / Iran

RPS 1310-7 - The relative frequency of small vessel cerebrovascular disease and brain atrophy in MRI of patients with psoriasis (8 min)  
Zahra Mahboubi; Tehran / Iran

RPS 1310-8 - Comparing the elastic moduli estimations of Siemens VTQ and VTIQ shear wave elastography technology (8 min)  
Richard Rendle; Exeter / UK

RPS 1310-9 - Qualitative and quantitative evaluation of sacroiliac MRI: can Dixon sequences replace standard protocol in diagnosis of sacroilitis? (8 min)  
Nur Betül Karatoprak (Demir); Malatya / Turkey
RPS 1310-10 - Intermediate-weighted MRI with fat suppression (IW-FS): good agreement with STIR in bone marrow oedema detection and improved erosion visualisation in axial spondyloarthritis (8 min)
Min Chen; Shenzhen / China

RPS 1310-11 - Radiofrequency echographic multi spectrometry (REMS): ultrasonographic technology for bone health status assessment of the femur and spine (8 min)
Rossella Gifuni; Foggia / Italy
RC 1317 - Penetrating injuries: how to image the patient and which findings are most useful for patient management?

Categories: Abdominal Viscera, Emergency Imaging, General Radiology, Genitourinary, Interventional Radiology
ETC Level: LEVEL II+III
Date: July 15, 2022 | 10:30 - 11:30 CEST
CME Credits: 1

Moderator:
Mariano Scaglione; CastelVolturno / Italy

RC 1317-1 - Chairperson's introduction (5 min)
Mariano Scaglione; Castel Volturno / Italy

RC 1317-2 - Imaging approach in penetrating injuries (15 min)
Michael Patlas; Hamilton, ON / Canada

RC 1317-3 - Subtle injuries in penetrating trauma (15 min)
Ken Linnau; Seattle, WA / United States

RC 1317-4 - The role of interventional radiology in penetrating trauma (15 min)
Francesco Giurazza; Naples / Italy

RC 1317-5 - Panel discussion: Which is the best imaging protocol to assess penetrating injuries and to plan the intervention? (10 min)
E³ 1319a - Prostate cancer screening, early detection, and individualised management: an interdisciplinary challenge

Categories: Abdominal Viscera, Genitourinary, Imaging Methods, Multidisciplinary, Oncologic Imaging
ETC Level: LEVEL II+III
Date: July 15, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
Heinz-Peter Schlemmer; Heidelberg / Germany

E³ 1319a-1 - Chairperson's introduction (2 min)
Heinz-Peter Schlemmer; Heidelberg / Germany

E³ 1319a-2 - Screening and early detection of prostate cancer: the epidemiological and urologist's perspective (15 min)
Henk Van der Poel; Amsterdam / Netherlands

E³ 1319a-3 - Management of early-stage prostate cancer: the oncologist's perspectives on individualised management (15 min)
Andrea Necchi; Milan / Italy

E³ 1319a-4 - Opportunities, limitations, and pitfalls of imaging: the radiologist's perspective (15 min)
Heinz-Peter Schlemmer; Heidelberg / Germany

E³ 1319a-5 - Multidisciplinary tumour board: case-based panel discussion and take home messages (43 min)
Heinz-Peter Schlemmer; Heidelberg / Germany
E³ 1319b - Breast lesions with uncertain malignant potential: a multidisciplinary approach

**Categories:** Breast, Imaging Methods, Multidisciplinary, Oncologic Imaging, Professional Issues

**ETC Level:** ALL LEVELS

**Date:** July 15, 2022 | 10:30 - 12:00 CEST

**CME Credits:** 1.5

**Moderator:**
Julia Camps Herrero; Valencia / Spain

E³ 1319b-1 - Chairperson's introduction (2 min)
Julia Camps Herrero; Valencia / Spain

E³ 1319b-2 - Detection of lesions of uncertain malignant potential: relation to imaging type and biopsy method, the radiologist's perspective (15 min)
Christiane K. Kuhl; Aachen / Germany

E³ 1319b-3 - Pathological characterisation of lesions of uncertain malignant potential: how 'uncertain' is uncertain, the pathologist's perspective (15 min)
Carmen Vlahu; Amsterdam / Netherlands

E³ 1319b-4 - Should lesions of uncertain malignant potential always be excised? The breast surgeon's perspective (15 min)
Stuart McIntosh; Belfast / UK

E³ 1319b-5 - Multidisciplinary tumour board: case-based panel discussions (43 min)
Julia Camps Herrero; Valencia / Spain
Carmen Vlahu; Amsterdam / Netherlands
E³ 1320a - Pancreatic cystic lesions: a multidisciplinary approach

**Categories:** Abdominal Viscera, GI Tract, Imaging Methods, Multidisciplinary, Oncologic Imaging

**ETC Level:** LEVEL II+III

**Date:** July 15, 2022 | 10:30 - 12:00 CEST

**CME Credits:** 1.5

**Moderator:**
Nikolaos Kartalis; Stockholm / Sweden

**E³ 1320a-1 - Chairperson's introduction** (5 min)
Nikolaos Kartalis; Stockholm / Sweden

**E³ 1320a-2 - The diagnostic algorithm for imaging diagnosis of cystic pancreatic lesions** (15 min)
Nikolaos Kartalis; Stockholm / Sweden

**E³ 1320a-3 - Evaluation of cystic pancreatic lesions: lessons from the gastroenterologist** (15 min)
Thomas Seufferlein; Ulm / Germany

**E³ 1320a-4 - How to manage cystic pancreatic lesions: what the surgeon expects from the radiologist** (15 min)
Elena Rangelova; Gothenburg / Sweden

**E³ 1320a-5 - Multidisciplinary tumour board: case-based panel discussion** (40 min)
Nikolaos Kartalis; Stockholm / Sweden
E³ 1320b - Klatskin tumours: current and emerging evidence

Categories: Abdominal Viscera, GI Tract, Interventional Oncologic Radiology, Multidisciplinary, Oncologic Imaging
ETC Level: LEVEL II+III
Date: July 15, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
Filipe Caseiro Alves; Coimbra / Portugal

E³ 1320b-1 - Chairperson's introduction (5 min)
Filipe Caseiro Alves; Coimbra / Portugal

E³ 1320b-2 - Radiology for staging (15 min)
Filipe Caseiro Alves; Coimbra / Portugal

E³ 1320b-3 - Is my patient a good candidate for surgery? (15 min)
Guido Torzilli; Milan / Italy

E³ 1320b-4 - Interventional options for extrahepatic cholangiocarcinoma (15 min)
Rafael Duran; Lausanne / Switzerland

E³ 1320b-5 - Multidisciplinary tumour board: case-based panel discussion (40 min)
Filipe Caseiro Alves; Coimbra / Portugal
**E³ 1321 - Neuroradiology: an update**

**Categories:** Imaging Methods, Neuro, Oncologic Imaging, Paediatric Imaging, Vascular  
**ETC Level:** LEVEL III  
**Date:** July 15, 2022 | 10:30 - 12:00 CEST  
**CME Credits:** 1.5

**E³ 1321-1 - Intracranial infection and inflammation** (45 min)  
Paul M. Parizel; Perth, WA / Australia

**E³ 1321-2 - Imaging cranial nerves** (45 min)  
Jan Walther Casselman; Bruges / Belgium
E³ 1323 - Cardiac and vascular

Categories: Cardiac, Vascular
ETC Level: LEVEL I+II
Date: July 15, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
Marco Francone; Milan / Italy

E³ 1323-1 - Chairperson's introduction (6 min)
Marco Francone; Milan / Italy

E³ 1323-2 - Cardiovascular imaging: the basics (28 min)
Maja Hrabak Paar; Zagreb / Croatia

E³ 1323-3 - Cardiovascular imaging: myocardium and pericardium (28 min)
Jan Bogaert; Leuven / Belgium

E³ 1323-4 - Cardiovascular imaging: valves, endocardium, and aorta (28 min)
Christian Loewe; Vienna / Austria
IIQ - Around the world in 80 minutes

Categories: Abdominal Viscera, Chest, General Radiology, Genitourinary, Musculoskeletal
ETC Level: LEVEL II+III
Date: July 15, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
Yves Menu; Paris / France

IIQ-1 - Introduction (5 min)
Yves Menu; Paris / France

IIQ-2 - Trip around the world (80 min)
Luca M. Sconfienza; Milan / Italy
Valdair F. Muglia; Ribeirao Preto / Brazil
Annemiek Snoeckx; Antwerp / Belgium

IIQ-3 - Conclusion (5 min)
Yves Menu; Paris / France
OF 13a - ESR iGuide: clinical decision support for imaging referrals

Categories: EuroSafe Imaging/Radiation Protection, Evidence-Based Imaging, Imaging Informatics, Professional Issues
ETC Level: ALL LEVELS
Date: July 15, 2022 | 10:30 - 11:30 CEST
CME Credits: 1

Moderator:
Boris Brkljačić; Zagreb / Croatia

OF 13a-1 - Chairperson's introduction (10 min)
Boris Brkljačić; Zagreb / Croatia

OF 13a-2 - Medical imaging decision and support (MIDAS) study (10 min)
Thomas J. Kroencke; Augsburg / Germany

OF 13a-3 - ESR iGuide pilot project CH Vic (10 min)
Marta Serrallonga-Mercader; Barcelona / Spain

OF 13a-4 - ESR iGuide implementation: National Guard Health Affairs (10 min)
Jacob Sosna; Jerusalem / Israel

OF 13a-5 - Open forum discussion (20 min)
E³ 1318 - Gastrointestinal stromal tumours (GIST): a multidisciplinary approach

Categories: Abdominal Viscera, GI Tract, Imaging Methods, Multidisciplinary, Oncologic Imaging
ETC Level: LEVEL II+III
Date: July 15, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderators:
Daniele Regge; Torino / Italy
Giovanni Grignani; Candiolo / Italy

E³ 1318-1 - Chairpersons' introduction (5 min)
Daniele Regge; Turin / Italy
Giovanni Grignani; Candiolo / Italy

E³ 1318-2 - Systemic treatment of GIST: the oncologist (15 min)
Giovanni Grignani; Candiolo / Italy

E³ 1318-3 - Surgical management of GIST: the surgeon (15 min)
William Allum; Sutton / UK

E³ 1318-4 - Imaging of GIST: the radiologist (15 min)
Andrea Laghi; Rome / Italy

E³ 1318-5 - Multidisciplinary tumour board: case-based panel discussion (40 min)
Daniele Regge; Turin / Italy
OF 13b - Research networking: connecting with other ESR members on research projects

Categories: Research
ETC Level: LEVEL II
Date: July 15, 2022 | 10:30 - 11:30 CEST
CME Credits: 1

Moderators:
Marc Dewey; Berlin / Germany
Jaap Stoker; Amsterdam / Netherlands
Aad Van Der Lugt; Rotterdam / Netherlands

OF 13b-5 - What to consider when designing research? (6 min)
Aad van der Lugt; Rotterdam / Netherlands

OF 13b-6 - How to improve research execution? (6 min)
Gabriel P. Krestin; Rotterdam / Netherlands

OF 13b-7 - Where will machine learning lead us? (6 min)
Marc Dewey; Berlin / Germany

OF 13b-8 - How to disseminate research results? (6 min)
Jaap Stoker; Amsterdam / Netherlands

OF 13b-9 - Discussion (36 min)
SF 13 - Palliative biliary drainage and stenting

Categories: Abdominal Viscera, GI Tract, Interventional Oncologic Radiology, Interventional Radiology, Multidisciplinary
ETC Level: LEVEL II+III
Date: July 15, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
Hans Ulrich Laasch; Manchester / United Kingdom

SF 13-1 - Chairperson's introduction (5 min)
Hans-Ulrich Laasch; Manchester / UK

SF 13-2 - Indications for percutaneous transhepatic cholangiography (PTC), drainage, and stenting (30 min)
Carthage Moran; Cork / Ireland
Owen J. O'Connor; Cork / Ireland

SF 13-3 - Does stent choice matter? (18 min)
Hans-Ulrich Laasch; Manchester / UK

SF 13-4 - Complications of percutaneous transhepatic cholangiography and drainage (PTCD) and stenting (18 min)
Raman Uberoi; Oxford / UK

SF 13-5 - Panel discussion: Who should be in charge of palliative biliary decompression and how can the need for reintervention be minimised? (19 min)
E³ 1319c - Obscure gastrointestinal bleed: a multidisciplinary approach

**Categories:** Abdominal Viscera, Emergency Imaging, GI Tract, Interventional Radiology, Multidisciplinary

**ETC Level:** LEVEL II+III

**Date:** July 15, 2022 | 10:30 - 12:00 CEST

**CME Credits:** 1.5

**Moderator:**
Marc Jeffrey Gollub; New York / United States

**E³ 819a-1 - Chairperson's introduction** (2 min)
Marc J. Gollub; New York / United States

**E³ 819a-2 - Obscure GI bleed, which imaging should I use? The radiologist's perspective** (15 min)

**E³ 819a-3 - How to manage: the gastroenterologist's perspective** (15 min)

**E³ 819a-4 - How to manage: the interventional radiologist's perspective** (15 min)
Fernando Gómez Muñoz; Barcelona / Spain

**E³ 819a-5 - Multidisciplinary tumour board: case-based panel discussion** (40 min)
Marc J. Gollub; New York / United States
Fernando Gómez Muñoz; Barcelona / Spain
TF - Highlighted lectures on urological imaging

**Categories:** Genitourinary, Oncologic Imaging, Ultrasound

**ETC Level:** ALL LEVELS

**Date:** July 15, 2022 | 10:30 - 12:00 CEST

**CME Credits:** 1

**Moderator:**
Martin Reim; Tartu / Estonia

**TF-1 - Chairperson’s introduction** (5 min)
Martin Reim; Tartu / Estonia

**TF-2 - VI-RADS for bladder cancer** (20 min)
Valeria Panebianco; Rome / Italy

**TF-3 - Imaging acute scrotal pain** (20 min)
Michele Bertolotto; Trieste / Italy

**TF-4 - The role of CEUS in urogenital pathology** (20 min)
Maija Radzina; Riga / Latvia

**TF-5 - Panel discussion: The key elements of urogenital radiology** (25 min)
OF 13R - Top tips in ultrasound 1: gallbladder, biliary tree, and kidneys

Categories: Abdominal Viscera, Genitourinary, Physics in Medical Imaging, Radiographers, Ultrasound
Date: July 15, 2022 | 10:30 - 11:30 CEST
CME Credits: 1

Moderator:
Kevin Cronin; Dublin / Ireland

OF 13R-2 - Gallbladder and biliary tree ultrasound: presentation, live scanning demonstration, and questions and answer (30 min)
Ruth Reeve; Portsmouth / UK

OF 13R-3 - Renal ultrasound: presentation, live scanning demonstration, and questions and answers (30 min)
Aine Lunney; Dublin / Ireland
RPS 1304 - New insights into pulmonary abnormalities through advanced CT techniques

**Categories:** Chest, EuroSafe Imaging/Radiation Protection, Imaging Methods

**Date:** July 15, 2022 | 10:30 - 12:00 CEST

**CME Credits:** 1.5

**Moderator:**
Benedikt H Heidinger; Vienna / Austria

**RPS 1304-2 - Ultra-high-resolution photon-counting CT versus conventional HRCT of the lungs: a comparison of image quality and diagnostic impact** (8 min)
Valerie Van Ballaer; Leuven / Belgium

**RPS 1304-3 - Impact of photon-counting CT (PCCT) in the evaluation of interstitial lung disease (ILD): Preliminary experience in 29 patients** (8 min)
Martine Rémy-Jardin; Lille / France

**RPS 1304-4 - Image quality assessment of chest CT scans: Initial experiences with the first photon counting CT approved for clinical use** (8 min)
Matthias Woeltjen; Minden / Germany

**RPS 1304-5 - Pattern recognition on ultra-low-dose CT to identify the aetiology of pneumonia** (8 min)
Inge Van Den Berk; Amsterdam / Netherlands

**RPS 1304-6 - Are interstitial lung abnormalities a prognostic factor for worse outcomes in COVID-19 pneumonia?** (8 min)
Davide Colombi; Piacenza / Italy

**RPS 1304-7 - The next generation of reference books: combining content-based image retrieval with a knowledge-based diagnostic decision support system in chest CT** (8 min)
Prerana Agarwal; Freiburg / Germany

**RPS 1304-8 - Invasive pulmonary aspergillosis (IPA) in non-oncohematologic patients: differential radiological findings.** (8 min)
Sofía Ventura Díaz; Manzanares el Real / Spain

**RPS 1304-9 - Evaluation of additional silver filtration for ultra-low dose chest CT scans** (8 min)
Luuk J. Oostveen; Nijmegen / Netherlands

**RPS 1304-10 - Comparison of three digitally reconstructed radiograph models for ultra-low-dose CT images of the chest** (8 min)
Olivier Paalvast; Amsterdam / Netherlands

**RPS 1304-11 - Pulmonary tuberculosis in HIV: a study of computed tomography findings in relation to CD4 count** (8 min)
Sowmyashree K N; Kundapura / India
RPS 1314 - Radiography service considerations: COVID-19, being green and patient-focussed

Categories: Imaging Methods, Management/Leadership, Professional Issues, Radiographers
Date: July 15, 2022 | 10:30 - 11:30 CEST
CME Credits: 1

Moderators:
Moreno Zanardo; Milan / Italy
Anagha P. Parkar; Bergen / Norway

RPS 1314-3 - Mobile X-rays and COVID-19: increased utilisation of mobile X-ray during COVID-19 and the effect on radiographer dose (8 min)
Phoebe Yeung; Melbourne / Australia

RPS 1314-4 - The impact of the COVID-19 pandemic on 10 main public imaging services in Chile (8 min)
Marcelo Zenteno; Santiago / Chile

RPS 1314-5 - Professional quality of life of Nova Scotian medical radiation and imaging professionals highly willing to work during the COVID-19 pandemic: a study of compassion satisfaction and compassion fatigue (8 min)
Julie Avery; Halifax / Canada

RPS 1314-6 - An evaluation of the impact of the COVID-19 pandemic on the wellbeing of interventional radiographers in Ireland (8 min)
Michelle Murphy; Cork / Ireland

RPS 1314-7 - Chest CT protocols in COVID-19 and its influence on radiation dose (8 min)
M. Margarida Ribeiro; Lisbon / Portugal

RPS 1314-8 - Breast cancer patient viewpoint versus staff thoughts regarding mammography and radiation therapy services (8 min)
Eija Metsälä; Helsinki / Finland
RPS 1301 - Inflammatory bowel disease and perianal fistula: what's new?

**Categories:** Artificial Intelligence & Machine Learning, GI Tract, Imaging Methods, Research, Ultrasound

**Date:** July 15, 2022 | 10:30 - 12:00 CEST

**CME Credits:** 1.5

**Moderator:**
Gabriele Masselli; Rome / Italy

RPS 1301-2 - Radiomics as a tool to predict surgery at 10 years in Crohn's disease (8 min)
Antonio Bevere; Roma / Italy

RPS 1301-3 - Machine learning model incorporating computed tomography body composition features for predicting the response to mesalamine treatment in Crohn's disease (8 min)
Jinwei Zhang; Changsha / China

RPS 1301-4 - The development and value of magnetic resonance activity evaluation index without contrast agent injury in Crohn's disease (8 min)
Honghong Wu; nan jing / China

RPS 1301-5 - Prediction of active inflammation in small intestinal Crohn's disease based on MRE imaging (8 min)
Honghong Wu; nan jing / China

RPS 1301-6 - The utility of diffusion weighted images in Crohn’s disease acute flare (8 min)
Kenan Alkhalili; Boston, MA / United States

RPS 1301-7 - Submucosal fat accumulation in Crohn's disease: evaluation with sonography (8 min)
Rosa Garcia Dosda; valencia / Spain

RPS 1301-8 - Contrast-enhanced ultrasound in the assessment of Crohn’s disease activity: comparison with computed tomography enterography (8 min)
Shi-Si Ding; Shanghai / China

RPS 1301-9 - Optimizing MR enterography for inflammatory bowel disease: our initial experience in Shifa International Hospital (8 min)
Raana Kanwal; Islamabad / Pakistan

RPS 1301-10 - Quantitative approach for assessment of bowel fibrosis in patients with Crohn’s Disease (CD): MR-enterography (MRE) and DWI study (8 min)
Pavlo Osypenko; Київ / Ukraine
RPS 1301-11 - Characterisation of anal fistula with scrotal extension on magnetic resonance imaging (8 min)
Chien Phan; Ho Chi Minh city / Vietnam

RPS 1301-12 - PH sensitive, encapsulated, and natural oral contrast media for enterography exams: an in-vitro study (8 min)
Oktay Algin; Ankara / Turkey
RPS 1316 - Advanced imaging for oncology staging and follow-up

Categories: Artificial Intelligence & Machine Learning, Imaging Methods, Oncologic Imaging
Date: July 15, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
Marius E. Mayerhöfer; Wien / Austria

RPS 1316-2 - A novel non-invasive approach to cancer of unknown primary: AI can detect CT morphological differences between primary tumours and metastases across tumour types (8 min)
Zuhir Elkarghali; Amsterdam / Netherlands

RPS 1316-3 - Magnetic resonance imaging (MRI) for staging melanoma patients in direct comparison to computed tomography (CT): results from a prospective positron-emission tomography PET/CT and PET/MRI study (8 min)
Cecilia Zhang; Tuebingen / Germany

RPS 1316-4 - Identification of early CT imaging response predictors after CAR T-cell therapy (8 min)
Michael Winkelmann; Munich / Germany

RPS 1316-5 - CT-based radiomics score of PET-negative residual CT Masses: a potential biomarker for the prediction of relapse-free survival in lymphoma patients showing complete metabolic response (8 min)
Seung Ha Cha; Seoul, Seocho-gu / Korea, Republic of

RPS 1316-6 - Preliminary whole-body MRI study for evaluation of minimal residual disease in a group of multiple myeloma patients (8 min)
Valentina Angelini; Napoli / Italy

RPS 1316-7 - Ultra low dose whole-body computed tomography protocol optimisation for patients with plasma cell disorders: diagnostic accuracy and effective dose analysis from a reference centre (8 min)
Davide Tore; Asti / Italy

RPS 1316-8 - Iodine quantification on multi-vendor DECT platforms: inter-scanner variability and impact of normalisation (8 min)
Simon Lennartz; Köln / Germany

RPS 1316-9 - Investigating the validity of computed tomography low dose simulations in a prospective intra-individual in-vivo real low dose animal study on a 3rd generation dual-source scanner (8 min)
Andreas Brendlin; Tübingen / Germany
RPS 1316-10 - Optimal keV in virtual monoenergetic imaging reconstructions for the detection of hypovascularized liver metastases on a novel photon counting dual-source CT scanner: initial experience (8 min)
Josua Decker; Augsburg / Germany

RPS 1316-11 - Feasibility and dose evaluation of a dynamic liver perfusion CT protocol with latest generation scanner (8 min)
Federica Ullo; Torino / Italy

RPS 1316-12 - The affinity of Evans blue for necrotic tissue: a multimodal imaging study in animal models and preliminary investigation of the mechanism (8 min)
linpeng Yao; Hangzhou / China
RPS 1305 - Artificial intelligence (AI) in chest imaging: part 2

**Categories:** Artificial Intelligence & Machine Learning, Chest, Imaging Informatics, Oncologic Imaging
**Date:** July 15, 2022 | 10:30 - 12:00 CEST
**CME Credits:** 1.5
**Moderator:** Guillaume Chassagnon; Paris / France

**RPS 1305-2 - Overall survival prediction for stage II and stage III non-small cell lung cancer patients using a graph-based deep learning algorithm (8 min)**
Varut Vardhanabhuti; Hong Kong / Hong Kong SAR China

**RPS 1305-3 - A laboratory-medicine-like approach to the analysis of unremarkable chest radiographs using artificial intelligence (8 min)**
Thomas Weikert; Basel / Switzerland

**RPS 1305-4 - Deep learning universal lesion segmentation for automated RECIST measurements on CT: comparison to manual assessment by radiologists (8 min)**
Max De Grauw; Velp (GE) / Netherlands

**RPS 1305-5 - Lightweight techniques to improve generalisability of U-Net based segmentations of lung lobes (8 min)**
Armin Dadras; Offenbach / Germany

**RPS 1305-6 - Development and validation of a machine learning based CADx designed to improve patient management in lung cancer screening programmes (8 min)**
Charles Voyton; Valbonne / France

**RPS 1305-7 - First performance evaluation of an artificial intelligence-based computer aided detection system for pulmonary nodule evaluation in dual source photon-counting detector CT at different low dose levels (8 min)**
Lisa Jungblut; Zürich / Switzerland

**RPS 1305-8 - Reducing clinical chest X-ray reading times by using artificial intelligence to stratify worklists into normal/abnormal categories (8 min)**
K.F.M. Hergaarden; Leiden / Netherlands

**RPS 1305-9 - Development of a deep learning-based model for chest X-ray quality assessment (8 min)**
Rémi Khansa; Taissy / France

**RPS 1305-10 - AI model uncertainty for detecting pneumothorax on chest radiographs is a strong predictor for annotator confidence (8 min)**
Omar Hertgers; Den Haag / Netherlands

**RPS 1305-11 - Impact of a content-based image retrieval system on the interpretation of chest CTs of patients with diffuse parenchymal lung disease** *(8 min)*
Sebastian Röhrich; Vienna / Austria

**RPS 1305-12 - CAD significantly increases the accuracy of pulmonary nodule detection in both concurrent and second reader paradigms** *(8 min)*
Yiyuan Zhao; Chesterbrook / United States
CUBE 14 - Case studies presented through quiz

**Categories:** Interventional Radiology  
**Date:** July 15, 2022 | 10:30 - 11:00 CEST  
**CME Credits:** 0.5

- **Quiz** (30 min)  
  Salvatore Alessio Angileri; Milan / Italy
IF 13 - Physische Stärkung

Categories: Management/Leadership, Multidisciplinary, Professional Issues
Date: July 15, 2022 | 11:00 - 12:00 CEST
CME Credits: 1

Moderator:
Judith Tscheppe; Vienna / Austria

IF 13-2 - Fit und aufmerksam im Alltag (15 min)
Flavia Laterman; Vienna / Austria

IF 13-3 - Seelische und psychische Stärkung durch Nahrungsergänzungsmittel (10 min)
Georg Sprinzl; Vienna / Austria

IF 13-4 - Interview: Schulmedizin und Magnetismus - ein unschlagbares Team (10 min)
Annemarie Schratter-Sehn; Vienna / Austria
Judith Tscheppe; Vienna / Austria

IF 13-5 - Take your WINX and fly: Breite deine Flügel aus und flieg (15 min)
Florian Fitzal; Vienna / Austria
Caroline Justich; Vienna / Austria

IF 13-6 - Schreibe, um deine Seele zu treffen (10 min)
Evelyn Steinthaler; Vienna / Austria
AI 12 - Explainable AI

Categories: Artificial Intelligence & Machine Learning
Date: July 15, 2022 | 12:00 - 13:00 CEST
CME Credits: 1

Moderator:
Wim Van Hecke; icometrix / Belgium

AI 12-1 - Introduction (3 min)
Wim van Hecke; Leuven / Belgium

AI 12-2 - Explainable AI (42 min)
Bas van der Velden; Utrecht / Netherlands

AI 12-3 - Q&A (15 min)
IF 14b-1 - Zucker versus intelligenter Zucker: Nahrung zu seinen Gunsten nützen!

Categories: Management/Leadership, Multidisciplinary, Professional Issues
Date: July 15, 2022 | 12:15 - 13:30 CEST
CME Credits: 1

Moderator:
Caroline Justich; Vienna / Austria

IF 14b-2 - Geführte Meditation (10 min)
Annemarie Lombard Puntschart; Vienna / Austria

IF 14b-3 - Gesundheit durch die Kraft der Nahrung: TCM und Ernährung als Begleitung in Heilungsprozessen (10 min)
Michael Puntigam; Vienna / Austria

IF 14b-4 - Bedeutung des Blutzuckers für Krankheiten (35 min)
Johannes Coy; Otzberg / Germany

IF 14b-5 - Diskussion: Wie kann man Nahrung gezielt nutzen? Warum hat die Verwendung von intelligentem Zucker einen wesentlichen Einfluss auf die Gesundheit? (20 min)
NTC 3 - The Event

Categories: Interventional Radiology
Date: July 15, 2022 | 12:15 - 13:30 CEST

- Patient identification and follow-up (25 min)
  Andrea Ianniello; Milan / Italy

- Virtual reality in IO: applications (25 min)
  Ejona Duka; Milan / Italy

- Epic fails and creative solutions (25 min)
  Gianpaolo Carrafiello; Milan / Italy
RPS 1403 - 4D flow in cardiac MR

Categories: Cardiac, Imaging Methods, Physics in Medical Imaging, Vascular
Date: July 15, 2022 | 12:30 - 13:30 CEST
CME Credits: 1

Moderator:
Silvia Pradella; Firenze / Italy

RPS 1403-2 - Background phase correction in MR compressed sensing 4D flow (8 min)
Gert Reiter; Graz / Austria

RPS 1403-3 - Automated estimation of mean pulmonary arterial pressure from 4D-flow MRI (8 min)
Corina Kräuter; Graz / Austria

RPS 1403-4 - Scan-rescan repeatability of MR compressed sensing 4D flow assessment of aortic and pulmonary flow volumes (8 min)
Ursula Reiter; Graz / Austria

RPS 1403-5 - Compressed sensing 4D flow assessment of left ventricular flow components (8 min)
Clemens Reiter; Graz / Austria

RPS 1403-6 - Comprehensive assessment of haemodynamics before and after aortic valve replacement in an ex-vivo swine model with 4D flow MRI (8 min)
Maren Friederike Balks; Lübeck / Germany

RPS 1403-7 - 4D flow MRI for quantification of aortic regurgitation (8 min)
Fraj Bouhajja; Paris / France

RPS 1403-8 - Left atrial volume evaluation from MR 4D-flow data (8 min)
Clemens Reiter; Graz / Austria
OF 14R - Top tips in ultrasound 2: common emergency musculoskeletal referrals

**Categories:** Emergency Imaging, Musculoskeletal, Physics in Medical Imaging, Radiographers, Ultrasound

**Date:** July 15, 2022 | 12:30 - 13:30 CEST

**CME Credits:** 1

**Moderator:**
Dearbhla Kearney; Dublin 6 / Ireland

OF 14R-2 - Achilles' tendon: presentation, live scanning demonstration, and questions and answers (30 min)
Kevin Cronin; Dublin / Ireland

OF 14R-3 - Shoulder: presentation, live scanning demonstration, and questions and answers (30 min)
Kevin Cronin; Dublin / Ireland
RPS 1414 - How radiography work practices and personal wellbeing have been impacted by COVID-19

Categories: Education, Management/Leadership, Professional Issues, Radiographers
Date: July 15, 2022 | 12:30 - 13:30 CEST
CME Credits: 1

Moderators:
Mark F. F. McEntee; Cork / Ireland
Jean-François Meder; Paris / France

RPS 1414-3 - Radiographers from the frontline: the COVID-19 pandemic's effect on professionals' burnout and occupational stress level (8 min)
Dávid Sipos; Kaposvár / Hungary

RPS 1414-4 - UK obstetric sonographers' experiences of the Covid-19 pandemic: burnout, role satisfaction and impact on clinical practice (8 min)
Emily Skelton; London / UK

RPS 1414-5 - The gendered impact of the Covid-19 pandemic on medical imaging and radiation therapy academics (8 min)
Katie O'Donoghue; Cork / Ireland

RPS 1414-6 - Impact of the COVID-19 pandemic on the radiology department of a university hospital in Northern Italy (8 min)
Andrea Roletto; Lissone / Italy

RPS 1414-7 - The experiences of diagnostic radiographers through the Covid-19 pandemic (8 min)
Ruth Strudwick; Ipswich / UK

RPS 1414-8 - Organisational and occupational commitment among Australian radiographers journeying through COVID-19 (8 min)
Chandra Makanjee; Moncrieff / Australia
RT 14 - Building bridges: how to be successful in multidisciplinary research

Categories: Education, Management/Leadership, Multidisciplinary, Professional Issues, Research
ETC Level: LEVEL II+III
Date: July 15, 2022 | 12:30 - 13:30 CEST

Moderators:
Valérie Vilgrain; Clichy / France
Boris Brkljačić; Zagreb / Croatia

RT 14-1 - Chairpersons’ introduction (2 min)
Valérie Vilgrain; Clichy / France
Boris Brkljačić; Zagreb / Croatia

RT 14-2 - How do I start and successfully run a multidisciplinary clinical research (15 min)
Valérie Vilgrain; Clichy / France

RT 14-3 - Discussion (43 min)
Luis Martí-Bonmatí; Valencia / Spain
Carlo Catalano; Rome / Italy
Alberto Spinazzi; Monroe Township, NJ / United States
OF 14Y - Meet the professors: part 3

Categories: Education, General Radiology, Management/Leadership, Professional Issues, Students

ETC Level: ALL LEVELS

Date: July 15, 2022 | 12:30 - 13:30 CEST

CME Credits: 1

Moderator:
Saif Afat; Tübingen / Germany

OF 14Y-1 - Chairperson’s introduction (5 min)
Saif Afat; Tübingen / Germany

OF 14Y-2 - Making the most of opportunities: what I have learnt (20 min)
Evis Sala; Cambridge / UK

OF 14Y-3 - Why to become a radiologist in 2022?: my personal view (20 min)
Andrea Laghi; Rome / Italy

OF 14Y-4 - Discussion (15 min)
OF 14b - Collaborating on research: how can I get involved in ESR research activities?

**Categories:** Research  
**ETC Level:** LEVEL I  
**Date:** July 15, 2022 | 12:30 - 13:30 CEST  
**CME Credits:** 1

**Moderator:**  
Marc Dewey; Berlin / Germany

**OF 14b-2** - Our joint approach with subspecialty and national societies to collaboration in research  
Jaap Stoker; Amsterdam / Netherlands

**- Research Seed Grantees 2020**

**OF 14b-4** - Reliability of cardiothoracic ratio as an estimate of cardiac enlargement compared to gold standard MRI parameters  
Monika Arzanauskaite; Liverpool / UK

**OF 14b-5** - RISK - Risk Maps using T2 mapping and Diffusion MR Sequences of the Prostate  
Liliana Caldeira; Cologne / Germany

**OF 14b-6** - MRI-assessed myocardial deformation of the systemic right ventricle in patients with transposition of the great arteries  
Maja Hrabak Paar; Zagreb / Croatia

**OF 14b-7** - AI-driven MR-based imaging of tumor hypoxia  
Ieva Kurilova; Amsterdam / Netherlands

**OF 14b-8** - Spatio-temporal cardiac motion patterns in the non-invasive diagnosis of myocarditis  
Fabian C. Laqua; Greifswald / Germany

**OF 14b-9** - Optimization and validation of highly accelerated compressed sensing whole-heart 4D-Flow imaging  
Clemens Reiter; Graz / Austria

**OF 14b-10** - CT-based radiomics analysis in patients with intraductal papillary mucinous neoplasm (IPMN) of the pancreas  
David Tobaly; Clichy / France
OF 14b-11 - Integration of a Retina U-Net algorithm for the automated detection of primary lung cancer in clinical workflows (1 min)
Thomas Weikert; Basle / Switzerland

OF 14b-12 - Research Grantee 2022 Awards (5 min)
Marc Dewey; Berlin / Germany
Gabriel P. Krestin; Rotterdam / Netherlands
Marion Smits; Rotterdam / Netherlands

OF 14b-15 - Panel discussion: Ask all the questions you never dared to ask! (37 min)
OF 14a - One year fellowship: what is the gaining - tips and tricks to extract the perfume

Categories: Education
ETC Level: LEVEL I+II
Date: July 15, 2022 | 12:30 - 13:30 CEST
CME Credits: 1

Moderator:
Stéphanie Franchi-Abella; Le Kremlin-Bicêtre / France

OF 14a-1 - Chairperson's introduction (5 min)
Stéphanie Franchi-Abella; Le Kremlin-Bicêtre / France

OF 14a-2 - One year fellowship: what is the gaining (25 min)
Stephanie Nougaret; Montpellier / France

OF 14a-3 - Tips and tricks to extract the perfume (15 min)
Mathias Prokop; Nijmegen / Netherlands

OF 14a-4 - Open forum discussion (15 min)
Meets 14 - Radiology vs artificial intelligence (AI) in China

**Categories:** Artificial Intelligence & Machine Learning, Chest, Neuro, Oncologic Imaging
**ETC Level:** LEVEL II+III
**Date:** July 15, 2022 | 12:30 - 13:30 CEST
**CME Credits:** 1

**Moderators:**
Adrian Brady; Cork / Ireland
Liu Shiyuan; Shanghai / China

**Meets 14-3 - Welcome and introduction** (10 min)
Adrian Brady; Cork / Ireland
Shiyuan Liu; Shanghai / China

**Meets 14-4 - Current status and challenge of AI application in radiology in China** (20 min)
Shiyuan Liu; Shanghai / China

**Meets 14-5 - Application of AI in lung disease** (10 min)
Li Fan; Shanghai / China

**Meets 14-6 - Application of AI in cerebrovascular disease: perspective from China** (10 min)
Long Jiang Zhang; Nanjing / China

**Meets 14-7 - Application of AI in tumour management** (10 min)
Zaiyi Liu; Guangzhou / China
IF 14a - The future relationship between radiologist and patient: what do we want to see?

Categories: Artificial Intelligence & Machine Learning, General Radiology, Multidisciplinary, Professional Issues

Date: July 15, 2022 | 12:30 - 13:30 CEST

CME Credits: 1

Moderators:
Lorenzo E. Derchi; Genoa / Italy
Matti Aapro; Genolier / Switzerland

IF 14a-3 - Introduction (10 min)
Lorenzo E. Derchi; Genoa / Italy

IF 14a-4 - Oncologist and radiologist: all hands on the tumour (10 min)
Matti Aapro; Genolier / Switzerland

IF 14a-5 - Patient view: what do patients expect and patient rights (15 min)
Cheryl Cruwys; Glanges / France

IF 14a-6 - Panel discussion: How can we change the role of the radiologist to integrate them more in patient care/outpatient clinics? (25 min)
Dominique-Gérard Carrié; Toulouse / France
**E³ 30C - Cerebral manifestations of systemic diseases**

**Categories:** Abdominal Viscera, Chest, Imaging Methods, Neuro, Oncologic Imaging  
**ETC Level:** LEVEL I+II  
**Date:** July 15, 2022 | 12:30 - 13:30 CEST  
**CME Credits:** 1  

**Moderator:**  
Carlo Augusto Mallio; Roma / Italy

**E³ 30C-2 - Metabolic and toxic encephalopathies and myelopathies** (20 min)  
Massimo Caulo; Chieti / Italy

**E³ 30C-3 - Granulomatous disorders** (20 min)  
Daniel Lyndon; London / UK

**E³ 30C-4 - Intracranial metastases revisited** (20 min)  
Arian Lasocki; Melbourne, VIC / Australia
E³ 25D - Cystic neoplasms

**Categories:** Abdominal Viscera, GI Tract, Imaging Methods, Oncologic Imaging
**ETC Level:** LEVEL I+II
**Date:** July 15, 2022 | 12:30 - 13:30 CEST
**CME Credits:** 1

**Moderator:**
Riccardo Manfredi; Roma / Italy

E³ 25D-2 - Intraductal papillary neoplasms (30 min)
Byung Ihn Choi; Seoul / Korea, Republic of

E³ 25D-3 - Other cystic pancreatic neoplasms (30 min)
Giulia Zamboni; Verona / Italy
E³ 24D - MSK infection: what are the clues?

Categories: General Radiology, Imaging Methods, Musculoskeletal, Neuro
ETC Level: LEVEL I+II
Date: July 15, 2022 | 12:30 - 13:30 CEST
CME Credits: 1

Moderator:
Franz Kainberger; Vienna / Austria

E³ 24D-2 - Long bones (18 min)
Joan C. Vilanova; Girona / Spain

E³ 24D-3 - Joints (18 min)
Josef Kramer; Linz / Austria

E³ 24D-4 - Spine (18 min)
Anne Cotten; Lille / France

E³ 24D-5 - Panel discussion (6 min)
**E³ 1520 - Staging pancreatic adenocarcinoma: a multidisciplinary approach**

**Categories:** Abdominal Viscera, GI Tract, Imaging Methods, Multidisciplinary, Oncologic Imaging  
**ETC Level:** LEVEL II+III  
**Date:** July 15, 2022 | 14:00 - 15:30 CEST  
**CME Credits:** 1.5

**Moderator:**  
Giulia Zamboni; Verona / Italy

**E³ 1520-1 - Chairperson's introduction** (5 min)  
Giulia Zamboni; Verona / Italy

**E³ 1520-2 - Resection or not: what the surgeon expects from the radiologist** (15 min)  
Elena Rangelova; Gothenburg / Sweden

**E³ 1520-3 - Clinical practice guidelines for patient management: the oncologist's perspective** (15 min)  
Andres Cervantes; Valencia / Spain

**E³ 1520-4 - Preoperative and chemotherapy response assessment** (15 min)  
Giulia Zamboni; Verona / Italy

**E³ 1520-5 - Multidisciplinary tumour board: case-based panel discussion** (40 min)  
Giulia Zamboni; Verona / Italy
AI 14 - AI beyond Radiology Image Analysis

**Categories:** Artificial Intelligence & Machine Learning  
**Date:** July 15, 2022 | 14:00 - 15:00 CEST  
**CME Credits:** 1

**Moderator:**  
Alexander Böhmcker; Barcelona / Spain

**AI 14-1 - Introduction** (3 min)  
Alexander Böhmcker; Barcelona / Spain

**AI 14-2 - Panel Discussion** (57 min)  
Raymond Geis; Fort Collins / United States  
Ana Jimenez-Pastor; Valencia / Spain  
Felix Nensa; Essen / Germany
SA 15 - Immunotherapy for cancer: do patients need targeted imaging?

**Categories:** Artificial Intelligence & Machine Learning, Chest, Hybrid Imaging, Molecular Imaging, Oncologic Imaging  
**ETC Level:** LEVEL II+III  
**Date:** July 15, 2022 | 14:00 - 15:30 CEST  
**CME Credits:** 1.5

**Moderator:**  
Clarisse Dromain; Lausanne / Switzerland

**SA 15-1 - Chairperson’s introduction** (5 min)  
Gary Cook; London / UK

**SA 15-2 - Immunotherapy: an oncologist’s view** (18 min)  
Dirk De Ruysscher; Maastricht / Netherlands

**SA 15-3 - Standard imaging: limitations in assessing immunotherapy?** (18 min)  
Clarisse Dromain; Lausanne / Switzerland

**SA 15-4 - Molecular and hybrid imaging: what should we target?** (18 min)  
Egesta Lopci; Rozzano / Italy

**SA 15-5 - Predicting response to cancer immunotherapy using radiomics and artificial intelligence** (18 min)  
Stefano Trebeschi; Amsterdam / Netherlands

**SA 15-6 - Panel discussion: Is targeted imaging and artificial intelligence the way forward to personalising cancer care with immunotherapy?** (13 min)
CUBE 15 - Artificial intelligence in Interventional Oncology

**Categories:** Interventional Radiology  
**Date:** July 15, 2022 | 14:00 - 14:30 CEST  
**CME Credits:** 0.5

- *Artificial intelligence in Interventional Oncology* (30 min)  
Martina Gurgitano; Eboli / Italy
SF 15 - Strategy for primary diagnosis of prostate cancer

Categories: Genitourinary, Hybrid Imaging, Imaging Methods, Multidisciplinary, Oncologic Imaging
ETC Level: LEVEL II+III
Date: July 15, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderator:
Bernd Hamm; Berlin / Germany

SF 15-1 - Chairperson's introduction (5 min)
Bernd Hamm; Berlin / Germany

SF 15-2 - Unmet clinical needs in prostate cancer (18 min)
Henk Van der Poel; Amsterdam / Netherlands

SF 15-3 - The new role of ultrasound (18 min)
Jean-Michel Correas; Paris / France

SF 15-4 - Current and future role of multiparametric MRI (mpMRI) (18 min)
Heinz-Peter Schlemmer; Heidelberg / Germany

SF 15-5 - PSMA applicability and potential developments in primary diagnosis and characterisation of prostate cancer (18 min)
Irene A. Burger; Zurich / Switzerland

SF 15-6 - Panel discussion: From turf battles by evidence to joint patient care (13 min)
RPS 1505 - Artificial intelligence (AI) in neuroimaging

Categories: Artificial Intelligence & Machine Learning, Imaging Informatics, Neuro

Date: July 15, 2022 | 14:00 - 15:30 CEST

CME Credits: 1.5

Moderator:
Sotirios Bisdas; London / United Kingdom

RPS 1505-2 - Real-life evaluation of the AI-based neuroradiology suite mdbrain (8 min)
Jens Opalka; Berlin / Germany

RPS 1505-3 - Comparison of 3 deep learning models to perform a multiclass CT-scan segmentation of traumatic brain lesions: trained from scratch vs pre-trained vs fine-tuned (8 min)
Clément Brossard; Villeurbanne / France

RPS 1505-4 - Deep learning super-resolution MR spectroscopic imaging of brain metabolism and mutant IDH glioma (8 min)
Ovidiu Andronesi; Charlestown / United States

RPS 1505-5 - A deep learning algorithm for the automatic detection of intracranial haemorrhage on CT head imaging (8 min)
Melissa Yeo; Melbourne / Australia

RPS 1505-6 - Preoperative magnetic resonance imaging radiomics for predicting early recurrence of glioblastoma (8 min)
Xiaoping Yi; Changsha / China

RPS 1505-7 - Convolutional neural network-based segmentation of the posterior limb of the internal capsule correlates with motor outcome in very preterm neonates (8 min)
Malik Galijašević; Innsbruck / Austria

RPS 1505-8 - Application of automatic segmentation on super-resolution reconstruction MRI images of the abnormal fetal brain (8 min)
Thomas Deprest; Aalst / Belgium

RPS 1505-9 - Automated detection of MCI to Alzheimer’s disease conversion before clinical onset by evaluation of atrophy rates (8 min)
Tobias Lindig; Tübingen / Germany

RPS 1505-10 - AI-based prediction of onset of intracerebral hemorrhage: potential and limits (8 min)
RPS 1505-11 - Introduction of MRI-based AI model in prediction of MCI conversion to dementia: could it be a key to early diagnosis of Alzheimer's disease? (8 min)
Wooseok Jung; Seoul / Korea, Republic of

RPS 1505-12 - Comparative performance of AI algorithm using MRI for the diagnosis of Alzheimer’s disease: can MRI replace PET? (8 min)
Wooseok Jung; Seoul / Korea, Republic of
RPS 1502 - Early diagnosis and breast lesions characterisation

Categories: Artificial Intelligence & Machine Learning, Breast, Contrast Media, Imaging Methods, Nuclear Medicine

Date: July 15, 2022 | 14:00 - 15:30 CEST

CME Credits: 1.5

Moderator:
Elisabetta Breast Giannotti; nottingham / United Kingdom

RPS 1502-2 - Simultaneous multiparametric [18F]-fluoroethylcholine PET-MRI for the diagnosis of breast cancer (8 min)
Paola Clauser; Vienna / Austria

RPS 1502-3 - Dynamic contrast-enhanced MRI and intravoxel incoherent motion diffusion-weighted imaging for predicting breast cancer recurrence (8 min)
WanChen Tsai; Taipei / Taiwan

RPS 1502-4 - A machine learning (ML) ensemble based on radiomics to reduce the biopsy rate of ultrasound-detected suspicious breast masses (8 min)
Veronica Magni; Milano / Italy

RPS 1502-5 - Evaluation of a deep learning-based artificial intelligence system for breast asymmetry detection (8 min)
Lin Li; Shenzhen / China

RPS 1502-6 - Breast composition may predict breast cancer features and cancer-specific survival (8 min)
Ernest Ekpo; The University Of Sydney / Australia

RPS 1502-7 - Radiomics-based machine learning model improves the characterisation of BI-RADS category 4 lesions on multi-parametric breast MRI (8 min)
Shuang Zhao; Chengdu / China

RPS 1502-8 - Breast cancer in pregnancy and lactation: our experience and review of the literature (8 min)
Lisett Cruzado Quiroz; Lima / Peru

RPS 1502-9 - Digital breast tomosynthesis combined with contrast-enhanced spectral mammography helps reveal anatomic causes of artefacts and benign enhancing findings on subtracted contrast images. (8 min)
Olena Weaver; Houston / United States

RPS 1502-10 - An effective approach for breast tumour segmentation based on Mask R-CNN architecture (8 min)
Nasim Sirjani; Tehran / Iran
RPS 1502-11 - Comparison of artificial intelligence computer-aided detection enhanced synthesised mammograms versus original digital mammograms alone and in combination with tomosynthesis images (8 min)
Takayoshi Uematsu; Shizuoka / Japan
RPS 1503 - Coronary artery CT for diagnosis and prognosis

Categories: Artificial Intelligence & Machine Learning, Cardiac, Contrast Media, Hybrid Imaging, Multidisciplinary
Date: July 15, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderator:
Galit Aviram; Tel-Aviv / Israel

RPS 1503-2 - Coronary CTA versus functional testing for the diagnosis of obstructive coronary artery disease: results from the collaborative meta-analysis of Cardiac CT (COME-CCT) (8 min)
Viktoria Wieske; Berlin / Germany

RPS 1503-3 - Atherosclerotic plaque characteristics and their dynamics assessed by CT angiography in patients with acute coronary syndrome (8 min)
Alina Semenova; Moscow / Russia

RPS 1503-4 - Usefulness and clinical implications of plaque analysis and pFAI for the evaluation of cardiovascular risk (8 min)
Giulio Cabrelle; Padua / Italy

RPS 1503-5 - Can super resolution deep learning reconstruction upgrade the atheroma burden in CAD-RAS 0-2 patients? (8 min)
Mickaël Ohana; Schiltigheim / France

RPS 1503-7 - Levels of troponin T may predict the overall plaque burden of patients with chronic coronary syndrome (8 min)
Milán Vecsey-Nagy; Budapest / Hungary

RPS 1503-8 - Association between coronary artery disease and clinical outcome in cancer patients: a propensity score matching analysis (8 min)
Zengfa Huang; Wuhan / China

RPS 1503-9 - Myocardial late contrast enhancement in patients presenting with acute chest pain syndrome: focus on obstructive coronary artery disease (8 min)
Davide Vignale; Milano / Italy

RPS 1503-10 - Prevalence and extent of mitral annular dysjunction in a normal population: a comprehensive morphometric analysis on CT coronary angiography (8 min)
Smily Sharma; Amritsar / India
OF 15b - Image collection: opportunities for succeeding in imaging research

Categories: Breast, Imaging Informatics, Management/Leadership, Oncologic Imaging, Research

ETC Level: LEVEL II

Date: July 15, 2022 | 14:00 - 15:00 CEST

CME Credits: 1

Moderators:
Gabriel P. Paul Krestin; Rotterdam / Netherlands
Katrine Riklund; Umeå / Sweden

OF 15b-1 - Chairperson's introduction (5 min)
Gabriel P. Krestin; Rotterdam / Netherlands

OF 15b-2 - Magnetic resonance imaging before breast cancer surgery: results of an observational multicentre international prospective analysis (MIPA) (15 min)
Francesco Sardanelli; San Donato Milanese / Italy

OF 15b-3 - EIBIR Imaging Biobank Catalogue: find and identify datasets for imaging research (15 min)
Andrea Gutierrez; Rotterdam / Netherlands

OF 15b-4 - Succeeding in imaging research with help from EIBIR (10 min)
Peter Gordebeke; Vienna / Austria

OF 15b-5 - Open forum discussion (15 min)
E³ 1531 - Lung cancer: a multidisciplinary approach in real life

**Categories:** Chest, Interventional Oncologic Radiology, Multidisciplinary, Oncologic Imaging, Translational Imaging

**ETC Level:** LEVEL II+III

**Date:** July 15, 2022 | 14:00 - 15:30 CEST

**CME Credits:** 1.5

**Moderator:**
Helmut Prosch; Vienna / Austria

E³ 1531-1 - Chairperson's introduction (5 min)
Helmut Prosch; Vienna / Austria

E³ 1531-2 - Treatment pathways in advanced stage lung cancer: thoracic oncologist (10 min)
Nicolas Girard; Paris / France

E³ 1531-3 - Diagnosis, staging, and restaging of lung cancer after immunotherapy (15 min)
Helmut Prosch; Vienna / Austria

E³ 1531-4 - Radiological treatment of lung cancer: interventional oncology (15 min)
Carole A. Ridge; Dublin / Ireland

E³ 1531-5 - Multidisciplinary tumour board: case-based panel discussion (45 min)
Helmut Prosch; Vienna / Austria
Mir Ali Reza Hoda; Vienna / Austria
Joachim Widder; Vienna / Austria
RPS 1511 - Acute stroke

Categories: Imaging Methods, Interventional Radiology, Neuro, Vascular
Date: July 15, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderator:
Saif Afat; Tübingen / Germany

RPS 1511-2 - Cost-effectiveness of endovascular thrombectomy in childhood stroke: an analysis of the Save ChildS Study (8 min)
Wolfgang Gerhard Kunz; Munich / Germany

RPS 1511-3 - Prevalence and clinical outcome of remnant occlusion at superior cerebellar artery after mechanical thrombectomy for basilar artery occlusion (8 min)
Byung Hyun Baek; Gwangju / Korea, Republic of

RPS 1511-4 - Altered resting state cerebral blood flow, functional connectivity strength and neurovascular coupling in patients with pontine infarction (8 min)
Ying Wei; Henan / China

RPS 1511-5 - Clinical utility of arterial spin labelling perfusion images in the emergency department for the work-up of stroke-like symptoms (8 min)
Karen Buch; Boston, MA / United States

RPS 1511-6 - Assessment of MR perfusion software packages in predicting final infarct volume after mechanical thrombectomy (8 min)
Alexandre Bani Sadr; Lyon / France

RPS 1511-7 - Intracranial carotid artery calcification subtype and collaterals in patients undergoing endovascular thrombectomy (8 min)
Sven Luijten; Rotterdam / Netherlands

RPS 1511-8 - Is the optimal Tmax threshold identifying perfusion deficit volumes variable across MR perfusion software packages? A pilot study (8 min)
Alexandre Bani Sadr; Lyon / France

RPS 1511-9 - Value of CT perfusion imaging in outcome prediction in patients with basilar artery occlusion (8 min)
Matthias Fabritius; Munich / Germany
RPS 1511-12 - Haemorrhagic transformation rates following contrast media administration in patients hospitalised with ischaemic stroke (8 min)
Franklin Moser; Los Angeles / United States
RT 15 - Building bridges: the role of the radiologist in 2030

**Categories:** Education, General Radiology, Management/Leadership, Professional Issues

**ETC Level:** LEVEL II+III

**Date:** July 15, 2022 | 14:00 - 15:00 CEST

**CME Credits:** 1

**Moderators:**
Regina G. H. Beets-Tan; Amsterdam / Netherlands
Adrian Brady; Cork / Ireland

**RT 15-1 - Chairpersons' introduction** (2 min)
Regina G.H. Beets-Tan; Amsterdam / Netherlands
Adrian Brady; Cork / Ireland

**RT 15-2 - The new role of the radiologist: report from the ESR survey** (13 min)
Andrea G. Rockall; London / UK

**RT 15-3 - Panel discussion: Radiology in 2030: how will we need to practice adding value to the patient?** (45 min)
Andrea G. Rockall; London / UK
Emile Voest; Amsterdam / Netherlands
Geerard L. Beets; Amsterdam / Netherlands
RPS 1514 - The impact of software and technology advances for radiographic practice

Categories: Artificial Intelligence & Machine Learning, Education, Imaging Methods, Professional Issues, Radiographers

Date: July 15, 2022 | 14:00 - 15:00 CEST

CME Credits: 1

Moderators:
Jaka Potočnik; Dublin / Ireland
Luis Donoso Bach; Barcelona / Spain

RPS 1514-3 - Evaluation of European based radiographers' knowledge and attitude towards implementation of Artificial Intelligence in radiography (8 min)
Sarah Coakley; Cork / Ireland

RPS 1514-4 - Artificial Intelligence: Society of Radiographers UK professional guidance (8 min)
Tracy O'Regan; Rochdale / UK

RPS 1514-5 - Radiographers' perceptions of the impact of artificial intelligence on radiology (8 min)
Vitale Floriana; NA / Italy

RPS 1514-6 - AIRx: augmenting the teaching of radiography using artificial intelligence (8 min)
Jerome Schmid; Geneva / Switzerland

RPS 1514-7 - Experiences of students and educators related to a postgraduate introductory module in artificial intelligence for radiographers (8 min)
Christina Malamateniou; London / UK

RPS 1514-8 - 3D-printed heart phantoms for automatic measurement of left ventricular volume (8 min)
Martin Kusk; Esbjerg / Denmark
**RPS 1509 - Percutaneous non-vascular interventions: minimal invasive and maximal effective**

**Categories:** Interventional Oncologic Radiology, Interventional Radiology, Multidisciplinary, Oncologic Imaging, Research

**Date:** July 15, 2022 | 14:00 - 15:30 CEST

**CME Credits:** 1.5

**Moderator:**
Thomas Albrecht; Berlin / Germany

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**RPS 1509-2 - Improved visualisation of hepatic tumours in magnetic resonance guided thermoablation using T1 inversion-recovery imaging compared to T1 volume-interpolated breath-hold sequence** (8 min)

Jens Kuebler; Tübingen / Germany

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**RPS 1509-3 - Clinical application value of contrast-enhanced ultrasonography after microwave ablation of thyroid nodules** (8 min)

shuainan shi; Shanghai / China

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**RPS 1509-4 - Novel needle-guiding robotic system for percutaneous minimally invasive procedures: a technical feasibility study** (8 min)

Jurgen J. Futterer; Nijmegen / Netherlands

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**RPS 1509-5 - The role of volumetric assessment in predicting the success of percutaneous transhepatic biliary drainage in inoperable Klatskin tumours** (8 min)

Gülsüm Bahadır; ANKARA / Turkey

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**RPS 1509-6 - Risk of persistent air leaks following percutaneous cryoablation and microwave ablation of peripheral lung tumours: a bi-institutional retrospective study** (8 min)

Florian Fintelmann; Boston, MA / United States

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**RPS 1509-7 - US-CT fusion-guided percutaneous radiofrequency ablation of large substernal benign thyroid nodules** (8 min)

Umberto Viglino; Genoa / Italy

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**RPS 1509-8 - MRI-guided transurethral ultrasound ablation (TULSA) for the treatment of benign prostatic hyperplasia: early outcomes** (8 min)

Cameron Wright; Hamburg / Germany

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**RPS 1509-9 - 12-month functional and oncological outcomes of salvage TULSA for localised radio-recurrent prostate cancer** (8 min)

Cameron Wright; Hamburg / Germany
RPS 1509-10 - Percutaneous tumour ablation guided by electromagnetic navigation system: a retrospective study (8 min)
Sofía Ventura Díaz; Manzanares el Real / Spain

RPS 1509-11 - Multi-institutional study on safety and effectiveness of percutaneous RF, MW and cryo-ablation for T1 renal cancers: which is the best imaging guide? (8 min)
Lorenzo Bertolotti; PARMA / Italy

RPS 1509-12 - Efficacy of contrast-enhanced ultrasound-guided percutaneous core needle biopsy in anterior mediastinal masses (8 min)
Pei-li Fan; Shanghai / China
RPS 1512 - Imaging the paediatric chest and abdomen: optimisation and future perspectives

Categories: Abdominal Viscera, Artificial Intelligence & Machine Learning, Chest, Genitourinary, GI Tract, Paediatric Imaging

Date: July 15, 2022 | 14:00 - 15:30 CEST

CME Credits: 1.5

Moderator:
Dilyana Baleva; Mistelbach / Austria

RPS 1512-2 - Ultrasound-guided percutaneous renal biopsy in paediatric population (8 min)
Aleksandar Zafirovski; Kočevje / Slovenia

RPS 1512-3 - Impact of improved protocol on the percutaneous renal biopsy complications in children (8 min)
Aleksandar Zafirovski; Kočevje / Slovenia

RPS 1512-4 - Static and functional MR urography as a comparison with renal scintigraphy in paediatric patients (8 min)
Seckin Cobanoglu; Istanbul / Turkey

RPS 1512-5 - MaRIA and Clermont MR enterography indices correlate with degree of mucosal healing in paediatric Crohn’s disease (8 min)
Maria Gladkikh; Ottawa / Canada

RPS 1512-6 - Semi-quantitative and quantitative assessment of multiphase contrast-enhanced MRI and diffusion-weighted imaging in paediatric Crohn’s disease (8 min)
Maria Gladkikh; Ottawa / Canada

RPS 1512-7 - Reference ranges of age based portal vein, renal vein and vena cava inferior size in children in conjunction with waist circumference (8 min)
Zuhal Bayramoglu; Istanbul / Turkey

RPS 1512-8 - Development of deep-learning AI algorithm for detecting ileocolic intussusception on ultrasonography in children (8 min)
Jae-Yeon Hwang; Seoul / Korea, Republic of

RPS 1512-9 - The role of Doppler waveform indices of the foetal main pulmonary artery in the prediction of neonatal respiratory distress syndrome - a prospective cohort study (8 min)
Arjun Prakash; Bengaluru / India

RPS 1512-10 - Scoping review of the utilisation of lung ultrasound in paediatric COVID-19 (8 min)
Yusuf Nawawi; Surakarta / Indonesia
RPS 1512-11 - Automated airway-artery analysis in evaluating the effect of inhaled hypertonic saline in preschool children with cystic fibrosis (8 min)
Yuxin Chen; Rotterdam / Netherlands

RPS 1512-12 - Diagnostic accuracy of ultrasound for confirmation of peripherally inserted central catheter tips (PICC's) in infants in the neonatal intensive care unit (NICU) - a systematic review and meta-analysis (8 min)
Shauna Doyle; Cork / Ireland
OF 15R - Top tips in ultrasound 3: thyroid and lower extremity venous ultrasound

**Categories:** Emergency Imaging, Physics in Medical Imaging, Radiographers, Ultrasound, Vascular

**Date:** July 15, 2022 | 14:00 - 15:00 CEST

**Moderator:**
Ruth Reeve; Fareham / United Kingdom

**OF 15R-2 - Thyroid ultrasound: presentation, live scanning demonstration, and questions and answers (30 min)**
Gerry Johnson; Manchester / UK

**OF 15R-3 - Lower extremity venous ultrasound: presentation, live scanning demonstration, and questions and answers (30 min)**
Gerald Orpen; Dublin / Ireland
OF 15Y - Communication with patients

**Categories:** Education, Multidisciplinary, Professional Issues, Research, Students

**ETC Level:** LEVEL I

**Date:** July 15, 2022 | 14:00 - 15:00 CEST

**CME Credits:** 1

**Moderators:**
Erik Briers; Brussels / Belgium
Cheryl Cruwys; Haute Vienne / France

OF 15Y-3 - Introduction (5 min)
Erik Briers; Hasselt / Belgium

OF 15Y-4 - What radiologists, young and old, need to know about patients’ expectations (10 min)
Cheryl Cruwys; Glanges / France
Dominique-Gérard Carrié; Toulouse / France

OF 15Y-5 - Tips and tricks for young radiologists in communication with patients: a clinical radiologist experience (10 min)
Dominique-Gérard Carrié; Toulouse / France

OF 15Y-6 - The important role of a radiologist as an innovative gatekeeper and how their workflow can be improved (10 min)
Judy Birch; Poole / UK

OF 15Y-7 - Panel discussion: To communicate or not to communicate: are we satisfied with the level and quality of communication with patients and radiologists in the radiology department? (25 min)
**RC 1510 - Maxillofacial and dental imaging**

**Categories:** Head and Neck, Imaging Methods, Multidisciplinary, Musculoskeletal

**ETC Level:** LEVEL II+III

**Date:** July 15, 2022 | 14:00 - 15:00 CEST

**CME Credits:** 1

**Moderators:**
Filip M. Vanhoenacker; Bonheiden / Belgium  
Felix Pierre Kuhn; Zürich / Switzerland

**RC 1510-1 - Chairpersons' introduction (5 min)**
Filip M.H.M. Vanhoenacker; Antwerp / Belgium  
Félix Pierre Kuhn; Zurich / Switzerland

**RC 1510-2 - What does the clinician expect from the radiologist? (15 min)**
Danisia Haba; Iasi / Romania

**RC 1510-3 - Pre-and postimplant imaging of dental implants (15 min)**
Anja Bernaerts; Antwerp / Belgium

**RC 1510-4 - Dental and skeletal imaging in forensic age estimation (15 min)**
Jannick De Tobel; Leuven / Belgium

**RC 1510-5 - Panel discussion: How to improve multidisciplinary cooperation between dentists, oral surgeons, (musculoskeletal and head and neck) radiologists, and pathologists? (10 min)**
E³ 1532 - Bladder cancer: a multidisciplinary approach

Categories: Genitourinary, Multidisciplinary, Oncologic Imaging
ETC Level: LEVEL II+III
Date: July 15, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderator:
Valeria Panebianco; Roma / Italy

E³ 1532-1 - Chairperson's introduction (5 min)
Valeria Panebianco; Rome / Italy

E³ 1532-2 - Management of bladder cancer: from bench to bedside (15 min)
Shahrokh F. Shariat; Vienna / Austria

E³ 1532-3 - New frontiers for advanced bladder cancer care (20 min)
Andrea Necchi; Milan / Italy

E³ 1532-4 - Emerging role of MRI (20 min)
Hebert Alberto Vargas; New York, NY / United States

E³ 1532-5 - Multidisciplinary tumour board: case-based panel discussion (30 min)
Valeria Panebianco; Rome / Italy
**E³ 1521a - Cross-sectional imaging of bone metastases**

**Categories:** General Radiology, Imaging Methods, Musculoskeletal, Oncologic Imaging  
**ETC Level:** LEVEL II  
**Date:** July 15, 2022 | 14:00 - 15:30 CEST  
**CME Credits:** 1.5

**E³ 1521a-1 - Is it a bone metastasis (incidental lesions)?** (45 min)  
Sabine Weckbach; Heidelberg / Germany

**E³ 1521a-2 - Dedicated whole-body staging for bone metastases** (45 min)  
Giuseppe Petralia; Milan / Italy
IF 15 - Be accepted launch

Categories: Breast, Education, Management/Leadership, Multidisciplinary, Professional Issues
Date: July 15, 2022 | 14:30 - 15:30 CEST
CME Credits: 1

Moderator:
Michael Fuchsjäger; Graz / Austria

IF 15-2 - Einführung durch den ESR Vorsitzenden (5 min)
Michael H. Fuchsjäger; Graz / Austria

IF 15-3 - Wie ich vom Himmel fiel (15 min)
Annemarie Lombard Puntschart; Vienna / Austria

IF 15-4 - Entspannungseinheit (10 min)
Annemarie Lombard Puntschart; Vienna / Austria

IF 15-5 - Launch von "Be accepted" (30 min)
Caroline Justich; Vienna / Austria
Michael H. Fuchsjäger; Graz / Austria
Rupert Bartsch; Vienna / Austria
CUBE 16 - Onco emergencies

Categories: Interventional Radiology
Date: July 15, 2022 | 15:30 - 16:00 CEST
CME Credits: 0.5

- Onco emergencies (30 min)
Anna Maria Ierardi; Milan / Italy
RPS 1611 - Neuroimaging in brain tumours

**Categories:** Imaging Methods, Neuro, Nuclear Medicine, Oncologic Imaging

**Date:** July 15, 2022 | 16:00 - 17:30 CEST

**CME Credits:** 1.5

**Moderator:**
Danai Chourmouzi; Thessaloniki / Greece

RPS 1611-2 - Dural angioleiomyoma: a new tumour type with frequent GJA4 mutation and a distinct DNA methylation profile (8 min)
Thibaut Pierre; Paris / France

RPS 1611-3 - Clinical applicability of whole brain SLOW-editing compared to MEGA-editing for the evaluation of the IDH-mutation status in glioma patients at 7T (8 min)
Guodong Weng; Bern / Switzerland

RPS 1611-4 - Conventional MRI features can predict the molecular subtype of adult grade 2-3 intracranial diffuse gliomas (8 min)
Arian Lasocki; Melbourne / Australia

RPS 1611-5 - The impact of tumour location on survival in glioblastoma patients (8 min)
Ahmad Amer; Chicago, IL / United States

RPS 1611-6 - Histologic validation of multi-echo perfusion MRI to evaluate brain tumour microstructure (8 min)
Francesco Sanvito; Pavia / Italy

RPS 1611-7 - Radiological and pathological predictors of post-surgical evolution of pituitary neuroendocrine tumours. A retrospective analysis of 125 patients (8 min)
José Miguel Castro; Alicante / Spain

RPS 1611-8 - Comparative diagnostic accuracy of amide proton transfer-weighted imaging and dynamic susceptibility contrast perfusion in the distinction between brain radiation necrosis and tumour progression (8 min)
Mehdi Bensemain; Nancy / France

Sophie Veldhuijzen van Zanten; Rotterdam / Netherlands

RPS 1611-10 - Do we match? An evaluation of the T2/FLAIR mismatch sign for oligodendroglioma diagnosis (8 min)
Julia Brunelli; Sao Paulo / Brazil

RPS 1611-11 - Effect of radiation therapy on meningioma enhancement on PET CT (8 min)
Dylan Abeysekera; Houston / United States
E³ 1619 - Building bridges between research and clinics in AI: a multidisciplinary approach

Categories: Artificial Intelligence & Machine Learning, General Radiology, Multidisciplinary, Professional Issues

ETC Level: ALL LEVELS

Date: July 15, 2022 | 16:00 - 17:30 CEST

CME Credits: 1.5

Moderators:
Monique Maas; Amsterdam / Netherlands
Zuhir Elkarghali; Amsterdam / Netherlands

E³ 1619-1 - Chairperson's introduction (2 min)
Monique Maas; Amsterdam / Netherlands
Zuhir Elkarghali; Amsterdam / Netherlands

E³ 1619-2 - Rising role in the Dutch clinical workflow and research: the clinical technologist's perspective (15 min)
Jordy van Zandwijk; Enschede / Netherlands

E³ 1619-3 - Clinical implementation of AI algorithm: opportunities and challenges, experience from a radiology department (15 min)
Laurens Topff; Amsterdam / Netherlands

E³ 1619-4 - Multidisciplinary collaboration in radiomics research (15 min)
Raquel Perez-Lopez; Barcelona / Spain

E³ 1619-5 - Case-based panel discussions (43 min)
Jordy van Zandwijk; Enschede / Netherlands
Laurens Topff; Amsterdam / Netherlands
Raquel Perez-Lopez; Barcelona / Spain
**E³ 1621 - Imaging of the retroperitoneum**

**Categories:** Abdominal Viscera, Genitourinary, GI Tract, Oncologic Imaging  
**ETC Level:** LEVEL II  
**Date:** July 15, 2022 | 16:00 - 17:30 CEST  
**CME Credits:** 1.5

**E³ 1621-1 - Retroperitoneal lesions (45 min)**  
Subramaniyan Ramanathan; Doha / Qatar

**E³ 1621-2 - Subperitoneal, perirectal and deep pelvic lesions (45 min)**  
Mustafa Secil; Izmir / Turkey
E³ 1632 - Ovarian cancer: a multidisciplinary approach

**Categories:** Abdominal Viscera, Artificial Intelligence & Machine Learning, Genitourinary, Multidisciplinary, Oncologic Imaging

**ETC Level:** LEVEL II+III

**Date:** July 15, 2022 | 16:00 - 17:30 CEST

**CME Credits:** 1.5

**Moderator:**
Evis Sala; Cambridge / United Kingdom

**E³ 1632-1 - Chairperson's introduction (5 min)**
Evis Sala; Cambridge / UK

**E³ 1632-2 - Unanswered questions in ovarian cancer: the oncologist (15 min)**
James D. Brenton; Cambridge / UK

**E³ 1632-3 - Imaging of peritoneal carcinomatosis (20 min)**
Stephanie Nougaret; Montpellier / France

**E³ 1632-4 - Radiomics for assessing tumour heterogeneity and predicting outcome (20 min)**
Ramona Woitek; Cambridge / UK

**E³ 1632-5 - Multidisciplinary tumour board: case-based panel discussion (30 min)**
Evis Sala; Cambridge / UK
**EFRS WS - Building our professional evidence-base**

**Categories:** Education, Evidence-Based Imaging, Professional Issues, Radiographers, Research  
**Date:** July 15, 2022 | 16:00 - 17:30 CEST  
**CME Credits:** 1.5  

**Moderator:**  
Jonathan McNulty; Dublin / Ireland

**EFRS WS-1 - Chairperson's introduction: Why it is essential that we all engage with research**  
(10 min)  
Jonathan McNulty; Dublin / Ireland

**EFRS WS-2 - Publishing in a peer-review journal: taking your first steps**  
(20 min)  
Svea Deppe Mørup; Odense / Denmark

**EFRS WS-3 - Reviewing for a peer-review journal: getting started and top tips**  
(20 min)  
Nick Courtier; Cardiff / UK

**EFRS WS-4 - Engaging with peer-review journals through social media**  
(20 min)  
Ruth Reeve; Portsmouth / UK

**EFRS WS-5 - Open discussion**  
(20 min)
ESOR - Education in research

Categories: Education, Research
ETC Level: LEVEL II
Date: July 15, 2022 | 16:00 - 17:30 CEST
CME Credits: 1.5

Moderators:
Regina G. H. Beets-Tan; Amsterdam / Netherlands
Valérie Vilgrain; Clichy / France

ESOR-3 - Introduction (5 min)
Regina G. H. Beets-Tan; Amsterdam / Netherlands

ESOR-4 - ESOR in action 2022 (5 min)
Valérie Vilgrain; Clichy / France

ESOR-5 - Getting involved in clinical trials: it is never too early (20 min)
Marie-Pierre Revel; Paris / France

ESOR-6 - The importance of networking in research (20 min)
Carlo Catalano; Rome / Italy

ESOR-7 - My experience: Bracco research fellowship (10 min)
Ziga Snoj; Ljubljana / Slovenia

ESOR-8 - My experience: Nicholas Gourtsoyiannis teaching fellowship (10 min)
Francesco Giganti; London / UK

ESOR-9 - Panel discussion (20 min)
ESR/EIBIR 16 - Big data and artificial intelligence in cancer imaging

Categories: Artificial Intelligence & Machine Learning, Management/Leadership, Oncologic Imaging, Professional Issues, Research
ETC Level: LEVEL I
Date: July 15, 2022 | 16:00 - 17:00 CEST
CME Credits: 1

Moderator:
Marc Dewey; Berlin / Germany

ESR/EIBIR 16-1 - Chairperson's introduction (5 min)
Marc Dewey; Berlin / Germany

ESR/EIBIR 16-2 - Main aspects on data repositories in cancer imaging (20 min)
Luis Martí-Bonmatí; Valencia / Spain

ESR/EIBIR 16-3 - Building and validating artificial intelligence workflows in cancer imaging (20 min)
Karim Lekadir; Barcelona / Spain

ESR/EIBIR 16-4 - EIBIR activities and upcoming funding opportunities (5 min)
Peter Gordebeke; Vienna / Austria

ESR/EIBIR 16-5 - Panel discussion: Can causality be inferred from medical images? (10 min)
EU 16 - European Commission tender: European co-ordinated action on improving justification of computed tomography

**Categories:** EuroSafe Imaging/Radiation Protection, Imaging Methods, Management/Leadership, Professional Issues

**ETC Level:** LEVEL III

**Date:** July 15, 2022 | 16:00 - 17:00 CEST

**CME Credits:** 1

**Moderators:**
Jacob Sosna; Jerusalem / Israel
Alexandra Karoussou-Schreiner; Luxembourg / Luxembourg

EU 16-2 - Chairperson's introduction (5 min)
Alexandra Karoussou-Schreiner; Luxembourg / Luxembourg

EU 16-3 - EU-JUST-CT project: importance and aims - ESR's view (15 min)
Boris Brkljačić; Zagreb / Croatia

EU 16-4 - EU-JUST-CT: importance and aims - European Commission's view (15 min)
Georgi Simeonov; Luxembourg / Luxembourg

EU 16-5 - EU-JUST-CT: current evidence base and EU justification processes (15 min)
Shane J. Foley; Dublin / Ireland

EU 16-6 - Panel discussion: How many imaging procedures in Europe are not appropriate and how can we improve the figures? (10 min)
OF 16R - Top tips in ultrasound 4: female pelvis

Categories: Abdominal Viscera, Genitourinary, Physics in Medical Imaging, Radiographers, Ultrasound
Date: July 15, 2022 | 16:00 - 17:00 CEST
CME Credits: 1

Moderator:
Gill Harrison; London / United Kingdom

OF 16R-2 - Trans-abdominal ultrasound: presentation, live scanning demonstration, and questions and answers (60 min)
Roxanne Sicklen; London / UK
RC 1613 - The multidisciplinary management of oncology patients during the evaluation of treatment response

Categories: Imaging Methods, Multidisciplinary, Oncologic Imaging, Physics in Medical Imaging, Professional Issues
ETC Level: LEVEL III
Date: July 15, 2022 | 16:00 - 17:00 CEST
CME Credits: 1

Moderator:
Cynthia McCollough; Rochester / United States

RC 1613-1 - Chairperson's introduction (5 min)
Cynthia H. McCollough; Rochester, MN / United States

RC 1613-2 - Perspectives of personalised modern oncology: examples of new drug approaches and clinical trial development (15 min)
John Haanen; Amsterdam / Netherlands

RC 1613-3 - Staging and follow-up of oncologic patients: special needs of appropriateness in radiological imaging (15 min)
Joanna Podgorska; Warsaw / Poland

RC 1613-4 - Staging and follow-up of oncologic patients: special needs of optimisation in radiological imaging (15 min)
Marco Brambilla; Novara / Italy

RC 1613-5 - Panel discussion: Oncology patients in the radiology department: who and how should we coordinate a multidisciplinary team in case of oncologic patients that take part in clinical trials and/or drug programmes? (10 min)
OF 16Y - Meet the professors: part 4

Categories: Education, General Radiology, Management/Leadership, Professional Issues, Students
ETC Level: ALL LEVELS
Date: July 15, 2022 | 16:00 - 17:00 CEST
CME Credits: 1

Moderator:
Martina Pecoraro; Rome / Italy

OF 16Y-1 - Chairperson's introduction (5 min)
Martina Pecoraro; Rome / Italy

OF 16Y-2 - Boosting your career: more than one way to skin a rabbit! (20 min)
Soraya Robinson; Vienna / Austria

OF 16Y-3 - Diversity in a bilingual environment: from medical studies to clinical commitment in radiology (20 min)
Harriet C. Thoeny; Fribourg / Switzerland
Lucien Widmer; Fribourg / Switzerland
Julian Vidal; Fribourg / Switzerland

OF 16Y-4 - Discussion (15 min)
RC 1616 - Pros and Cons: PET is the best method for whole body metastatic imaging

Categories: Hybrid Imaging, Molecular Imaging, Nuclear Medicine, Oncologic Imaging, Professional Issues
ETC Level: LEVEL III
Date: July 15, 2022 | 16:00 - 17:00 CEST
CME Credits: 1

Moderator:
Marius E. Mayerhöfer; Wien / Austria

RC 1616-1 - Chairperson’s introduction (5 min)
Marius E. Mayerhöfer; Vienna / Austria

RC 1616-2 - PRO (15 min)
Stefano Fanti; Bologna / Italy

RC 1616-3 - CON (15 min)
Anwar R. Padhani; London / UK

RC 1616-4 - Panel discussion: How can we choose the best option for our patient? (25 min)
RTF Quiz - Radiological chariots of fire: the journey through sports and pain

Date: July 15, 2022 | 16:00 - 17:30 CEST
CME Credits: 1.5

Moderators:
Marco Francone; Milan / Italy
Christian Loewe; Vienna / Austria

RTF Quiz-1 - Quiz Masters (90 min)
Marco Francone; Milan / Italy
Christian Loewe; Vienna / Austria
TC 16 - Interventional breast techniques

**Categories:** Breast, Imaging Methods  
**ETC Level:** LEVEL III  
**Date:** July 15, 2022 | 16:00 - 17:00 CEST  
**CME Credits:** 1

**Moderators:**
Linda Moy; New York / United States  
Ritse Maarten Mann; Nijmegen / Netherlands

**TC 16-3 - A. Digital breast tomosynthesis-guided biopsy: how to do it, indications** (20 min)  
Emily Conant; Philadelphia, PA / United States

**TC 16-4 - B. Smart Clips and other devices for lesion localisation** (20 min)  
Fleur Kilburn-Toppin; Cambridge / UK

**TC 16-5 - C. Minimally invasive treatment of breast cancer: a paradigm change** (20 min)  
Michael H. Fuchsjäger; Graz / Austria
RPS 1602 - Breast ultrasound in 2022

**Categories:** Breast, Imaging Methods

**Date:** July 15, 2022 | 16:00 - 17:30 CEST

**CME Credits:** 1.5

**Moderator:**
Panagiotis Kapetas; Vienna / Austria

**RPS 1602-2 - Contrast enhanced ultrasound (CEUS) with microbubble for preoperative assessment of sentinel lymph nodes in breast cancer patients improved surgical planning during COVID-19 pandemic** (8 min)
Priya Palanisamy; Maidstone / UK

**RPS 1602-3 - Value of imaging in women presenting with breast pain: a cross-sectional study** (8 min)
Catherine Payne; Edinburgh / UK

**RPS 1602-4 - Lymphatic mapping using ultrasound microbubbles prior to lymphaticovenous anastomosis surgery for upper extremity lymphoedema** (8 min)
Samuel Jang; Rochester / United States

**RPS 1602-5 - Second-look ultrasound for MRI-detected lesions: MRI features, detection rate and sonographic findings** (8 min)
Selda Güven; Ankara / Turkey

**RPS 1602-6 - Elastography and diffusion-weighted imaging in breast cancer** (8 min)
Ihsan Şebnem Örgüç; Manisa / Turkey

**RPS 1602-7 - Evaluating tumour-infiltrating lymphocytes in breast cancer: the role of conventional ultrasound and contrast-enhanced ultrasound** (8 min)
Ying Jia; Lanzhou / China

**RPS 1602-8 - Evaluation of additional MRI-detected breast lesions using the quantitative analysis of contrast-enhanced ultrasound scans and its comparability with dynamic contrast-enhanced MRI findings of the breast** (8 min)
Kyung Eun Lee; Seoul / Korea, Republic of

**RPS 1602-9 - Unusual benign intracapsular masses mimicking breast implant associated anaplastic large cell lymphoma** (8 min)
Elige Karam; Montreal / Canada

**RPS 1602-10 - Identifying non-mass-like breast lesions on automated breast volume scanner images: analysis of the features analysis and diagnostic performance** (8 min)
RPS 1602-11 - Evaluation of computer-aided diagnosis in breast ultrasonography: improvement in diagnostic performance of inexperienced radiologists (8 min)
Giulia Muscogiuri; Milano / Italy

RPS 1602-12 - Malignant lesions characterised as BI-RADS 4A in ultrasound, a subtype analysis (8 min)
Sepideh Sefidbakht; Shiraz / Iran
RPS 1614 - Advancing radiographic practice and training needs

**Categories:** Education, Professional Issues, Radiographers, Students, Ultrasound  
**Date:** July 15, 2022 | 16:00 - 17:00 CEST  
**CME Credits:** 1

**Moderators:**  
Jonathan Loui Portelli; Msida / Malta  
Filip M. Vanhoenacker; Bonheiden / Belgium

RPS 1614-3 - Role expansion in ultrasound: radiographers in European Federation of Radiographer Societies (EFRS) countries (8 min)  
Barbara Kraus; Wolkersdorf / Austria

RPS 1614-4 - European radiographers' experience in ultrasound: roles, support and legal responsibility (8 min)  
Barbara Kraus; Wolkersdorf / Austria

RPS 1614-5 - Ultrasound evaluation of the patellar tendon in sports practitioners and non-sports practitioners: the radiographer's role (8 min)  
Ângela Patrícia Pissarra; Faro / Portugal

RPS 1614-6 - Characteristics associated with high interpretation performance amongst radiography advanced practitioners (RAPs) involved in breast cancer screening (8 min)  
Noelle Lay; Craigavon / UK

RPS 1614-7 - An investigation of radiographers' perception about their role in providing psychosocial support to cancer patients (8 min)  
Jonathan Loui Portelli; Msida / Malta

RPS 1614-8 - Building bridges among students and young radiographers in Nigeria based on previous ECR sponsored experience (8 min)  
Aiman Igwegbe; Maiduguri / Nigeria
RPS 1608 - Thyroid and parathyroid gland imaging

Categories: Artificial Intelligence & Machine Learning, Head and Neck, Imaging Methods, Ultrasound
Date: July 15, 2022 | 16:00 - 17:30 CEST
CME Credits: 1.5

Moderator:
Elene Gotsiridze; Tbilisi / Georgia

RPS 1608-2 - Deep convolutional neural network with transfer learning for automated classification of thyroid nodules on ultrasound (8 min)
Philip Choi; Seoul / Korea, Republic of

RPS 1608-3 - Efficiency of biopsy criteria in thyroid nodules: the 2017 European Thyroid Imaging Reporting and Data System versus the 2017 American College of Radiology Thyroid Imaging management guidelines (8 min)
Guillem Dolz; valldoreix / Spain

RPS 1608-4 - TIRADS, SRE and SWE in the indeterminate thyroid nodule characterisation: which is the best? (8 min)
Giovanni Del Gaudio; Rome / Italy

RPS 1608-5 - Contrast-enhanced ultrasonography for differential diagnosis of benign and malignant thyroid lesions: single-institutional prospective study of qualitative and quantitative CEUS characteristics (8 min)
Hana Petrasova; Brno / Czechia

RPS 1608-6 - Diagnostic accuracy and interobserver agreement of ACR Thyroid Imaging Reporting and Data System (TI-RADS) among radiologists with different experience levels (8 min)
Mohamed T. El-Diasty; Jeddah / Saudi Arabia

RPS 1608-7 - Extracellular volume fraction using dual-energy CT for diagnosing cervical lymph nodes metastasis from papillary thyroid cancer (8 min)
Yan Zhou; Nanjing / China

RPS 1608-8 - Contrast-enhanced ultrasonography with Sonazoid in small lateral neck lymph nodes metastasis of papillary thyroid carcinoma: excellent diagnostic performance (8 min)
Lingli Xiao; Guangzhou / China

RPS 1608-9 - Comparative study of MRI features and pathological features of thyroid nodules (8 min)
Xiao Yan Liu; Tai an / China

RPS 1608-10 - US-elastography with different techniques for thyroid nodule characterisation: systematic review and meta-analysis (8 min)
RPS 1608-11 - Macrocalcifications do not alter malignancy risk within the 2017 European Thyroid Imaging Reporting and Data System (EU-TIRADS) when present in non-high suspicion thyroid nodules (8 min)
Ana Sánchez; Sabadell / Spain

RPS 1608-12 - MRI and 4D-CT diagnostic performance in preoperative localisation of parathyroid adenoma correlated with surgical and pathological findings (8 min)
Anat Yahav-Dovrat; Haifa / Israel
RPS 1604 - The post-COVID lung

**Categories:** Artificial Intelligence & Machine Learning, Chest, EuroSafe Imaging/Radiation Protection, Imaging Methods, Multidisciplinary

**Date:** July 15, 2022 | 16:00 - 17:30 CEST

**CME Credits:** 1.5

**Moderator:**
Annemie Snoeckx; Zandhoven / Belgium

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RPS 1604-2 - Quantitative chest CT analysis to measure short-term sequelae of COVID-19 pneumonia: a monocentric prospective study (8 min)
Angela Ammirabile; Rozzano / Italy

RPS 1604-3 - Post-COVID-19 lung fibrosis: a study of 600 cases in tertiary care setting in India on the effect of hyperglycemia, radiological phenotypes and response to antifibrotics (8 min)
Shital Patil; LATUR / India

RPS 1604-4 - Radiologic-pathologic correlation in 1-year follow-up patients after COVID-19 infection (8 min)
Diletta Cozzi; Prato / Italy

RPS 1604-5 - Inflammatory burden and persistent CT lung abnormalities in COVID-19 patients (8 min)
Filippo Monelli; Modena / Italy

RPS 1604-6 - Structural and functional pulmonary assessment in severe COVID-19 patients at 12 months after discharge (8 min)
Elisa Mercanzin; Bergamo / Italy

RPS 1604-7 - Follow-up CT in patients with confirmed COVID-19 lung injury on the example of outpatient triage CT centres in St. Petersburg (8 min)
Daria Kuplevatskaya; St.Petersburg / Russia

RPS 1604-8 - Multicentric study of chest CT practice evolution during the COVID-19 pandemic in France (8 min)
Ramiro Moreno; Strasbourg-Entzheim / France

RPS 1604-9 - Dynamic changes of residual lesions and lung volume in moderate and severe convalescent COVID-19 patients: 6-month quantitative follow-up study after discharge (8 min)
Feihong Wu; Wuhan / China

RPS 1604-10 - Vertebral bone mineral density change in COVID-19 convalescent patients: a 1-year follow-up study based on chest CT (8 min)
Feihong Wu; Wuhan / China

**RPS 1604-11 - Follow-up CT scan at 6-7 months in a cohort of 405 severe COVID-19 pneumonia survivors: preliminary results of a multicentre study** *(8 min)*
Filippo Monelli; Modena / Italy

**RPS 1604-12 - Ultra-low-dose CT (ULDCT) vs low-dose CT (LDCT) of the chest in post-COVID-19 patients: an intrapatient comparison** *(8 min)*
Christian Wassipaul; Vienna / Austria
RPS 1601 - How to improve your abdominal imaging protocols?

Categories: Abdominal Viscera, Imaging Methods, Physics in Medical Imaging, Research
Date: July 15, 2022 | 16:00 - 17:30 CEST
CME Credits: 1.5

Moderator:
Giovanna Ferraioli; Pavia / Italy

RPS 1601-2 - Low-dose CT of the abdomen: initial experience on a novel photon-counting detector CT and comparison with energy-integrating detector CT (8 min)
Josua Decker; Augsburg / Germany

RPS 1601-3 - The application value of slow injection combined with dual arterial phase scanning in MR-enhanced liver with gadoxetic acid (8 min)
Jiayan Liu; Suzhou / China

RPS 1601-4 - Are dilution and slow injection with fluoroscopic triggering technique the solution to mitigating arterial-phase artifacts in gadoxetic acid enhanced liver MRI? (8 min)
Raphael Ambros; Vienna / Austria

RPS 1601-5 - A feasibility study of “dark-blood” angiography using dual-layer detector CT in pre-operative staging of pancreatic cancer (8 min)
Keke Si; Wuhan / China

RPS 1601-6 - Value of dual-layer spectral-detector CT in reducing intestinal peristalsis-related streak artifacts on the liver (8 min)
Sergio Grosu; Munich / Germany

RPS 1601-7 - Diagnostic value of multiple arterial-phase images in liver magnetic resonance imaging: a systematic review and meta-analysis (8 min)
Sun Hong; Seoul / Korea, Republic of

RPS 1601-8 - Virtual non-contrast imaging of clinical photon-counting detector CT: accuracy in the abdomen (8 min)
Victor Mergen; Zurich / Switzerland

RPS 1601-9 - Quantum iterative reconstruction for abdominal photon-counting detector CT: assessment of image quality and lesion conspicuity in a phantom and patients (8 min)
Andre Euler; Zurich / Switzerland

RPS 1601-10 - The utility of contrast-enhanced ultrasound (CEUS) in splenic lesion diagnosis (8 min)
RPS 1601-11 - Comparison of iterative reconstruction and deep learning imaging reconstruction in detection of hypoattenuating liver metastasis (8 min)
Nana Liu; Zhengzhou / China
RPS 1615 - Advances in thoracoabdominal and peripheral vascular CT

**Categories:** Contrast Media, EuroSafe Imaging/Radiation Protection, Imaging Methods, Physics in Medical Imaging, Vascular

**Date:** July 15, 2022 | 16:00 - 17:30 CEST

**CME Credits:** 1.5

**Moderator:**
Joachim Kettenbach; Wiener Neustadt / Austria

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**RPS 1615-2 - Low volume contrast media protocol for CT angiography of the aorta: prospective development and evaluation with photon-counting detector CT (8 min)**

Hatem Alkadhi; Zurich / Switzerland

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**RPS 1615-3 - Lower extremity run-off CT angiography on a novel dual-source photon counting detector CT: image quality comparison with a second generation dual-source energy-integrating detector CT (8 min)**

Katharina Rippel; Augsburg / Germany

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**RPS 1615-4 - Application of dual-layer detector spectral CT in reducing the contrast hardening artifact around subclavian vein (8 min)**

Huayang Du; Beijing / China

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**RPS 1615-5 - The applied research of diagnose fibrosing mediastinitis by “one-stop” pulmomary angiography of dual-layer detector spectral CT (8 min)**

Xing Zhou; lanzhou / China

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**RPS 1615-6 - Dual-energy CT as an adjunct to evaluate the significance of type-II endoleaks after endovascular aneurysm repair (8 min)**

Stavros Charalambous; Heraklion Crete / Greece

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**RPS 1615-7 - Computed tomography angiography reconstructed with MBIR for TAVR planning as a comprehensive tool for the assessment of coronary arteries (8 min)**

Maria Ragusi; Monza / Italy

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**RPS 1615-8 - Personalised high-pitch CTPA facilitates a reduction of contrast agent volume (8 min)**

Raoul Varga; Vienna / Austria

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**RPS 1615-9 - Comparison of ultrasound with superb microvascular imaging (SMI), contrast enhanced ultrasound (CEUS) and angio CT (CTA) in the detection of post EVAR endoleak (8 min)**

Marco Curti; Pavia / Italy
RPS 1615-10 - Determination of aortic pulsatility on ECG-gated CT angiography in patients with abdominal aneurysms
(8 min)
Máté Huber; Budapest / Hungary

RPS 1615-11 - Potential utility of ECG-gated CT angiography for investigation of the elastic properties of the ascending thoracic aorta (8 min)
Viktor Saushkin; Tomsk / Russia

RPS 1615-12 - Can we finally skip unenhanced acquisitions prior to CT angiography of aortic stent patients?
Comparison of 2- and 3-material decomposition reconstructions of photon-counting detector CT datasets (8 min)
Josua Decker; Augsburg / Germany
- Highlights from the Mobile Film Crew Day 4

Date: July 16, 2022 | 02:15 - 02:30 CEST

Moderator:
Ben Giese
EF - Interventional CT and fluoroscopy: optimisation, safety, and practice

Categories: EuroSafe Imaging/Radiation Protection, General Radiology, Imaging Methods, Interventional Radiology, Physics in Medical Imaging

ETC Level: LEVEL II+III

Date: July 16, 2022 | 08:00 - 09:00 CEST

CME Credits: 1

Moderators:
Paddy Gilligan; Dublin / Ireland
Lucie Sukupova; Prague / Czechia

EF-3 - Chairperson's introduction (5 min)
Paddy Gilligan; Dublin / Ireland

EF-4 - Optimisation in interventional CT and CT fluoroscopy (15 min)
Joel Greffier; Nimes / France

EF-5 - Occupational safety in CT fluoroscopy and interventional CT (15 min)
Christian Hohl; Siegen / Germany

EF-6 - Safe and optimised clinical practice in interventional CT (15 min)
Mark Bolger; Dublin / Ireland

EF-7 - Panel discussion: Is in-room interventional fluoroscopy and CT now a safer practice with patient benefits? (10 min)
RPS 1704 - Airways, emphysema and lung cysts

**Categories:** Artificial Intelligence & Machine Learning, Chest, EuroSafe Imaging/Radiation Protection

**Date:** July 16, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Marija Simic; Zagreb / Croatia

RPS 1704-2 - Detection of progressive airway disease on chest computed tomography in a phase III cystic fibrosis study cohort using a fully automated method to analyse airway and artery dimensions (8 min)
Qianting Lv; Rotterdam / Netherlands

RPS 1704-3 - Magnetic resonance imaging detects improvement in upper and lower airway abnormalities in adults with cystic fibrosis treated with novel CFTR-modulator therapy (8 min)
Lena Wucherpfennig; Heidelberg / Germany

RPS 1704-4 - Ten years of cumulative effective dose (CED) data in Cystic Fibrosis (CF): the evolution of low dose CT techniques in CF thoracic imaging and impact on radiation exposure (8 min)
Alexander O'Mahony; Cork / Ireland

RPS 1704-5 - Visual and quantitative CT-based emphysema and lung cancer: a systematic review and meta-analysis (8 min)
Xiaofei Yang; Groningen / Netherlands

RPS 1704-6 - Understanding chronic respiratory disease: quantifying mechanical properties of trachea/radiology meets engineering mechanics (8 min)
Joshua Gawlitza; München / Germany

RPS 1704-7 - Semi-automatic assessment of cystic pulmonary changes in children with juvenile systemic sclerosis (8 min)
Giulia Fichera; Padova / Italy

RPS 1704-8 - Longitudinal thoracic CT study in Birt-Hogg-Dubé syndrome: progression of cysts and relation with prognosis (8 min)
Sumin Cho; Seoul / Korea, Republic of
RPS 1708 - Head and neck oncology

Categories: Artificial Intelligence & Machine Learning, Head and Neck, Imaging Methods, Oncologic Imaging, Ultrasound
Date: July 16, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Davide Farina; Brescia / Italy

RPS 1708-2 - Outcomes of head and neck fine-needle aspiration cytology results: consultant vs. sonographer (8 min)
Abeera Khan; Portsmouth / UK

RPS 1708-3 - Agreement of TIRADS and ATA as ultrasonographic thyroid nodules scoring systems and their relationship with pathology findings (8 min)
Leila Aghaghazvini; Tehran / Iran

RPS 1708-4 - Predictive value of 18F-FDG PET / CT in BRAFV600E mutation in patients with differentiated thyroid cancer (8 min)
Zewen Jiang; GuiLin / China

RPS 1708-5 - Use of artificial intelligence in management of head-neck tumours: a multidisciplinary survey (8 min)
Stefano Lusi; Milano / Italy

RPS 1708-6 - HEad and neCK TumOR segmentation and outcome prediction: The HECKTOR challenge (8 min)
Adrien Depeursinge; Sierre / Switzerland

RPS 1708-7 - Can quantitative diffusion-weighted MR imaging be useful as non-invasive prognostic marker to predict histologic type in uveal melanomas?: preliminary results (8 min)
Corrado Inì; Catania / Italy
RPS 1705b - Artificial intelligence in brain imaging

Categories: Artificial Intelligence & Machine Learning, Neuro
Date: July 16, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Sotirios Bisdas; London / United Kingdom

RPS 1705b-2 - Comprehensive deep-learning model on CT brain outperforms radiologist performance in the majority of findings (8 min)
Peter Brotchie; Sydney / Australia

RPS 1705b-3 - A cautionary tale about lesion detection performance evaluation in multiple sclerosis (8 min)
Veronica Munoz Ramirez; La Tronche / France

RPS 1705b-5 - Segmentation of MS lesions: accuracy of mdbrain 4.5 versus a pool of human experts (8 min)
Andreas Lemke; Berlin / Germany

RPS 1705b-6 - K-space based deep learning reconstruction empowers 50% acceleration of MR spine imaging: a prospective multicentre, multireader trial (8 min)
Lawrence Tanenbaum; RIVERSIDE / United States

RPS 1705b-7 - mdbrain vs. FreeSurfer & SPM: repeatability and performance of different methods for brain volumetry (8 min)
Jens Opalka; Berlin / Germany
RPS 1701 - Surveillance and workup of hepatocellular carcinoma (HCC)

Categories: Abdominal Viscera, Contrast Media, Imaging Methods, Oncologic Imaging, Research
Date: July 16, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Giuseppe Brancatelli; Palermo / Italy

RPS 1701-2 - Outcomes of LI-RADS US-2 subthreshold observations (8 min)
Justin Tse; Stanford / United States

RPS 1701-3 - What factors are associated with increased risk for peritoneal seeding after radiofrequency ablation for hepatocellular carcinoma (8 min)
Hwaseong Ryu; Yangsan / Korea, Republic of

RPS 1701-4 - Value of intravoxel incoherent motion for preoperative evaluation of liver regeneration in hepatocellular carcinoma (8 min)
Qian Li; Chengdu / China

RPS 1701-5 - Radiomics-based on multisequence MRI for hepatocellular carcinoma prediction in hepatobiliary phase hypointense nodules without arterial phase hyperenhancement: a multicentre study (8 min)
Seo Yeon Youn; Seoul / Korea, Republic of

RPS 1701-6 - Value of precontrast and portal venous phases for evaluating atypical hepatocellular carcinoma mimicking arteriportal shunt (8 min)
Minkyo Song; Seoul / Korea, Republic of

RPS 1701-7 - Positive predictive value of hepatocellular carcinoma surveillance ultrasound depends on presence of cirrhosis (8 min)
Justin Tse; Stanford / United States
RPS 1705a - Evaluation of artificial intelligence (AI) systems

**Categories:** Artificial Intelligence & Machine Learning, Imaging Informatics, Imaging Methods

**Date:** July 16, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Angel Alberich-Bayarri; Valencia / Spain

RPS 1705a-2 - Retrospective evaluation of an AI based software tool for chest x-ray quality assurance purposes on Elisabeth-TweeSteden Hospital study sample (8 min)
Naglis Ramanauskas; Vilnius / Lithuania

RPS 1705a-3 - Retrospective evaluation of an AI based software tool for chest x-ray quality assurance purposes on Vilnius University Santaros clinics (Vilnius, Lithuania) study sample (8 min)
Naglis Ramanauskas; Vilnius / Lithuania

RPS 1705a-4 - Incorrect application of feature selection when using cross-validation can lead to bias (8 min)
Denise Bos; Essen / Germany

RPS 1705a-5 - Selective on-site retraining for efficient performance drop compensation due to domain shift (8 min)
Omar Hertgers; Den Haag / Netherlands

RPS 1705a-6 - Stand-alone detection performance of two commercial deep learning algorithms in a UK breast screening workflow (8 min)
Sarah Hickman; Cambridge / UK

RPS 1705a-7 - Comparative testing of three artificial intelligence algorithms interval cancer detection performance and the importance of application context in evaluating such algorithms for mammographic screening (8 min)
Sarah Hickman; Cambridge / UK
PP 17 - Imaging genitourinary complications and pathologies

Categories: Abdominal Viscera, Artificial Intelligence & Machine Learning, Genitourinary, Oncologic Imaging

Date: July 16, 2022 | 08:00 - 09:00 CEST

CME Credits: 1

Moderator:
Lorenzo E. Derchi; Genoa / Italy

PP 17-2 - Vascular complications in renal transplant: Doppler ultrasound evaluation and the potential therapeutic role of interventional radiology (8 min)
Teresa Cobo Ruiz; Santander / Spain

PP 17-3 - Renal cell carcinoma with vascular extension: what to look for (8 min)
Rodrigo Alonso González; Madrid / Spain

PP 17-5 - Initial findings of prostatic artery occlusion (PAO) with Onyx® in a canine model for the management of benign prostatic hyperplasia (8 min)
Vanesa Lucas Cava; Cáceres / Spain

PP 17-6 - Endometriosis and pelvic innervation: what the abdominal radiologist needs to know (8 min)
Ana Bavaresco; São Paulo / Brazil

PP 17-7 - Magnetisation transfer imaging of ovarian cancer correlates with tissue cellularity and can detect microstructural changes following neoadjuvant chemotherapy (8 min)
Surrin Deen; Cambridge / UK

PP 17-8 - IntraVoxel Incoherent Motion (IVIM) imaging of placenta in women with previous COVID-19 pregnancy infection: a preliminary MRI study (8 min)
Giada Ercolani; Rome / Italy

PP 17-9 - Imaging the complications of gynaecological brachytherapy (8 min)
Niharika Tyagi; Chalfont St Giles / UK

PP 17-10 - How to prepare CT scanners from a radiology department for radiomic studies (8 min)
Maria Aymerich; Vigo / Spain
RPS 1714 - Professional challenges for radiography

**Categories:** Education, Management/Leadership, Professional Issues, Radiographers, Research

**Date:** July 16, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderators:**
Patrizia Cornacchione; Rome / Italy
Joan C. Vilanova; Girona / Spain

**RPS 1714-3 - Incidents of workplace harassment: reporting mechanisms & support services available to radiographers in the Republic of Ireland** (8 min)
Mark F. McEntee; Cork / Ireland

**RPS 1714-4 - Impact of work interruptions on stress level of health care workers and professional quality of life: single institute experience** (8 min)
Dávid Sipos; Kaposvár / Hungary

**RPS 1714-6 - The lived experiences of radiographers imaging trauma patients in Gauteng, South Africa** (8 min)
Shabnam Wahid; Johannesburg / South Africa

**RPS 1714-7 - Exploring and standardising research ethics processes for radiography research across Europe** (8 min)
Christina Malamateniou; London / UK
RPS 1711 - Neurodegenerative diseases: Parkinson’s

Categories: Imaging Methods, Neuro
Date: July 16, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Jose Maria Garcia Santos; Murcia / Spain

RPS 1711-2 - Automated midbrain volumetry: potential tool to differentiate progressive supranuclear palsy from Parkinson’s disease (8 min)
Francisco Mendoza Ferradas; Pamplona / Spain

RPS 1711-3 - Imaging the primary motor cortex in hereditary spastic paraplegia (8 min)
Graziella Donatelli; Pisa / Italy

RPS 1711-4 - Mapping motor related white matter pathways after subthalamic nucleus DBS treatment for Parkinson’s disease: a postoperative diffusion MRI tractography study (8 min)
Yan Li; Shanghai / China

RPS 1711-5 - Multi-modality MRI-based study of abnormal brain microstructure pattern and differentiation of Parkinson’s disease subtypes (8 min)
Yijun Leng; Shanghai / China

RPS 1711-6 - Diagnostic performance of the magnetic resonance parkinsonism index in differentiating progressive supranuclear palsy from Parkinson’s disease: an updated systematic review and meta-analysis (8 min)
Seongken Kim; Seoul / Korea, Republic of

RPS 1711-7 - STAGE as a multicentre, multivendor protocol for imaging Parkinson’s disease: a validation study on healthy controls (8 min)
Naying He; Shanghai / China

RPS 1711-8 - Microstructural but not macrostructural cortical degeneration in Parkinson’s disease with mild cognitive impairment: evidence from NODDI investigation (8 min)
Xueqin Bai; Shanghai / China
RPS 1702 - How to improve lymph node detection and characterisation

Categories: Breast, General Radiology, Nuclear Medicine
Date: July 16, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Paola Clauser; Vienna / Austria

RPS 1702-2 - Utility of novel silicone-specific dual-energy CT material classification method in diagnosing silicone breast implant rupture and detecting silicone in regional lymph nodes (8 min)
Mariana Yalon; Rochester / United States

RPS 1702-3 - Radiomics nomogram for prediction of axillary lymph node metastasis in contrast-enhanced cone-beam breast CT (8 min)
Yueqiang Zhu; Tianjin / China

RPS 1702-4 - Preoperative axillary LN staging by breast expert vs general radiologist: area for improvement (8 min)
Sepideh Sefidbakht; Shiraz / Iran

RPS 1702-5 - The value of dual-layer detector computed tomography for preoperative diagnosis of axillary sentinel lymph node in breast cancer (8 min)
Xiaohui Zhang; Shanghai / China

RPS 1702-6 - Accuracy of 14G core biopsy in the diagnosis of axillary lymph node metastasis from breast cancer (8 min)
Chiara Bellini; Scandicci / Italy

RPS 1702-7 - Simultaneous multiparametric [18F]-fluoroethylcholine PET-MRI in the local staging of breast cancer (8 min)
Paola Clauser; Vienna / Austria
RPS 1716 - Pancreatic malignancies

Categories: Abdominal Viscera, Imaging Methods, Oncologic Imaging, Translational Imaging
Date: July 16, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

RPS 1716-2 - Missed and misinterpreted findings of pancreatic cancer on MRI: prevalence of early features/findings (8 min)
Anthony Chuprin; Jacksonville / United States

RPS 1716-3 - 18F-FDG PET/MRI enables early chemotherapy response prediction in pancreatic ductal adenocarcinoma (8 min)
Friederike Jungmann; Munich / Germany

RPS 1716-4 - Treatment assessment of pNET and NELM after everolimus by quantitative MRI parameters (8 min)
Maria Ingenerf; Munich / Germany

RPS 1716-5 - Prediction of greater pancreatic neuroendocrine tumour aggressiveness by increased stiffness (8 min)
Emin Gültekin; Berlin / Germany

RPS 1716-6 - Detailed MRI subtyping of cystic morphology in serous and mucinous cystic neoplasms of the pancreas: a retrospective evaluation (8 min)
Felix Kubicka; Berlin / Germany

RPS 1716-7 - Clinical usefulness of dual-layer spectral detector CT in preoperative detection of hepatic metastases from pancreatic ductal adenocarcinoma (8 min)
Yanzhao Yang; Shanghai / China

RPS 1716-8 - Prognostic effect of sarcopenia and myosteatosis in patients with resectable pancreatic ductal adenocarcinoma (8 min)
Hyemin Ahn; Seoul / Korea, Republic of
RPS 1709 - Arterial and venous interventions

Categories: Imaging Informatics, Imaging Methods, Interventional Radiology, Multidisciplinary

Date: July 16, 2022 | 08:00 - 09:00 CEST

CME Credits: 1

Moderator:
Ruediger Schernthaner; Vienna / Austria

RPS 1709-2 - Initial clinical experience of intraprocedural aortic aneurysm sac embolisation using shape memory polymer devices during endovascular aneurysm repair (8 min)
Felix Frenzel; Homburg / Germany

RPS 1709-3 - Diagnostic performance of digital variance angiography in reduced radiation lower limb examinations (8 min)
István Góg; Budapest / Hungary

RPS 1709-4 - Unreported venous thromboembolism on routine CT imaging of the abdomen and pelvis and the possibility of earlier diagnosis and intervention (8 min)
Niamh O'Halloran; Galway / Ireland

RPS 1709-5 - Risk factors associated with difficult-retrieval inferior vena cava filters (D-RIVCF) (8 min)
Elisabet Vila-Trias Jover; Barcelona / Spain

RPS 1709-6 - Volume-flow-guided angioplasty of dysfunctional autologous arteriovenous fistula: the VOLA Study (8 min)
Panagiotis Filippou; Athens / Greece

RPS 1709-7 - A single-centre experience of percutaneous arteriovenous fistula creation with an RF-based EndoAVF System (8 min)
Vasiliki Taki; ΠΑΤΡΑ / Greece

RPS 1709-8 - Evaluation of the effectiveness and safety of local fibrinolysis guided by catheter as part of a multidisciplinary management of acute pulmonary thromboembolism (8 min)
Abraham Portillo Perdomo; Alzira / Spain
RC 1710 - Ultrasound in musculoskeletal radiology

**Categories:** Imaging Methods, Interventional Radiology, Musculoskeletal, Ultrasound
**ETC Level:** LEVEL II+III
**Date:** July 16, 2022 | 08:00 - 09:00 CEST
**CME Credits:** 1

**Moderator:**
Elena E. Drakonaki; Heraklion / Greece

**RC 1710-1 - Chairperson's introduction** (5 min)
Elena E. Drakonaki; Iraklion / Greece

**RC 1710-2 - High-frequency and ultra-high frequency ultrasound** (15 min)
Luca M. Sconfienza; Milan / Italy

**RC 1710-3 - MSK elastography** (15 min)
Ziga Snoj; Ljubljana / Slovenia

**RC 1710-4 - Interventional MSK ultrasound** (15 min)
Elena E. Drakonaki; Iraklion / Greece

**RC 1710-5 - Panel discussion: New clinical roles for musculoskeletal ultrasound** (10 min)
Meets 17 - Building bridges: EFRS meets the Netherlands

Categories: Imaging Methods, Nuclear Medicine, Radiographers, Research
Date: July 16, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderators:
Francis Zarb; Msida / Malta
Jesse Clarijs-de Jong; Delft / Netherlands

Meets 17-4 - Introduction (5 min)
Francis Zarb; Msida / Malta
Jesse Clarijs-de Jong; Delft / Netherlands

Meets 17-5 - Surface scanning in radiotherapy (15 min)
Deniece Washington; Tilburg / Netherlands
Lennart Mesch; Tilburg / Netherlands

Meets 17-6 - An evaluation of patient experience during CT breast biopsy (15 min)
Lyanne Molenaar; Amsterdam / Netherlands

Meets 17-7 - Hybrid imaging: the merge between radiology and nuclear medicine (15 min)
Peter Liedorp; Raamsdonkveer / Netherlands

Meets 17-8 - Panel discussion (10 min)
RC 1702 - Neoadjuvant chemotherapy of breast cancer: image-guided treatment

Categories: Breast, Imaging Methods, Oncologic Imaging, Translational Imaging
ETC Level: LEVEL II+III
Date: July 16, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Mustafa Erkin Aribal; Istanbul / Turkey

RC 1702-1 - Chairperson’s introduction (5 min)
Erkin Aribal; Istanbul / Turkey

RC 1702-2 - Current role and results of imaging methods to detect residual disease (15 min)
Tamar Sella; Jerusalem / Israel

RC 1702-3 - Early response assessment and potential change of treatment: what needs to be done? (15 min)
Claudette Loo; Amsterdam / Netherlands

RC 1702-4 - Post-therapeutic management: is this the time to start omitting surgery? (15 min)
Sara Jimenez Arranz; Madrid / Spain

RC 1702-5 - Panel discussion: Is it possible to team up with the oncologists to adapt treatment using imaging biomarkers? (10 min)
RC 1703 - The crucial role of the radiologist at the heart of the multidisciplinary cardiac team

**Categories:** Cardiac, Imaging Methods, Multidisciplinary, Professional Issues, Vascular  
**ETC Level:** LEVEL II+III  
**Date:** July 16, 2022 | 08:00 - 09:00 CEST  
**CME Credits:** 1

**Moderator:**  
Rodrigo Salgado; Antwerpen / Belgium

**RC 1703-1 - Chairperson's introduction** (5 min)  
Rodrigo Salgado; Antwerp / Belgium

**RC 1703-2 - Cardiac CT and MRI in the cardiac team: the role of the radiologist according to the guidelines** (15 min)  
Matthias Gutberlet; Leipzig / Germany

**RC 1703-3 - The value of the radiologist in non-surgical aortic and mitral valve intervention** (15 min)  
Jean-Nicolas Dacher; Rouen / France

**RC 1703-4 - The vital role of the radiologist in the congenital cardiac team** (15 min)  
António J.B.S. Madureira; Porto / Portugal

**RC 1703-5 - Panel Discussion: How do radiologists become, and ensure we remain, a crucial part of these teams in the future?** (10 min)
OF 17Y - Career paths: subspecialisation (part 1)

Categories: Education, General Radiology, Multidisciplinary, Professional Issues, Students
ETC Level: ALL LEVELS
Date: July 16, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Apostolos H. Karantanas; Heraklion / Greece

OF 17Y-1 - Chairperson's introduction (5 min)
Apostolos H. Karantanas; Iraklion / Greece

OF 17Y-2 - Neuroradiology (ESNR) (10 min)
Meike Vernooij; Rotterdam / Netherlands
Harro Seelaar; Rotterdam / Netherlands

OF 17Y-3 - Paediatric radiology (ESPR) (10 min)
Maria Raissaki; Iraklion / Greece
Stavroula Ilia; Iraklion / Greece

OF 17Y-4 - Thoracic imaging (ESTI) (10 min)
Annemiek Snoeckx; Antwerp / Belgium
Jan P. van Meerbeeck; Edegem / Belgium

OF 17Y-5 - Discussion (25 min)
RC 1713 - Pros and Cons: The clinical benefits of MRI-Linac systems are worth the headaches

**Categories:** Hybrid Imaging, Imaging Methods, Multidisciplinary, Physics in Medical Imaging, Professional Issues

**ETC Level:** LEVEL III

**Date:** July 16, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Ioannis Seimenis; Athens / Greece

RC 1713-1 - Chairperson's introduction (5 min)
Thierry Gevaert; Brussels / Belgium

RC 1713-2 - PRO (15 min)
Bas Raaymakers; Amsterdam / Netherlands

RC 1713-3 - CON (15 min)
Claudio Fiorino; Milan / Italy

RC 1713-4 - Panel discussion: Image-guided radiotherapy: when and how should we visualise treatment response? (25 min)
RC 1717 - Controversial issues in imaging COVID-19 patients in the emergency setting

**Categories:** Chest, Contrast Media, Emergency Imaging, Imaging Methods, Professional Issues

**ETC Level:** LEVEL II+III

**Date:** July 16, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Marie-Pierre Revel; Paris / France

**RC 1717-1 - Chairperson's introduction** (5 min)
Marie-Pierre Revel; Paris / France

**RC 1717-2 - Classification and scoring systems of COVID-19 imaging findings** (15 min)
Ivana Blazic; Belgrade / Serbia

**RC 1717-3 - Differential diagnosis of lung ground-glass opacities in COVID-19 pandemic** (15 min)
Anna Rita Larici; Rome / Italy

**RC 1717-4 - Who would benefit from urgent chest imaging and which imaging strategy is the best?** (15 min)
Luis Gorospe Sarasua; Madrid / Spain

**RC 1717-5 - Panel discussion: How can we integrate imaging to orient patient management?** (10 min)
CUBE 17 - Neuro Specials

Categories: Interventional Radiology
Date: July 16, 2022 | 09:00 - 09:30 CEST
CME Credits: 0.5

- Neuro Specials (30 min)
Martin Bretzner; Lille / France
HD 4 - Highlights of the Day

Date: July 16, 2022 | 09:15 - 09:30 CEST

Moderator:
Regina G. H. Beets-Tan; Amsterdam / Netherlands
PL 3 - Thinking differently about cancer treatment regimens

Categories: Oncologic Imaging
ETC Level: ALL LEVELS
Date: July 16, 2022 | 09:30 - 10:00 CEST
CME Credits: 0.5

Moderator:
Regina G. H. Beets-Tan; Amsterdam / Netherlands

PL 3-2 - Thinking differently about cancer treatment regimens (28 min)
René Bernards; Amsterdam / Netherlands
CUBE 18 - 24/7 call for a national thrombectomy service

Categories: Interventional Radiology
Date: July 16, 2022 | 09:30 - 10:00 CEST
CME Credits: 0.5

- 24/7 call for a national thrombectomy service (30 min)
Barry Hallinan; Dublin / Ireland
RPS 1805a - Artificial intelligence (AI) in breast imaging

Categories: Artificial Intelligence & Machine Learning, Breast, Imaging Informatics, Oncologic Imaging

Date: July 16, 2022 | 10:30 - 12:00 CEST

CME Credits: 1.5

Moderator:
Chantal Van Ongeval; Leuven / Belgium

RPS 1805a-2 - Preparing screening mammograms for Artificial Intelligence using deep learning (8 min)
Sofia Salas Aguirre; Guadalajara / Mexico

RPS 1805a-3 - AI-based strategy to reduce the recall rate and consensus meeting workload of double reading in breast cancer screening with digital mammography: a retrospective evaluation (8 min)
Daan Hellingman; Forchheim / Germany

RPS 1805a-4 - The use of deep learning techniques in craniocaudal views in mammography (8 min)
Raluca-Elena Meetescu; Craiova / Romania

RPS 1805a-5 - Breast lesion recognition through machine learning: MammoWave clinical trial data (8 min)
Soumya Rana; London / UK

RPS 1805a-6 - Can an AI-based decision referral approach improve the overall sensitivity of a breast cancer screening programme? (8 min)
Stefan Bunk; Berlin / Germany

RPS 1805a-7 - Detection of breast arterial calcifications on mammograms with deep learning (8 min)
Nazanin Mobini; Milan / Italy

RPS 1805a-8 - Can a screening mammography teaching file with AI improve trainee interpretation skills? (8 min)
Pierre Fillard; Paris / France

RPS 1805a-9 - Implementation of lesion detection box-derived radiomics signature in computer-aided decision support system for breast cancer ultrasound imaging (8 min)
Zuzanna Magnuska; Aachen / Germany

RPS 1805a-10 - A multicentric study to evaluate the effectiveness of machine learning over thermal images for detecting suspected breast cancer (8 min)
Sudhakar Sampangi; Bangalore / India
RPS 1805a-11 - Breast tissue segmentation in digital mammography using deep learning: one method for multiple views and vendors (8 min)
Sarah Verboom; Nijmegen / Netherlands
RPS 1809 - Interventional ablation therapy outside the liver

Categories: Interventional Oncologic Radiology, Interventional Radiology, Multidisciplinary
Date: July 16, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
Brian Lucey; Kilcolgan, Galway / Ireland

RPS 1809-2 - Does ramping power protocol reduce complications in patients treated with image-guided microwave ablation for renal tumours? (8 min)
Elena Lucertini; Rome / Italy

RPS 1809-3 - Radiofrequency ablation for treatment of abdominal wall endometriosis (8 min)
Seyed Ali Akbar Mahdavi Anari; Tehran / Iran

RPS 1809-4 - Early assessment of MRI signal intensity of irreversible electroporation in pancreatic cancer (8 min)
Oliwia Wiktoria Kozak; Gdansk / Poland

RPS 1809-5 - Imaging and response characteristics of Desmoid tumours following percutaneous cryoablation (8 min)
Edward Johnston; London / UK

RPS 1809-6 - Safety of MR-guided High Intensity Focused Ultrasound (MRgHIFU) in the treatment of bone metastases (8 min)
Valerio D'Agostino; Parete / Italy

RPS 1809-7 - Electrochemotherapy (ECT) with bleomycin in the treatment of bone metastases (8 min)
Nicolas Papalexis; Bologna / Italy

RPS 1809-8 - Correlation of hormone indices and collimated C-arm CT findings for adrenal venous sampling in primary hyperaldosteronism (8 min)
Lena Becker; Hannover / Germany

RPS 1809-9 - Metal artifact reduction algorithm for monitoring and assessing ablation zones during CBCT guided pulmonary microwave ablation in an ex vivo porcine model: a qualitative and quantitative study (8 min)
Mesut Öztürk; Samsun / Turkey

RPS 1809-10 - Long-term outcomes in percutaneous cryoablation of tumours in solitary kidneys (8 min)
Federica Segato; Rosà / Italy
RPS 1809-11 - Cryoablation versus partial nephrectomy for clinical stage T1 renal masses: a systematic review and meta-analysis (8 min)
Ying Xu; Beijing / China

RPS 1809-12 - Optimising CT-guided bone biopsies in cancer patients (8 min)
Ricardo Donners; Basel / Switzerland
RPS 1812 - Neuroimaging: from foetus to adolescent

Categories: Neuro, Paediatric Imaging
Date: July 16, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
Marie Blouet; Nice / France

RPS 1812-2 - Quantitative MRI of the human fetal ganglionic eminence: neuroradiological insights into a transient brain structure (8 min)
Marlene Stümpflen; Vienna / Austria

RPS 1812-3 - In utero tractography of the ganglionic eminence in the human fetal brain (8 min)
Christian Mitter; Vienna / Austria

RPS 1812-4 - Fetal 4D flow MRI of the thoracic aorta at 3 Tesla using Doppler-ultrasound gating (8 min)
Alexander Lenz; Hamburg / Germany

RPS 1812-5 - In utero effects of prenatal alcohol exposure on the human fetal brain: an atlas-based MRI study (8 min)
Marlene Stümpflen; Vienna / Austria

RPS 1812-6 - Normogram on transfontanellar Doppler indices and cerebral blood flow velocities in healthy preterm and term neonates within 72 hours of life (8 min)
Kajal Limbad; Vadodara / India

RPS 1812-7 - A novel nomogram based on volumetric quantitative MRI and clinical features for the prediction of neonatal intracranial hypertension (8 min)
Yan Qin; Changsha / China

RPS 1812-8 - Sevoflurane sedation in children leads to "pseudo" leptomeningeal enhancement in brain on 3-Tesla MRI; a singlecentre study. (8 min)
Kiran Hilal; Karachi / Pakistan

RPS 1812-9 - Dual-layer spectral CT improves image quality of paediatric cerebral unenhanced CT scan (8 min)
Jing Wang; Wuhan / China

RPS 1812-10 - Gadolinium-based contrast agents can cross non-nervous cell membranes rather than remain confined to the extracellular compartment of the central nervous system (8 min)
Floriana Zennaro; Trieste / Italy
RPS 1812-11 - Application of three-dimensional arterial spin labelling (3D-ASL) perfusion imaging in the brain of children with autism (8 min)
Shilong Tang; Chongqing / China

RPS 1812-12 - MRI of the optic nerve: evaluation of reference values in children and adolescents (8 min)
Hans-Joachim Mentzel; Jena / Germany
RPS 1816 - Genito-urinary tumours

Categories: Abdominal Viscera, Genitourinary, Imaging Methods, Oncologic Imaging
Date: July 16, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator: Davide Prezzi; London / United Kingdom

RPS 1816-2 - Repeatability of quantitative individual lesion and total disease multiparametric whole-body MRI measurements in prostate cancer bone metastases (8 min)
Ricardo Donners; Basel / Switzerland

RPS 1816-3 - Hyperpolarised 13C-pyruvate MRI as a non-invasive read-out of tumour grade in renal cell carcinoma (8 min)
Stephan Ursprung; Tübingen / Germany

RPS 1816-4 - Early reduction in spectral dual-layer detector CT parameters as favourable imaging biomarkers in patients with metastatic renal cell carcinoma (8 min)
Aska Drljevic-Nielsen; Aarhus / Denmark

RPS 1816-5 - Evaluation of immunotherapy response with CT histogram analysis in metastatic Renal Cell Carcinoma (8 min)
Sıla Cankaya; Ankara / Turkey

RPS 1816-6 - Validation of PI-RADS v2 for detection of prostate cancer among readers with different degree of experience using US/MRI fusion guided prostate biopsy as reference standard (8 min)
Jinxing Yu; Richmond / United States

RPS 1816-7 - Utility of IVIM combined with APTw value to evaluate Gleason grading of prostate cancer (8 min)
Yunsong Liu; Dalian / China

RPS 1816-8 - Repeatability and reproducibility of fat-fraction in prostate cancer patients with bone metastases: intra and inter-reader agreement of single-slice and volumetric first-order features (8 min)
Chiara Saeli; Brescia / Italy

RPS 1816-9 - The estimated volume index (EVI); a new practical approach for treatment response monitoring in advanced ovarian cancer patients treated with neoadjuvant chemotherapy (8 min)
Eva Berardi; roma / Italy
RPS 1816-10 - CT radiomic based models to predict residual disease and early recurrence in primary debulked ovarian cancer (8 min)
Gregorio Aluffi; Verona / Italy

RPS 1816-11 - Histogram analysis for characterisation of indeterminate adrenal nodules (8 min)
Abdellatif Masmoudi; Tunis / Tunisia
RPS 1805b - Artificial intelligence (AI) in prostate imaging

**Categories:** Artificial Intelligence & Machine Learning, Genitourinary, Imaging Informatics, Oncologic Imaging

**Date:** July 16, 2022 | 10:30 - 11:30 CEST

**CME Credits:** 1

**Moderator:**
Sergey Morozov; Liège / Belgium

RPS 1805b-2 - Feasibility of prostate mpMRI sequence classification based on deep learning (8 min)
Zhaonan Sun; Beijing / China

RPS 1805b-3 - Metadata-independent classification of MRI sequences using convolutional neural networks: successful application to prostate MRI (8 min)
Georg Baumgärtner; Berlin / Germany

RPS 1805b-4 - Characterisation of prostate cancer at multiparametric MRI using machine learning: development and assessment of a zone-specific computer-aided diagnosis system (8 min)
Tristan Jaouen; Lyon / France

RPS 1805b-5 - Interactive deep-learning-based real-time three-dimensional lesion segmentation from single point seeds in prostate MRI (8 min)
Adrian Schrader; Heidelberg / Germany

RPS 1805b-6 - AI assisted biparametric MRI surveillance of prostate cancer: feasibility study (8 min)
Christian Roest; Groningen / Netherlands

RPS 1805b-7 - Accelerated T2-weighted TSE imaging of the prostate using deep learning image reconstruction: a prospective comparison with standard T2-weighted TSE imaging (8 min)
Sebastian Gassenmaier; Tuebingen / Germany

RPS 1805b-8 - Detection and segmentation of pelvic bones metastases on DWI images for patients with prostate cancer based on deep learning (8 min)
Xiang Liu; Beijing / China
RPS 1804 - The evolution of COVID imaging

Categories: Artificial Intelligence & Machine Learning, Chest, Imaging Methods
Date: July 16, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
Eva Kocova; Hradec Kralove / Czechia

RPS 1804-2 - Long-term follow-up of pulmonary arterial circulation after hospitalisation for SARS-CoV-2 pneumonia: dual-energy CT angiographic study in 79 patients (8 min)
Martine Rémy-Jardin; Lille / France

RPS 1804-3 - The impact of vaccination on the severity of COVID-19 pneumonia: effectiveness of mRNA and adenovirus vector vaccines and comparison between vaccinated and unvaccinated patients (8 min)
Simone Vicini; Sora / Italy

RPS 1804-4 - Does submillisievert chest CT imaging impair diagnostic value in patients with suspected SARS-CoV-2 infection (8 min)
Hans-Martin Thieß; Berlin / Germany

RPS 1804-5 - Possible alterations of imaging patterns in computed tomography for Delta-VOC of SARS-CoV-2 (8 min)
Can Yueksel; Aachen / Germany

RPS 1804-6 - Impact of vaccination on COVID-related pneumonia: use of "CT severity score" in vaccinated and non-vaccinated patients during SARS-CoV-2 infection (8 min)
Giorgio Maria Masci; Rome / Italy

RPS 1804-7 - Diagnostic performance in differentiating COVID-19 from other viral pneumonias on CT imaging: multi-reader analysis compared with an artificial intelligence model (8 min)
Francesco Rizzetto; Rho / Italy

RPS 1804-8 - A combined risk model using imaging and clinical parameters in COVID-19 patients from a nationwide German cohort to predict disease progression (8 min)
Rebecca Armbruster; Frankfurt a. Main / Germany

RPS 1804-9 - Risk stratification of hospitalised patients with COVID-19 pneumonia by chest radiograph scoring in a tertiary hospital in Johannesburg, South Africa (8 min)
Hendrik Labuschagne; Johannesburg / South Africa
RPS 1804-10 - Chest CT characteristics are strongly predictive of mortality in patients with COVID-19 pneumonia: a multicentric cohort study (8 min)
Damien Geindreau; London / UK

RPS 1804-11 - Text mining of radiology reports to calculate "number needed to image" for the detection of pulmonary infection shows seasonality and real-time course of the COVID-19 pandemic (8 min)
Tobias Heye; Basel / Switzerland
RPS 1811 - Advanced neuroimaging in various diseases

**Categories:** Artificial Intelligence & Machine Learning, Imaging Methods, Neuro

**Date:** July 16, 2022 | 10:30 - 11:30 CEST

**CME Credits:** 1

**Moderator:**
Sven Haller; Geneve / Switzerland

RPS 1811-2 - Distinct brain structural-functional network topological coupling explains different outcomes in tinnitus patients treated with sound therapy (8 min)
Qian Chen; Beijing / China

RPS 1811-3 - Periventricular radiomic features in differentiating neuromyelitis optica spectrum disorder (NMOSD) and multiple sclerosis (MS) (8 min)
Viknesh Balasingam; klang / Malaysia

RPS 1811-4 - Intraspinal stem cell infusion in amyotrophic lateral sclerosis patients: longitudinal analysis of MR spectroscopy ratios, cortical thickness, clinical parameters and survival (8 min)
Carmen Trejo Gallego; Murcia / Spain

RPS 1811-5 - Validation of automated MS lesion detection in two independent cohorts (8 min)
Peter Ngum; Turku / Finland

RPS 1811-6 - Comparison of quick-brain and routine-brain image quality measured via MRQy, an open-source quality-control tool for imaging (8 min)
Bronson Ciavarra; Richmond / United States

RPS 1811-7 - Radiomics in MRI in the study of patients with multiple sclerosis (8 min)
Melania Stubos; Trieste / Italy

RPS 1811-8 - Left inferior frontal gyrus neuroplastisity during novel speech-sound learning: an fMRI and DTI study (8 min)
Sahal Saad AL Otaibi; Liverpool / UK
RPS 1801 - New techniques in abdominal imaging

**Categories:** Abdominal Viscera, Contrast Media, GI Tract, Imaging Methods, Research

**Date:** July 16, 2022 | 10:30 - 12:00 CEST

**CME Credits:** 1.5

**Moderator:**
Monique Maas; Amsterdam / Netherlands

**RPS 1801-2 - Value of dual-energy CT late arterial phase iodine maps for the diagnosis of acute bowel ischaemia: initial results** (8 min)
Christian Booz; Frankfurt a. Main / Germany

**RPS 1801-3 - Liver and spleen MR elastography, T1/T2 mapping for detection-staging of liver fibrosis and prediction of oesophageal varices** (8 min)
Gökhan Mert Özyurt; Yenisehir mersin / Turkey

**RPS 1801-4 - Assessing pancreatic fibrosis and treatment response with dynamic contrast-enhanced MRI: an experimental chronic pancreatitis animal model induced by dibutylin dichloride** (8 min)
Yimei Lu; shanghai / China

**RPS 1801-5 - Non-alcoholic fatty pancreatic disease determined by unenhanced CT: evaluation of the association with hepatosteatosis, visceral adiposity and epicardial adipose tissue volume** (8 min)
Gülsüm Bahadır; ANKARA / Turkey

**RPS 1801-6 - Bowel preparation in MRI for detection of endometriosis: comparison of the effect of an enema, no additional medication and intravenous butylscopolamine on image quality** (8 min)
Isabeau Ciggaar; The Hague / Netherlands

**RPS 1801-7 - Growth kinetics of pancreatic neuroendocrine tumours by histopathologic grade** (8 min)
Justin Tse; Stanford / United States

**RPS 1801-8 - An imaging spectrum of IgG4-RD with analysis of post-treatment imaging response** (8 min)
Nikrish Hegde; Mumbai / India

**RPS 1801-9 - Effect of an online reference system on the diagnosis of rare abdominal tumours** (8 min)
Matthias Woeltjen; Minden / Germany

**RPS 1801-10 - Single vs. multi-level comparison of visceral fat estimation on abdominal CT** (8 min)
Varut Vardhanabhuti; Hong Kong / Hong Kong SAR China
RPS 1801-11 - The integrative role of magnetic resonance cholangiopancreatography and percutaneous transhepatic cholangiography in malignant obstructive jaundice (8 min)

Omar Hamada; Cairo / Egypt
CUBE 19 - Case studies presented through quiz

Categories: Emergency Imaging, Interventional Radiology, Neuro, Vascular
ETC Level: LEVEL II
Date: July 16, 2022 | 10:30 - 11:00 CEST
CME Credits: 0.5

- Quiz (30 min)
Riyad Hanafi; Lille / France
OF 18Y - Career paths: subspecialisation (part 2)

Categories: Education, General Radiology, Multidisciplinary, Professional Issues, Students
ETC Level: ALL LEVELS
Date: July 16, 2022 | 10:30 - 11:30 CEST
CME Credits: 1

Moderator:
Apostolos H. Karantanas; Heraklion / Greece

OF 18Y-1 - Chairperson’s introduction (5 min)
Apostolos H. Karantanas; Iraklion / Greece

OF 18Y-2 - Breast imaging (EUSOBI) (10 min)
Pascal A.T. Baltzer; Vienna / Austria

OF 18Y-3 - GI and abdominal imaging (ESGAR) (10 min)
Andrea Laghi; Rome / Italy

OF 18Y-4 - Interventional oncology (CIRSE) (10 min)
Fernando Gómez Muñoz; Barcelona / Spain
José María Balibrea Del Castillo; Barcelona / Spain

OF 18Y-5 - Discussion (25 min)
E³ 1831 - Common and less common pleural neoplasms: a multidisciplinary approach

**Categories:** Chest, Multidisciplinary, Oncologic Imaging  
**ETC Level:** ALL LEVELS  
**Date:** July 16, 2022 | 10:30 - 12:00 CEST  
**CME Credits:** 1.5  

**Moderator:**  
Marie-Pierre Revel; Paris / France

**E³ 1831-1 - Chairperson's introduction** (5 min)  
Marie-Pierre Revel; Paris / France

**E³ 1831-2 - How to manage pleural neoplasms: the clinician's perspective** (15 min)  
Nicolas Girard; Paris / France

**E³ 1831-3 - How to diagnose and stage malignant mesothelioma** (10 min)  
Fergus Gleeson; Oxford / UK

**E³ 1831-4 - Less common pleural malignancies: how to recognise them on CT** (15 min)  
Marie-Pierre Revel; Paris / France

**E³ 1831-5 - Multidisciplinary tumour board: case-based panel discussion** (45 min)  
Marie-Pierre Revel; Paris / France  
Thomas Klikovits; Vienna / Austria
RT 18 - Building bridges: interventional oncology, one of the four pillars in cancer care

Categories: Interventional Radiology, Multidisciplinary, Oncologic Imaging, Professional Issues, Radiographers
ETC Level: LEVEL II+III
Date: July 16, 2022 | 10:30 - 11:30 CEST
CME Credits: 1

Moderators:
Regina G. H. Beets-Tan; Amsterdam / Netherlands
Carlo Catalano; Roma / Italy

RT 18-1 - Chairpersons' introduction (2 min)
Regina G.H. Beets-Tan; Amsterdam / Netherlands
Carlo Catalano; Rome / Italy

RT 18-2 - Interventional oncology: one of the four pillars in cancer care (8 min)
Thomas K. Helmberger; Munich / Germany

RT 18-3 - Surgical oncology: towards minimally invasive (8 min)
Guido Torzilli; Milan / Italy

RT 18-4 - Medical oncology: complementary to local treatment (8 min)
Andres Cervantes; Valencia / Spain

RT 18-5 - Discussion (34 min)
Thomas K. Helmberger; Munich / Germany
Adrian Brady; Cork / Ireland
Guido Torzilli; Milan / Italy
RC 1815 - To be up to every trick: revascularisation techniques to master complex vascular cases

**Categories:** Cardiac, Interventional Radiology, Neuro, Vascular

**ETC Level:** LEVEL III

**Date:** July 16, 2022 | 10:30 - 11:30 CEST

**CME Credits:** 1

**Moderator:**

Raman Uberoi; Oxford / United Kingdom

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**RC 1815-1 - Chairperson’s introduction** (5 min)

Raman Uberoi; Oxford / UK

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**RC 1815-2 - Re-entry techniques** (10 min)

Ralph Kickuth; Würzburg / Germany

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**RC 1815-3 - Atherectomy and thrombectomy** (10 min)

Ulf K.M. Teichgräber; Jena / Germany

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**RC 1815-4 - Pedal arch revascularisation: everything that you need to know** (10 min)

Lorenzo Patrone; London / UK

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**RC 1815-5 - Venous arterialisation for critical limb ischaemia (CLI)** (10 min)

Costantino Del Giudice; Paris / France

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**RC 1815-6 - Panel discussion: Techniques for everyone?** (15 min)
RC 1803 - Imaging patients at risk of sudden cardiac death

**Categories:** Cardiac, Emergency Imaging, Imaging Methods, Professional Issues  
**ETC Level:** LEVEL II+III  
**Date:** July 16, 2022 | 10:30 - 11:30 CEST  
**CME Credits:** 1

**Moderator:**  
Jan Bogaert; Leuven / Belgium

**RC 1803-1 - Chairperson's introduction** (5 min)  
Jan Bogaert; Leuven / Belgium

**RC 1803-2 - Assessing cardiomyopathy and cardiac risk with MRI** (15 min)  
Declan O'Regan; London / UK

**RC 1803-3 - Imaging prior to ablation of ventricular arrhythmia** (15 min)  
Hubert Cochet; Pessac / France

**RC 1803-4 - Cardiac devices: how to image the patient and optimise image quality** (15 min)  
Antonio Esposito; Milan / Italy

**RC 1803-5 - Panel discussion: How should we determine who is at risk of sudden cardiac death? Is screening the answer?** (10 min)
OF 18R - Cardiac: protocols for imaging

Categories: Cardiac, Imaging Methods, Radiographers
Date: July 16, 2022 | 10:30 - 11:30 CEST
CME Credits: 1

Moderator:
Martin Weber Kusk; Esbjerg / Denmark

OF 18R-2 - Cardiac CT: presentation radiographer (10 min)
Marcel L. Dijkshoorn; Rotterdam / Netherlands

OF 18R-3 - Cardiac CT: presentation radiologist (10 min)
Ricardo P.J. Budde; Rotterdam / Netherlands

OF 18R-4 - Discussion (10 min)

OF 18R-5 - Cardiac MRI: presentation radiographer (10 min)
Niels Blanken; Utrecht / Netherlands

OF 18R-6 - Cardiac MRI: presentation radiologist (10 min)
Dietrich Beitzke; Vienna / Austria

OF 18R-7 - Discussion (10 min)
OF 18b - Safety in radiology: advancing medical imaging to the next level with EIBIR support

Categories: Contrast Media, EuroSafe Imaging/Radiation Protection, Imaging Methods, Management/Leadership, Research

ETC Level: LEVEL III

Date: July 16, 2022 | 10:30 - 11:30 CEST

CME Credits: 1

Moderators:
Gabriel P. Paul Krestin; Rotterdam / Netherlands
Marion Smits; Rotterdam / Netherlands

OF 18b-1 - Chairperson's introduction (5 min)
Gabriel P. Krestin; Rotterdam / Netherlands

OF 18b-2 - Alternatives to gadolinium: developing an alternative to gadolinium-based contrast agents (GBCAs) (15 min)
Rachel Katz-Brull; Jerusalem / Israel

OF 18b-3 - Radiation risk appraisal for detrimental effects from radiation exposure during the management of patients with cancer: the SINFONIA project (15 min)
Alexandru Dasu; Uppsala / Sweden

OF 18b-4 - EIBIR activities and upcoming funding opportunities (10 min)
Peter Gordebeke; Vienna / Austria

OF 18b-5 - Open forum discussion (15 min)
IF 18 - Early detection and early diagnosis of prostate cancer, lung cancer and the involvement of radiologists

Categories: Chest, General Radiology, Genitourinary
Date: July 16, 2022 | 10:30 - 11:30 CEST
CME Credits: 1

Moderators:
Gualtiero Walter Ricciardi; Rome / Italy
Tobias Penzkofer; Berlin / Germany

IF 18-3 - Introduction (10 min)
Gualtiero Ricciardi; Rome / Italy

IF 18-4 - Radiology in the 2021 guidelines on the early detection and diagnosis of prostate cancer (10 min)
Tobias Penzkofer; Berlin / Germany

IF 18-5 - The patient's view on early detection and diagnosis of prostate cancer (10 min)
Erik Briers; Hasselt / Belgium

IF 18-6 - Lung cancer early detection and diagnosis: the value of radiology (10 min)
Caro Franck; Edegem / Belgium

IF 18-7 - The patient's view on early detection and diagnosis of lung cancer (10 min)
Anne-Marie Baird; Dublin / Ireland

IF 18-8 - Panel discussion: How can we reach the objectives to organise early detection and diagnosis of cancers in Europe for high prevalence cancers? (10 min)
E³ 30D - Better, faster, and artificial intelligence (AI)-driven MR imaging

Categories: Artificial Intelligence & Machine Learning, Imaging Informatics, Imaging Methods, Neuro
ETC Level: LEVEL I+II
Date: July 16, 2022 | 10:30 - 11:30 CEST
CME Credits: 1

Moderator:
Xavier Xavier Golay; London / United Kingdom

E³ 30D-2 - An introduction to MRI fingerprinting (20 min)
Vera C. Keil; Amsterdam / Netherlands

E³ 30D-3 - Is a 1-minute AI-driven brain MRI a feasible option for routine imaging? (20 min)

E³ 30D-4 - Head-only MRI scanners: why they have not yet happened, or have they? (20 min)
Thomas O'Reilly; Leiden / Netherlands
E³ 1821 - Pelvic pain in female patients

Categories: Abdominal Viscera, Emergency Imaging, Genitourinary, Imaging Methods, Oncologic Imaging
ETC Level: LEVEL II+III
Date: July 16, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

E³ 1821-1 - Acute pain (45 min)
Milagros Otero García; Vigo / Spain

E³ 1821-2 - Chronic pain (45 min)
Marcia C. Javitt; Haifa / Israel
E³ 1820 - Colorectal cancer liver metastases: a multidisciplinary management of tricky cases

Categories: Abdominal Viscera, GI Tract, Interventional Oncologic Radiology, Multidisciplinary, Oncologic Imaging

ETC Level: LEVEL II+III

Date: July 16, 2022 | 10:30 - 12:00 CEST

CME Credits: 1.5

Moderator:
Ahmed Ba-Ssalamah; Vienna / Austria

E³ 1820-1 - Chairperson's introduction (5 min)
Ahmed Ba-Ssalamah; Vienna / Austria

E³ 1820-2 - Colorectal liver cancer metastases: critical appraisal of current imaging techniques (15 min)
Ahmed Ba-Ssalamah; Vienna / Austria

E³ 1820-3 - How to manage colorectal cancer liver metastases and disappearing colorectal cancer liver metastases: the role of surgery (15 min)
Stefan Stättner; Vöcklabruck / Austria

E³ 1820-4 - The role of interventional radiology (15 min)
Martijn Meijerink; Amsterdam / Netherlands

E³ 1820-5 - Multidisciplinary tumour board: case-based panel discussion (40 min)
Ahmed Ba-Ssalamah; Vienna / Austria
E³ 1819 - Bone tumours: a multidisciplinary approach

Categories: Imaging Methods, Multidisciplinary, Musculoskeletal, Oncologic Imaging
ETC Level: LEVEL III
Date: July 16, 2022 | 10:30 - 12:00 CEST
CME Credits: 1.5

Moderator:
Koenraad Verstraete; Sint-Michiels / Belgium

E³ 1819-1 - Chairperson’s introduction (5 min)
Koenraad Verstraete; Ghent / Belgium

E³ 1819-2 - Optimal radiology of bone tumours: which questions need addressing? (15 min)
Koenraad Verstraete; Ghent / Belgium

E³ 1819-3 - What does the oncologic orthopaedic surgeon need from the radiologist? (15 min)
Gwen Sys; Ghent / Belgium

E³ 1819-4 - Panel discussion: The MDT on bone tumours (55 min)
Koenraad Verstraete; Ghent / Belgium
Gwen Sys; Ghent / Belgium
E³ 1818 - Peritoneal carcinomatosis in ovarian cancer: a multidisciplinary approach in real life

**Categories:** Genitourinary, GI Tract, Imaging Methods, Multidisciplinary, Oncologic Imaging  
**ETC Level:** LEVEL II+III  
**Date:** July 16, 2022 | 10:30 - 12:00 CEST  
**CME Credits:** 1.5

**Moderator:**  
Stephanie Nougaret; St Clement de Riviere / France

E³ 1818-1 - **Chairperson’s introduction** (5 min)  
Stephanie Nougaret; Montpellier / France

E³ 1818-2 - **Is my patient a good candidate for hyperthermic intraperitoneal chemotherapy (HIPEC)? The surgeon’s perspective** (15 min)  
François Quenet; Montpellier / France

E³ 1818-3 - **What the surgeon and gynaecological oncologist expect from the radiologist: the radiologist’s perspective** (15 min)  
Stephanie Nougaret; Montpellier / France

E³ 1818-4 - **Multidisciplinary tumour board: case-based panel discussions** (55 min)  
Stephanie Nougaret; Montpellier / France
AI 17 - Labyrinth of EU AI Regulations

Categories: Artificial Intelligence & Machine Learning
Date: July 16, 2022 | 12:00 - 13:00 CEST
CME Credits: 1

Moderator:
Alexander Boehmcker; Barcelona / Spain

AI 17-1 - Introduction (3 min)
Alexander Bömcker; Barcelona / Spain

AI 17-2 - Labyrinth of EU AI Regulations (42 min)
Kerstin Vokinger; Zurich / Switzerland

AI 17-3 - Q&A (15 min)
E³ 25E - Chronic pancreatitis

**Categories:** Abdominal Viscera, GI Tract, Imaging Methods  
**ETC Level:** LEVEL I+II  
**Date:** July 16, 2022 | 12:30 - 13:30 CEST  
**CME Credits:** 1

**Moderator:**  
Wolfgang Schima; Vienna / Austria

**E³ 25E-2 - How to diagnose and classify (30 min)**  
Fatih Akisik; Indianapolis, IN / United States

**E³ 25E-3 - Functional evaluation of chronic pancreatitis (30 min)**  
Riccardo Manfredi; Rome / Italy
OF 19a - How to get my manuscript accepted: tips and tricks from the editors

**Categories:** Education, General Radiology, Research
**ETC Level:** LEVEL II+III
**Date:** July 16, 2022 | 12:30 - 13:30 CEST
**CME Credits:** 1

**Moderator:**
Marion Smits; Rotterdam / Netherlands

**OF 19a-1 - Chairperson's introduction** (5 min)
Marion Smits; Rotterdam / Netherlands

**OF 19a-2 - How to "polish" a submission** (5 min)
Yves Menu; Paris / France

**OF 19a-3 - How to reply to reviewers' criticism** (5 min)
Francesco Sardanelli; San Donato Milanese / Italy

**OF 19a-4 - How to manage critical reviews** (5 min)
Luis Martí-Bonmatí; Valencia / Spain

**OF 19a-5 - Open forum discussion** (40 min)
Meets 19 - Practicing a multidisciplinary approach in Ukrainian radiology

Categories: Artificial Intelligence & Machine Learning, Genitourinary, Hybrid Imaging, Multidisciplinary, Ultrasound
ETC Level: LEVEL II+III
Date: July 16, 2022 | 12:30 - 13:30 CEST
CME Credits: 1

Moderators:
Regina G. H. Beets-Tan; Amsterdam / Netherlands
Tetyana Yalynska; Kyiv / Ukraine

Meets 19-3 - Welcome by the ESR president (2 min)
Regina G.H. Beets-Tan; Amsterdam / Netherlands

Meets 19-4 - Introduction: Ukrainian radiologists on the way to new achievements as part of multidisciplinary teams (7 min)
Tetyana Yalynska; Kiev / Ukraine

Meets 19-5 - Radiogenomics of the renal cell carcinoma: a multidisciplinary approach (15 min)
Yulian Mytsyk; Lviv / Ukraine

Meets 19-6 - Multiparametric ultrasound diagnostic (mp-US) of non-alcoholic fatty liver disease (NAFLD) and its complications (15 min)
Oleh Dynnyk; Kiev / Ukraine

Meets 19-7 - Additive value of hybrid imaging in the multidisciplinary team management of oncologic patients (15 min)
Mykola Novikov; Kiev / Ukraine

Meets 19-8 - Panel discussion: How do the advances in radiology affect the personification of medical care? (6 min)
IF 19b - Relaxation: quick communication training BATEHing method

**Categories:** General Radiology, Multidisciplinary, Radiographers
**Date:** July 16, 2022 | 12:30 - 13:30 CEST
**CME Credits:** 1

**Moderators:**
Andrea Grace Rockall; Godalming / United Kingdom
Caroline Justich; Vienna / Austria

**IF 19b-3 - An introduction to Mindfulness Based Stress Release (MBSR) (30 min)**
Michaela Kainz; Vienna / Austria

**IF 19b-4 - Why the right doctor-patient interaction is so important and what is planned to achieve the goal (20 min)**
Andrea G. Rockall; London / UK

**IF 19b-5 - An introduction to the BATHing method (10 min)**
Caroline Justich; Vienna / Austria
PP 19 - Breast diseases and paediatric imaging

Categories: Breast, Paediatric Imaging, Radiographers
Date: July 16, 2022 | 12:30 - 13:30 CEST
CME Credits: 1
Moderator: Wendelien Sanderink; Nijmegen / Netherlands

PP 19-2 - Calcifications with suspicious morphology: CESM findings and radiologic-pathologic correlation (8 min)
Daniel Calvo Gijón; Sevilla / Spain

PP 19-4 - Imaging features of breast disease in PHTS women (8 min)
Alma Hoxhaj; Amsterdam / Netherlands

PP 19-5 - Unilateral axillary lymphadenopathy after COVID-19 vaccination: a pictorial review (8 min)
Ana Teresa Teixeira; Algés / Portugal

PP 19-6 - Performance and dose dependency of computer-aided detection (CAD) of pulmonary nodules in tin-filtered paediatric ultra low dose chest CT (8 min)
Philipp Josef Kuhl; Würzburg / Germany

PP 19-7 - Neonatal lung ultrasound guidelines: radiologists or neonatologists? (8 min)
Alba Maria Castaño Ramirez; Málaga / Spain

PP 19-8 - Use of arterial spin labelling (ASL) perfusion in the evaluation of paediatric patients with new onset focal neurological deficit in acute settings (8 min)
Francesco Dellepiane; Rome / Italy

PP 19-9 - Feasibility of contrast enhanced voiding urosonography for the assessment of vesico-ureteral reflux in children with UTI (8 min)
Sonia Tamasi; Naples / Italy

PP 19-10 - Diagnostic accuracy of post-mortem imaging compared to conventional autopsy in identifying the cause of death in children: a systematic review (8 min)
Salman Almutairi; Sheffield / UK

PP 19-11 - Evaluation of pectus excavatum deformity through computed tomography in a paediatric population (8 min)
Daniela Santos; Santarém / Portugal
IF 19a - Communication between radiologist and patient in 2030: ways towards digital health solutions

Categories: Artificial Intelligence & Machine Learning, General Radiology, Professional Issues
Date: July 16, 2022 | 12:30 - 13:30 CEST
CME Credits: 1

Moderators:
Adrian Brady; Cork / Ireland
Erik Briers; Brussels / Belgium

IF 19a-3 - Introduction: the way towards digitalised medicine (5 min)
Adrian Brady; Cork / Ireland

IF 19a-4 - The radiologist's view on their digital future (10 min)
Elmar Kotter; Freiburg / Germany

IF 19a-5 - How secured digital communication can be provided between doctors, patients and other health care providers (10 min)
Anne Busch; Wiener Neustadt / Austria

IF 19a-6 - The underprivileged patient and the drive towards the digital world (10 min)
Erik Briers; Hasselt / Belgium

IF 19a-7 - Panel discussion: How can we maximise the valuable effects of digital health solutions in a world where, even today, so many have no connection to the digital world and lack digital skills and even learning capacity? (25 min)
E³ 30E - What is new in the imaging of brain tumours

Categories: Imaging Methods, Neuro, Oncologic Imaging
ETC Level: LEVEL I+II
Date: July 16, 2022 | 12:30 - 13:30 CEST
CME Credits: 1

Moderator:
Birgit B. Ertl-Wagner; Toronto / Canada

E³ 30E-2 - How to report follow-up examinations in patients with brain tumours (20 min)
Alessandro Cianfoni; Rome / Italy

E³ 30E-3 - A critical appraisal of advanced imaging techniques in brain tumours (20 min)
Simona Gaudino; Rome / Italy

E³ 30E-4 - Imaging findings in unusual brain tumours (20 min)
Antonella Castellano; Milan / Italy
RC 1910 - Pros and cons: MRI is the preferred imaging modality in musculoskeletal imaging

**Categories:** Imaging Methods, Interventional Oncologic Radiology, Musculoskeletal, Oncologic Imaging, Professional Issues

**ETC Level:** LEVEL III

**Date:** July 16, 2022 | 12:30 - 13:30 CEST

**CME Credits:** 1

**Moderator:**
Anagha P. Parkar; Bergen / Norway

**RC 1910-1 - Chairperson’s introduction** (5 min)
Anagha P. Parkar; Bergen / Norway

**RC 1910-2 - PRO** (15 min)
Alexandra S. Gersing; Munich / Germany

**RC 1910-3 - CON** (15 min)
Alain Blum; Nancy / France

**RC 1910-4 - Panel discussion: Overall clinical use of MRI versus dual energy CT in MSK practice (strengths, weaknesses, and pitfalls) and how to implement it** (25 min)
E³ 24E - Is it a bone tumour?

Categories: General Radiology, Imaging Methods, Musculoskeletal, Neuro, Oncologic Imaging
ETC Level: LEVEL I+II
Date: July 16, 2022 | 12:30 - 13:30 CEST
CME Credits: 1

Moderator:
Violeta Vasilevska Nikodinovska; Skopje / Macedonia

E³ 24E-2 - The lytic lesion (18 min)
Ustun Aydingoz; Ankara / Turkey

E³ 24E-3 - The sclerotic lesion (18 min)
Johan L. Bloem; Leiden / Netherlands

E³ 24E-4 - Pseudotumours (18 min)
Apostolos H. Karantanas; Iraklion / Greece

E³ 24E-5 - Panel discussion (6 min)
BS 19 - Enhancing radiographer communication

**Categories:** EuroSafe Imaging/Radiation Protection, Professional Issues, Radiographers, Students
**Date:** July 16, 2022 | 12:30 - 13:30 CEST
**CME Credits:** 1

**Moderator:**
Berit Møller Møller Christensen; Jönköping / Sweden

**BS 19-2 - Optimising communication strategies** (18 min)
Amy Taylor; Exeter / UK

**BS 19-3 - Communicating benefit versus risk** (18 min)
Jonathan Portelli; Msida / Malta

**BS 19-4 - Patient-centred care and communication** (18 min)
Emma Hyde; Derby / UK

**BS 19-5 - Panel discussion: How can we achieve enhanced communication whilst being time effective?** (6 min)
OF 19Y - Career paths: research

Categories: Education, Professional Issues, Research, Students
ETC Level: ALL LEVELS
Date: July 16, 2022 | 12:30 - 13:30 CEST
CME Credits: 1

Moderator:
Valérie Vilgrain; Clichy / France

OF 19Y-1 - Chairperson's introduction (2 min)
Valérie Vilgrain; Clichy / France

OF 19Y-2 - How to build/facilitate a research career (10 min)
Jaap Stoker; Amsterdam / Netherlands

OF 19Y-3 - The young academic radiologist: what are the attractions and difficulties (10 min)
Nikolaos Kartalis; Stockholm / Sweden

OF 19Y-4 - Discussion (38 min)
RT 19 - Building bridges: endovascular treatment (EVT) of acute ischaemic stroke - optimising stroke networks

Categories: Emergency Imaging, Interventional Radiology, Multidisciplinary, Professional Issues
ETC Level: LEVEL II+III
Date: July 16, 2022 | 12:30 - 13:30 CEST
CME Credits: 1

Moderator:
Wim van Zwam; Maastricht / Netherlands

RT 19-1 - Chairperson's introduction (2 min)
Wim van Zwam; Maastricht / Netherlands

RT 19-2 - What is a spoke and hub, drip 'n' ship, drip 'n' drive or a level 1, 2 and 3 stroke centre? (8 min)
Marios Psychogios; Basel / Switzerland

RT 19-3 - Bypassing primary stroke centres: when to do it and when not? (8 min)
Marc Ribo; Barcelona / Spain

RT 19-4 - When there are not enough INRs: are other specialists a helping hand or a threat? (8 min)
Marta Rubiera; Barcelona / Spain

RT 19-5 - Discussion (34 min)
Valeria Caso; Perugia / Italy
Marios Psychogios; Basel / Switzerland
Marc Ribo; Barcelona / Spain
RC 1906 - State of the art and emerging applications for PET

Categories: Hybrid Imaging, Molecular Imaging, Nuclear Medicine, Oncologic Imaging, Translational Imaging

ETC Level: LEVEL II

Date: July 16, 2022 | 12:30 - 13:30 CEST

CME Credits: 1

Moderator:
Frédéric Lecouvet; Brussels / Belgium

RC 1906-1 - Chairperson's introduction (5 min)
Frédéric E. Lecouvet; Brussels / Belgium

RC 1906-2 - The potential of novel PET tracers (15 min)
Daniela Oprea-Lager; Amsterdam / Netherlands

RC 1906-3 - Clinical applications for PET/MRI (15 min)
Lale Umutlu; Essen / Germany

RC 1906-4 - Total-body PET (TBP) as a new tool (15 min)
Axel Rominger; Bern / Switzerland

RC 1906-5 - Panel discussion: Which modality will predominate in cancer imaging in 10 years' time? (10 min)
AI 19 - Data sharing with Industry for AI: practical, scientific, legal and ethical Issues

Categories: Artificial Intelligence & Machine Learning
Date: July 16, 2022 | 14:00 - 15:00 CEST
CME Credits: 1

Moderator:
Wim Van Hecke; icometrix / Belgium

Al 19-1 - Introduction (3 min)
Wim van Hecke; Leuven / Belgium

Al 19-2 - Panel Discussion (57 min)
Elmar Kotter; Freiburg / Germany
Daniele Regge; Turin / Italy
David Kniß; Poxdorf / Germany
CUBE 20 - Alternate routes for Neurointerventions

Categories: Interventional Radiology
Date: July 16, 2022 | 14:00 - 14:30 CEST
CME Credits: 0.5

- Alternate routes for Neurointerventions (30 min)
  Geraud Forestier; Sainges / France
RPS 2011 - Imaging in neuro-psychiatric diseases

Categories: Imaging Methods, Neuro
Date: July 16, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderator:
Sofie Van Cauter; Holsbeek / Belgium

RPS 2011-2 - Shared grey matter alterations in subtypes of addiction: a voxel-wise meta-analysis (8 min)
Mengzhe Zhang; Zhengzhou / China

RPS 2011-3 - Functional networks stability in patients affected by autism compared to healthy controls: a possible novel biomarker from resting-state fMRI (8 min)
Luca Pasquini; Rome / Italy

RPS 2011-4 - Disrupted causal connectivity anchored on the anterior portion of the insula in first-episode medication-naive major depressive disorder (8 min)
Hong Yang; Hangzhou / China

RPS 2011-5 - Functional magnetic resonance study of static and dynamic amplitude of low frequency fluctuation in smoking addicted males (8 min)
Xinyu Gao; Zhengzhou / China

RPS 2011-6 - Young subjects at risk of psychosis show specific features of cortical thinning (8 min)
Luca Melazzini; Pavia / Italy

RPS 2011-7 - Structural and functional brain abnormalities in internet gaming disorder and attention-deficit/hyperactivity disorder: a comparative meta-analysis (8 min)
Xinyu Gao; Zhengzhou / China

RPS 2011-8 - Functional connectivity differences between the patients with disorders of consciousness and the patients with clinical cognitive motor dissociation (8 min)
Polona Pozeg; Lausanne / Switzerland

RPS 2011-9 - Disrupted functional connectivity of amygdala subregional networks in social anxiety disorder (8 min)
Xun Zhang; Chengdu / China

RPS 2011-10 - Relationship between fractional anisotropy of the external capsule and hippocampal myo-inositol levels in patients with mild cognitive impairment: evidence from DTI-1H-MRS pilot study (8 min)
Kristina Valatkevičienė; Kaunas / Lithuania

**RPS 2011-11 - Alternations in dynamic and static functional connectivity density in chronic smokers** (8 min)
Zhengui Yang; Zhengzhou / China

**RPS 2011-12 - Hypothalamic paraventricular nucleus inputs to the cingulate cortex and paraventricular thalamic nucleus modulate anxiety and arousal** (8 min)
Ying Liu; Nanchang / China
RPS 2014 - Risk reduction and quality assurance in radiographic practice

Categories: EuroSafe Imaging/Radiation Protection, Imaging Methods, Professional Issues, Radiographers
Date: July 16, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderators:
Luis Lanca; Lisboa / Portugal
Annalisa Trianni; Trento / Italy

RPS 2014-3 - X-ray scatter correction software for improving image quality and reducing radiation dose in large anatomical regions (8 min)
Mohammad Sayed; Exeter / UK

RPS 2014-4 - What determines a good skeletal X-ray image? Expert annotation of lateral ankle-joint positioning in 2D skeletal X-ray imaging using a standardised tool (8 min)
Omar Hertgers; Den Haag / Netherlands

RPS 2014-5 - Trabecular bone score (TBS) role in fracture risk assessment (8 min)
Liliana Rodrigues; Exeter / UK

RPS 2014-6 - Technical ultrasonic quality assurance in Danish radiological departments (8 min)
Kristina Rasmussen; Børkop / Denmark

RPS 2014-7 - Image quality evaluation of on-centre and off-centre FOV in cardiac CT examination (spatial resolution and motion artifacts) (8 min)
Katsumi Tsujioka; Toyota-City Aichi / Japan

RPS 2014-8 - Dual-energy CT: reduction of metal artifacts in the skeletal-muscle system (8 min)
Mário Monteiro; COIMBRA / Portugal

RPS 2014-9 - Characterisation of national radiotherapy departments: organisation, occupational exposure values and local diagnostic reference levels for breast and prostate CT-planning (8 min)
Rafaela Guisantes; Coimbra / Portugal

RPS 2014-10 - Development of a patient face recognition system in the radiology department (demonstration study of a face mask-enabled face recognition system in a CT examination environment) (8 min)
Hiroyuki Ota; Kashiwa / Japan

RPS 2014-11 - Explaining radiation risk: an investigation of approaches preferred by Irish patients (8 min)
Kate Matthews; Dublin / Ireland

**RPS 2014-12 - NiFi: an open source application for secure and efficient handling of image data for radiographic studies**

(8 min)

Martin Kusk; Esbjerg / Denmark
RPS 2002 - Advances in mammography

Categories: Artificial Intelligence & Machine Learning, Breast, Imaging Methods, Translational Imaging

Date: July 16, 2022 | 14:00 - 15:30 CEST

CME Credits: 1.5

Moderator:
Alaa Abdulrahman Marzogi; Makkah / Saudi Arabia

RPS 2002-2 - Automated detection and BI-RADS classification of breast masses in digital mammographic views, enhanced by subtracting temporally consecutive mammograms (8 min)
Galateia Skouroumouni; Larnaca / Cyprus

RPS 2002-3 - Density and breast cancer risk score in a screening cohort using participant-completed digital questionnaires (8 min)
Nicholas Payne; Cambridge / UK

RPS 2002-4 - Bridging the gap in automatic breast density estimation for screening personalisation (8 min)
Riccardo Samperna; Nijmegen / Netherlands

RPS 2002-5 - Missed cancer detection in mammography with artificial intelligence (8 min)
Ga Eun Park; Seoul / Korea, Republic of

RPS 2002-6 - Artificial intelligence model for personalising educational mammography test sets for diagnosticians (8 min)
Patrick Brennan; Sydney / Australia

RPS 2002-7 - The opportunity for AI to evaluate mammography positioning criteria at a population level (8 min)
Nisha Sharma; Leeds / UK

RPS 2002-8 - Simultaneous digital breast tomosynthesis and mechanical imaging of a deformable physical phantom (8 min)
Rebecca Axelsson; Malmö / Sweden

RPS 2002-9 - Propagation-based phase-contrast breast imaging: an investigation of the performance of photon-counting and flat-panel x-ray detectors (8 min)
Nicola Giannotti; Sydney / Australia

RPS 2002-10 - Head-to-head comparison of contrast-enhanced mammography and contrast-enhanced MRI of the breast: a meta-analysis (8 min)
Nina Pötsch; Vienna / Austria

RPS 2002-11 - Breast tomosynthesis reduces radiation exposure in specific patient populations (8 min)
Bruno Barufaldi; Philadelphia / United States
RC 2012 - Imaging in congenital heart disease (CHD)

Categories: Cardiac, Imaging Methods, Paediatric Imaging
ETC Level: LEVEL III
Date: July 16, 2022 | 14:00 - 15:00 CEST
CME Credits: 1

Moderator:
Lene Kathrine Rydén Suther; Oslo / Norway

RC 2012-1 - Chairperson's introduction (5 min)
Lene Kathrine Rydén Suther; Oslo / Norway

RC 2012-2 - CT and MRI in neonates and infants with congenital heart disease (15 min)
Aurelio Secinaro; Rome / Italy

RC 2012-3 - CT and MRI in grown-up congenital heart disease (GUCH) patients (15 min)
Karl-Friedrich Kreitner; Mainz / Germany

RC 2012-4 - Extra-cardiac complications in congenital heart disease (15 min)
Charlotte E. de Lange; Gothenburg / Sweden

RC 2012-5 - Panel discussion: Multi-modality imaging approach to CHD (10 min)
BS 20 - Raising awareness of justification issues to promote best practice

**Categories:** EuroSafe Imaging/Radiation Protection, Imaging Methods, Professional Issues, Radiographers, Students

**Date:** July 16, 2022 | 14:00 - 15:30 CEST

**CME Credits:** 1.5

**Moderator:**
Graciano Paulo; Coimbra / Portugal

**BS 20-2 - Current legislation and justification guidelines (25 min)**
Shane J. Foley; Dublin / Ireland

**BS 20-3 - Enhancing radiographers' knowledge for projection radiography justification (25 min)**
Maria Cauchi; Birkirkara / Malta

**BS 20-4 - Enhancing radiographers' knowledge for computed tomography justification (25 min)**
Martine Harris; Bradford / UK

**BS 20-5 - Panel discussion: Is further training required to optimise justification roles? (15 min)**
E³ 2019 - Coronary artery disease: a multidisciplinary approach

Categories: Cardiac, Imaging Methods, Interventional Radiology, Multidisciplinary, Vascular
ETC Level: LEVEL II+III
Date: July 16, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderator:
Marc Dewey; Berlin / Germany

E³ 2019-1 - Chairperson's introduction (5 min)
Marc Dewey; Berlin / Germany

E³ 2019-2 - CT for imaging of coronary artery disease: three cases (15 min)
Elke Zimmermann; Berlin / Germany
Federico Biavati; Berlin / Germany

E³ 2019-3 - Interventional approaches to coronary artery disease in relation to the three cases presented (15 min)
Ulf Landmesser; Berlin / Germany

E³ 2019-4 - Surgical approaches to coronary artery disease in relation to the three cases presented (15 min)
Torsten Doenst; Jena / Germany

E³ 2019-5 - Multidisciplinary heart team: case-based panel discussion (40 min)
Marc Dewey; Berlin / Germany
E³ 2022 - Anterior skull base tumours: a multidisciplinary approach

**Categories:** Head and Neck, Imaging Methods, Multidisciplinary, Musculoskeletal, Oncologic Imaging

**ETC Level:** LEVEL II+III

**Date:** July 16, 2022 | 14:00 - 15:30 CEST

**CME Credits:** 1.5

**Moderator:**
Berit Verbist; Leiden / Netherlands

E³ 2022-1 - Chairperson's introduction (5 min)
Berit M. Verbist; Leiden / Netherlands

E³ 2022-2 - Imaging strategy in the evaluation of anterior skull base tumours (15 min)
Roberto Maroldi; Brescia / Italy

E³ 2022-3 - Benefits, limitations, and contraindications for endoscopic resection of anterior skull base tumours (15 min)
Piero Nicolai; Brescia / Italy

E³ 2022-4 - Benefits and limitations of proton therapy in the treatment of skull base tumours (15 min)
Vincent Gregoire; Lyon / France

E³ 2022-5 - Multidisciplinary tumour board: case-based panel discussion (40 min)
Berit M. Verbist; Leiden / Netherlands
**E³ 2031 - Subsolid lung nodules: the integrated approach**

**Categories:** Chest, Interventional Oncologic Radiology, Multidisciplinary, Oncologic Imaging

**ETC Level:** LEVEL II+III

**Date:** July 16, 2022 | 14:00 - 15:30 CEST

**CME Credits:** 1.5

**Moderator:**
Mathias Prokop; Nijmegen / Netherlands

**E³ 2031-1 - Chairperson's introduction** (5 min)
Mathias Prokop; Nijmegen / Netherlands

**E³ 2031-2 - Morphological approach to subsolid lung nodules: correlation with pathology** (10 min)
Mathias Prokop; Nijmegen / Netherlands

**E³ 2031-3 - When to intervene** (15 min)
Mario Silva; Parma / Italy

**E³ 2031-4 - How to manage subsolid nodules: the surgeon's perspective** (15 min)
Dominique Gossot; Paris / France

**E³ 2031-5 - Multidisciplinary tumour board: case-based panel discussion** (45 min)
Mathias Prokop; Nijmegen / Netherlands
E³ 2032 - Uterine malignancies

**Categories:** Artificial Intelligence & Machine Learning, Genitourinary, Hybrid Imaging, Multidisciplinary, Oncologic Imaging  
**ETC Level:** LEVEL II+III  
**Date:** July 16, 2022 | 14:00 - 15:30 CEST  
**CME Credits:** 1.5

**Moderator:**  
Benedetta Gui; Roma / Italy

E³ 2032-1 - Chairperson's introduction (5 min)  
Benedetta Gui; Rome / Italy

E³ 2032-2 - The role of CT, PET/CT, and MRI in endometrial cancer (20 min)  
Teresa Margarida Cunha; Lisbon / Portugal

E³ 2032-3 - The role of CT, PET/CT, and MRI in cervical cancer (20 min)  
Milagros Otero García; Vigo / Spain

E³ 2032-4 - The current and future role of standardised reporting and artificial intelligence (AI) in imaging uterine malignancies (15 min)  
Olivio F. Donati; Zurich / Switzerland

E³ 2032-5 - Multidisciplinary tumour board: case-based panel discussion (30 min)  
Camilla Panico; Rome / Italy
OF 20a - Social media for beginners: tips and tricks for all generations!

Categories: Education, General Radiology, Research
ETC Level: LEVEL II+III
Date: July 16, 2022 | 14:00 - 15:00 CEST
CME Credits: 1

Moderator:
Marion Smits; Rotterdam / Netherlands

OF 20a-1 - Chairperson's introduction (5 min)
Marion Smits; Rotterdam / Netherlands

OF 20a-2 - What is social media? (5 min)
Daniel Pinto dos Santos; Cologne / Germany

OF 20a-3 - Where do I start? (5 min)
Federica Vernuccio; Palermo / Italy

OF 20a-4 - Why should I use social media? (5 min)
Bettina Baeßler; Würzburg / Germany

OF 20a-5 - Open forum discussion: Ask all the questions you never dared to ask! (40 min)
OF 20b - How will ultrasound fit within a radiology department in 20 years?

Categories: Education, Management/Leadership, Professional Issues, Ultrasound

ETC Level: LEVEL III

Date: July 16, 2022 | 14:00 - 15:00 CEST

CME Credits: 1

Moderators:
Paul S. Sidhu; London / United Kingdom
Boris Brkljačić; Zagreb / Croatia

OF 20b-1 - Chairpersons’ introduction (5 min)
Paul S. Sidhu; London / UK
Boris Brkljačić; Zagreb / Croatia

OF 20b-2 - Thoughts from the German model: primary care-based ultrasound, hospital based US hubs run for radiologists and non-radiologists? (10 min)
Thomas Fischer; Berlin / Germany

OF 20b-3 - Doctors using ultrasound only as an imaging technique: is this the route for radiologists? (10 min)
Vladimir Mitkov; Moscow / Russia

OF 20b-4 - UK model of sonographers-based studies with few examinations performed by the radiologist: how to teach and maintain interest for radiology and will other specialities take over? (10 min)
Paul S. Sidhu; London / UK

OF 20b-5 - Open forum discussion (25 min)
**OF 20R - MR safety updates for radiographers**

**Categories:** Contrast Media, EuroSafe Imaging/Radiation Protection, Imaging Methods, Professional Issues, Radiographers

**Date:** July 16, 2022 | 14:00 - 15:00 CEST

**CME Credits:** 1

**Moderator:**
Jonathan McNulty; Dublin / Ireland

**OF 20R-2 - What is new in MR safety? (15 min)**
Titti Owman; Lund / Sweden

**OF 20R-3 - Gadolinium-based contrast agents: where are we now? (15 min)**
Moreno Zanardo; Milan / Italy

**OF 20R-4 - The MR safety officer (MRSO): role descriptors (15 min)**
Christina Malamateniou; London / UK

**OF 20R-5 - Open forum discussion (15 min)**
PC 20 - EU policy on cancer screening

**Categories:** Artificial Intelligence & Machine Learning, Breast, Chest, Oncologic Imaging, Professional Issues

**ETC Level:** LEVEL II+III

**Date:** July 16, 2022 | 14:00 - 15:30 CEST

**CME Credits:** 1.5

**Moderators:**
Michael Fuchsjäger; Graz / Austria
Christian J. Johannes Herold; Vienna / Austria

**PC 20-1 - Chairpersons' introduction** (2 min)
Michael H. Fuchsjäger; Graz / Austria
Christian J. Herold; Vienna / Austria

**PC 20-2 - The EU perspective** (15 min)
Gualtiero Ricciardi; Rome / Italy

**PC 20-3 - Breast screening in the EU** (15 min)
Ruud M. Pijnappel; Utrecht / Netherlands

**PC 20-4 - Lung screening in the EU** (15 min)
Marie-Pierre Revel; Paris / France

**PC 20-5 - Panel discussion: What can the ESR and radiology do to speed up and harmonise the uptake of breast and lung cancer screening across member states?** (43 min)
RC 2001 - Advanced colon cancer: the beginning or the end?

**Categories:** Abdominal Viscera, GI Tract, Imaging Methods, Multidisciplinary, Oncologic Imaging
**ETC Level:** LEVEL II+III
**Date:** July 16, 2022 | 14:00 - 15:00 CEST
**CME Credits:** 1

**Moderator:**
Max Lahaye; Amsterdam / Netherlands

**RC 2001-1 - Chairperson's introduction** (5 min)
Max J. Lahaye; Amsterdam / Netherlands

**RC 2001-2 - What does a clinician want to know in advanced colorectal cancer? A colorectal surgeon's view** (15 min)
François Quenet; Montpellier / France

**RC 2001-3 - Strengths and limitations of CT in advanced colorectal cancer** (15 min)
Andrea Laghi; Rome / Italy

**RC 2001-4 - Strengths and limitations of MRI in advanced colorectal cancer** (15 min)
Vincent Vandecaveye; Leuven / Belgium

**RC 2001-5 - Panel discussion: Case-based** (10 min)
RC 2010 - My top three tips for musculoskeletal ultrasound imaging

**Categories:** Imaging Methods, Interventional Radiology, Musculoskeletal, Ultrasound

**ETC Level:** ALL LEVELS

**Date:** July 16, 2022 | 14:00 - 15:00 CEST

**CME Credits:** 1

**Moderator:**
Miraude Adriaensen; Heerlen / Netherlands

**RC 2010-1 - Chairperson's introduction** (5 min)
Miraude Adriaensen; Heerlen / Netherlands

**RC 2010-2 - My top three tips for ultrasound of the shoulder** (8 min)
Andrew J. Grainger; Cambridge / UK

**RC 2010-3 - My top three tips for ultrasound of the elbow and forearm** (8 min)
Hussain Al Bulushi; Muscat / Oman

**RC 2010-4 - My top three tips for ultrasound of the fingers and thumb** (8 min)
Catherine McCarthy; Oxford / UK

**RC 2010-5 - My top three tips for ultrasound of the groin and hip** (8 min)
Jon Jacobson; Cincinnati, OH / United States

**RC 2010-6 - My top three tips for ultrasound of the knee** (8 min)
Athena Plagou; Athens / Greece

**RC 2010-7 - My top three tips for ultrasound of the midfoot and toes** (8 min)
Carlo Martinoli; Genoa / Italy

**RC 2010-8 - Panel discussion: The current role of ultrasound of joint imaging compared to other imaging methods** (7 min)
SA 20 - Acute stroke in the emergency department

**Categories:** Emergency Imaging, Imaging Methods, Multidisciplinary, Neuro
**ETC Level:** LEVEL II+III
**Date:** July 16, 2022 | 14:00 - 15:30 CEST
**CME Credits:** 1.5

**Moderator:**
Grant Mair; Edinburgh / United Kingdom

**SA 20-1 - Chairperson's introduction** (5 min)
Mario Muto; Naples / Italy

**SA 20-2 - Acute stroke: CT first?** (20 min)
Grant Mair; Edinburgh / UK

**SA 20-3 - Acute stroke: MRI first?** (20 min)
Catherine Oppenheim; Paris / France

**SA 20-4 - Strategies to reduce door-to-needle time: the clinician's point of view** (20 min)
Nicolae Sanda; Geneva / Switzerland

**SA 20-5 - Panel discussion: What radiologists need to know about the clinician's expectations from radiology in acute stroke?** (25 min)
RPS 2004 - Nodules, airway and extra pulmonary findings

Categories: Artificial Intelligence & Machine Learning, Chest, Imaging Methods
Date: July 16, 2022 | 14:00 - 15:00 CEST
CME Credits: 1

Moderator:
Alexander Poellinger; Bern / Switzerland

RPS 2004-2 - Risk factors for presence of pulmonary nodules in a Dutch general population: a cross-sectional study (8 min)
Jiali Cai; Groningen / Netherlands

RPS 2004-3 - Standardising criteria and follow-up for frequent actionable incidental fundings in lung cancer screening (8 min)
Heidi C. Schmidt; East York / Canada

RPS 2004-4 - Opportunistic osteoporosis screening using chest CT with artificial intelligence (8 min)
Jinrong Yang; Wuhan / China

RPS 2004-5 - Effect of nodule location on diagnostic performance of deep learning-based nodule detection system (8 min)
Seulgi You; Suwon / Korea, Republic of

RPS 2004-6 - The potential reduction in nodule follow up using volumetric analysis (8 min)
Chris Johns; Sheffield / UK

RPS 2004-7 - Automated liver attenuation measurement in COVID-19 patients: a link between lung and liver (8 min)
Victor Gombolevskiy; Moscow / Russia

RPS 2004-8 - MDCT Vs MRI in bronchiectasis: a non-inferiority trial (8 min)
Lokesh Lokesh; New Delhi / India
SF 20 - After the hype: the practical aspects of artificial intelligence

Categories: Artificial Intelligence & Machine Learning, General Radiology, Imaging Informatics, Imaging Methods, Multidisciplinary
ETC Level: LEVEL II+III
Date: July 16, 2022 | 14:00 - 15:30 CEST
CME Credits: 1.5

Moderator:
Laure S. Fournier; Paris / France

SF 20-1 - Chairperson's introduction (5 min)
Laure S. Fournier; Paris / France

SF 20-2 - Open-source tools for the non-expert radiologist (18 min)
Guillaume Chassagnon; Paris / France

SF 20-3 - Data preparation for artificial intelligence: a step-by-step approach (18 min)
Martin J. Willemink; Stanford, CA / United States

SF 20-4 - Developing methodology for quality assurance in machine learning (18 min)
Lena Maier-Hein; Heidelberg / Germany

SF 20-5 - What do the neighbours do and how can we collaborate: machine learning in pathology (18 min)
Paul J. van Diest; Utrecht / Netherlands

SF 20-6 - Panel discussion: From hype to practical: what's next for artificial intelligence? (13 min)
OF 20Y - Cases of the day quiz for radiology residents

Categories: Education, General Radiology, Imaging Methods
ETC Level: LEVEL I
Date: July 16, 2022 | 14:00 - 15:00 CEST
CME Credits: 1

Moderators:
Michail Klontzas; Heraklion / Greece
Saif Afat; Tübingen / Germany

OF 20Y-1 - Quiz Masters (60 min)
Michail Klontzas; Iraklion / Greece
Saif Afat; Tübingen / Germany
RPS 2001 - New techniques in ultrasound

Categories: Abdominal Viscera, Contrast Media, Imaging Methods, Research, Ultrasound

Date: July 16, 2022 | 14:00 - 15:30 CEST

CME Credits: 1.5

Moderator:
Dirk-André Clevert; Munich / Germany

RPS 2001-2 - The preliminary application of simultaneous display of CEUS and MFI technology in intratumour vascular detection and hepatic tumour diagnosis (8 min)
Hong Han; shanghai / China

RPS 2001-3 - Performance of attenuation imaging and two-dimensional shear-wave elastography new technologies in the noninvasive assessment of liver disease (8 min)
Gloria Ruiz-Fernández; Madrid / Spain

RPS 2001-4 - Correlation of liver stiffness measured by shear wave elastography and radiologically assessed muscle mass and sarcopenia in patients with chronic liver disease (8 min)
M Sarthak Swarup; NEW DELHI / India

RPS 2001-5 - Contrast-enhanced ultrasound (CEUS) and contrast-enhanced computed tomography (CECT) for differentiating between mass-forming pancreatitis and pancreatic ductal adenocarcinoma: a meta-analysis (8 min)
Jie Yang; Chengdu / China

RPS 2001-6 - Integrating simulation-based learning into ultrasound training: the perspectives of radiology trainees and lessons for educators (8 min)
James Declan Yeomans; Cardiff / UK

RPS 2001-7 - A comparative study of ultrasound attenuation imaging, controlled attenuation parameters and magnetic resonance spectroscopy for the detection of hepatic steatosis (8 min)
Jing Bao; shanghai / China

RPS 2001-8 - Valsalva manoeuvre decreases liver and spleen stiffness measured by time-harmonic ultrasound elastography (8 min)
Alma Martl; Augsburg / Germany

RPS 2001-9 - The feasibility and reproducibility of pancreas stiffness measurements using point shear wave elastography (8 min)
Azzah Althobaiti; Jeddah / Saudi Arabia
RPS 2001-10 - RLQ pain and tenderness in paediatric patients with PIMS: is it appendicitis? Ask the sonographer (8 min)
Anat Ilivitzki; Haifa / Israel

RPS 2001-11 - Imaging features of hepatic epithelioid hemangioendothelioma on contrast enhanced ultrasound (8 min)
Yadan Xu; Shanghai / China
RT 20 - Building bridges: radiology and radiation therapy, a match made in heaven?

Categories: Management/Leadership, Multidisciplinary, Oncologic Imaging, Professional Issues, Radiographers

ETC Level: LEVEL II+III

Date: July 16, 2022 | 14:00 - 15:00 CEST

Moderators:
Regina G. H. Beets-Tan; Amsterdam / Netherlands
Lorenzo E. Derchi; Genoa / Italy

RT 20-1 - Chairpersons’ introduction (2 min)
Regina G. H. Beets-Tan; Amsterdam / Netherlands
Lorenzo E. Derchi; Genoa / Italy

RT 20-2 - The use of imaging to guide radiation therapy: an interview with the expert (10 min)

RT 20-3 - Discussion (48 min)
Vincenzo Valentini; Rome / Italy
Bernd Ohnesorge; Erlangen / Germany
Carlo Catalano; Rome / Italy
IF 20 - How to prepare patients for their medical examination in order to optimise the workflow of the radiologist

Categories: General Radiology, Management/Leadership, Radiographers
Date: July 16, 2022 | 14:30 - 15:30 CEST
CME Credits: 1

Moderators:
Andrea Grace Rockall; Godalming / United Kingdom
Adrian Brady; Cork / Ireland

IF 20-3 - Humanising radiology via social media campaigns (15 min)
Pilar Manchón; Barcelona / Spain

IF 20-4 - Benefitting from new imaging implementations (15 min)
Andrea G. Rockall; London / UK

IF 20-5 - All you need to know about your imaging test: how to make life easier for radiologists and patients (15 min)
Caroline Justich; Vienna / Austria

IF 20-6 - Panel discussion: How can alternative approaches be used to improve the patient experience before and during imaging examinations? (15 min)
CUBE 21 - Neuro emergencies

Categories: Interventional Radiology
Date: July 16, 2022 | 15:30 - 16:00 CEST
CME Credits: 0.5

- Neuro emergencies (30 min)
Lotfi Hacein Bey; Carmichael / United States
RPS 2110 - Advances in imaging of bone lesions and muscles

Categories: Imaging Methods, Musculoskeletal, Oncologic Imaging
Date: July 16, 2022 | 16:00 - 17:30 CEST
CME Credits: 1.5

Moderator:
Violeta Vasilevska Nikodinovska; Skopje / Macedonia

RPS 2110-2 - Safety of MR-guided high-intensity focused ultrasound (MRgHIFU) in the treatment of osteoid osteoma (8 min)
Valerio D'Agostino; Parete / Italy

RPS 2110-3 - Radiofrequency ablation for osteoid osteoma of the hand (8 min)
Francisco Javier Pérez García; Granada / Spain

RPS 2110-4 - Analysis of results after radiofrequency ablation of osteoid osteomas (8 min)
Miguel Martínez-Cachero García; Oviedo / Spain

RPS 2110-5 - Bizarre parosteal osteochondromatous proliferation: a rare mimic of malignancy (8 min)
Manoj Ambhue; Mumbai / India

RPS 2110-6 - Bone lesion AI classifier (8 min)
Bar Rinott; Haifa / Israel

RPS 2110-7 - Feasibility of MRI in diagnosis and characterisation of intra-articular synovial masses and mass-like lesions (8 min)
Tamer Hassan; Zagazig / Egypt

RPS 2110-8 - Soft-tissue tumor reporting and data system (ST-RADS): MRI reporting guidelines with multi-institutional validation study of extremity soft-tissue tumours (8 min)
Avneesh Chhabra; Flowermound / United States

RPS 2110-9 - Sarcopenia in central European patients with multiple myeloma (8 min)
Jakob Neubauer; Freiburg / Germany

RPS 2110-10 - COVID-19 related acute sarcopenia in pectoral and intrinsic paraspinal muscles (8 min)
Betül Akdal Dölek; Ankara / Turkey
RPS 2110-11 - Femoral 2D-DXA and 3D-DXA analysis: PHPT effects on cortical and trabecular bone mineral density (8 min)
Nicola Palladino; San Giovanni Rotondo / Italy

RPS 2110-12 - Muscle injuries and recovery: correlation MRI injury severity and return to play (RTP): a prospective study (8 min)
Sabine Michalik; Frankfurt a. Main / Germany
RPS 2102 - New developments in breast cancer diagnostics and interventions

**Categories:** Breast, Interventional Radiology, Oncologic Imaging
**Date:** July 16, 2022 | 16:00 - 17:00 CEST
**CME Credits:** 1

**Moderator:**
Gordana Ivanac; Zagreb / Croatia

**RPS 2102-2 - BraCoil - a wearable breast coil for 3 T MR mammography** (8 min)
Lena Nohava; Vienna / Austria

**RPS 2102-3 - Efficacy and safety of gadopiclenol for body magnetic-resonance imaging (MRI): the PROMISE trial** (8 min)
Christiane K. Kuhl; Aachen / Germany

**RPS 2102-4 - Efficacy of ultrasound-guided cryoablation in the treatment of low-risk breast cancer** (8 min)
Susana Fernández; Madrid / Spain

**RPS 2102-5 - Role of ultrasound-guided vacuum-assisted breast biopsy (US-VABB) in the management of rad-path discordance** (8 min)
Gabriele Levrini; Rozzano / Italy

**RPS 2102-6 - Marking of metastatic axillary node and BIRADS 6 lesion with an iodine-125-radiolabelled seed in breast cancer patients who received neoadjuvant chemotherapy** (8 min)
Francisco Javier Pérez García; Granada / Spain

**RPS 2102-7 - Reduction of breast scar marker-induced metal artefacts in CT simulation: a preliminary study** (8 min)
Hajir Sulaiman; Muscat / Oman
RPS 2105 - Artificial intelligence in breast imaging

Categories: Artificial Intelligence & Machine Learning, Breast  
Date: July 16, 2022 | 16:00 - 17:30 CEST  
CME Credits: 1.5

Moderator:  
Jakob Neubauer; Freiburg / Germany

RPS 2105-2 - Safe and effective integration of AI as supporting reader in double reading breast cancer screening (8 min)  
Jonathan Nash; Rowlands Castle / UK

RPS 2105-3 - Detection and classification of lesions in breast ultrasound using a deep convolutional neural network (8 min)  
Carlotta Ruppert; Winterthur / Switzerland

RPS 2105-4 - Development and validation of an AI-driven mammographic breast density classification tool based on radiologist consensus (8 min)  
Marco Alì; Milan / Italy

RPS 2105-5 - Combining radiomics and deep learning for classification of suspicious lesions on contrast-enhanced mammography images (8 min)  
Manon Beuque; Maastricht / Netherlands

RPS 2105-6 - On the importance of including unconfirmed cases when assessing the effect of AI on the recall rate in breast cancer screening (8 min)  
Ben Glocker; London / UK

RPS 2105-7 - Automatic and standardised quality control of digital mammography and tomosynthesis with deep convolutional neural networks (8 min)  
Karol Borkowski; Zürich / Switzerland

RPS 2105-8 - Virtual abbreviated contrast enhanced MRI for breast cancer diagnostics - initial experience (8 min)  
Andrzej Liebert; Erlangen / Germany

RPS 2105-9 - Post-market real-world data demonstrating use of an AI system as an extra reader to augment breast cancer detection without unnecessary recalls (8 min)  
Jonathan Nash; Rowlands Castle / UK
RPS 2105-10 - Decoding the molecular subtypes of breast cancer seen on multimodal ultrasound images using an assembled convolutional neural network model: a prospective and multicentre study (8 min)
Huixiong Xu; Shanghai / China

RPS 2105-11 - Can a breast-screening AI solution reduce the incidence of interval cancers? (8 min)
Samantha Colosimo; Aberdeen / UK

RPS 2105-12 - Machine-learning radiomics for breast-mass malignancy prediction in contrast-enhanced breast CT (8 min)
Marco Caballo; Nijmegen / Netherlands
S 21 - Best of ESR Student Abstract Submission 2

Categories: Breast, Cardiac, Chest, Education, Imaging Methods, Research, Students, Ultrasound
Date: July 16, 2022 | 16:00 - 17:30 CEST
CME Credits: 1.5

Moderator:
Malgorzata Szczero-Trojanowska; Lublin / Poland

S 21-2 - Extracurricular hands-on POCUS workshops - a foundation for improved clinical skills in future medical doctors (6 min)
Jure Bosanac; Ljubljana / Slovenia

S 21-3 - Healthcare costs associated with suboptimal preoperative breast MRI use in breast cancer patients: a retrospective cost-of-illness study (6 min)
Amber Simmons; Middletown / United States

S 21-4 - Assessing the impact of 3D segmentation workshops on medical education and image interpretation: A prospective pilot study (6 min)
Kai Lok Chan; Newcastle upon Tyne / UK

S 21-5 - Audit of the consent process in interventional radiology and patient perspectives (6 min)
Iman Sulevani; Leeds / UK

S 21-6 - Does the performance of Deep Learning-based cardiac segmentation on cardiac MR differ with regard to cardiac pathology? (6 min)
Merve Nida Gökbach; Istanbul / Turkey

S 21-7 - “RadioComics” – Use Of Creativity To Teach Radiology (6 min)
Gabriela Saffe; Salvador / Brazil

S 21-8 - Evaluable self-learning of ultrasound by simulation in students at the beginning of the studies of Degree in Medicine with integrated curriculum. (6 min)
Pedro Urbiola Sáez; Tudela / Spain

S 21-9 - More than meets the eye: anemia CT signs (6 min)
Miglius Mikalauskas; Kaunas / Lithuania

S 21-10 - An investigation of Irish radiographers’ attitudes and opinions on taking on the role of referrers. (6 min)
Keisha Davies; Prosperous / Ireland
S 21-11 - The importance of distance learning (EAD) in the pandemic. (6 min)
Rogerio de Leao; Sao Paulo / Brazil
RPS 2114 - Optimising MRI practice and imaging services

**Categories:** Imaging Methods, Neuro, Physics in Medical Imaging, Professional Issues, Radiographers

**Date:** July 16, 2022 | 16:00 - 17:00 CEST

**CME Credits:** 1

**Moderators:**
Moreno Zanardo; Milan / Italy
Stephen Harden; Southampton / United Kingdom

**RPS 2114-3 - Comparison between the use of PET and MRI 3.0 T in meningiomas** (8 min)
Maria Elena Piazzolla; Pavia / Italy

**RPS 2114-4 - Comparison between the use of PET-CT and high-field MRI 3.0T in adenoid cystic carcinoma** (8 min)
Margherita Sofia Cadeo; Pavia / Italy

**RPS 2114-5 - Challenges in prostate MR image quality: perspectives from Saudi and Irish MRI departments** (8 min)
Shrooq Al Dahery; Jeddah / Saudi Arabia

**RPS 2114-6 - Assessing the image quality of brain MR images taken with 1.5T and 3T scanners** (8 min)
Leanne Borg; Mtarfa / Malta

**RPS 2114-7 - Results of a survey on MRI reporting radiographers in the UK** (8 min)
Helen Estall; Leicester / UK

**RPS 2114-8 - Radiomics of Zoomit DWI in predicting clinical significant prostate cancer: a towards step of a non-invasive auxiliary tool** (8 min)
Jie Bao; Suzhou / China
RPS 2103 - Coronary artery CT and myocardial perfusion

Categories: Artificial Intelligence & Machine Learning, Cardiac, Physics in Medical Imaging, Professional Issues

Date: July 16, 2022 | 16:00 - 17:30 CEST

CME Credits: 1.5

Moderator:
Maja Hrabak Paar; Zagreb / Croatia

RPS 2103-2 - National trends in coronary computed tomography angiography usage: associations with invasive coronary angiography usage and healthcare costs (8 min)
Jonathan R. Weir-Mccall; Cambridge / UK

RPS 2103-3 - The impact and challenges of implementing CTCA according to the 2019 ESC guidelines on chronic coronary syndromes: a survey and projection of CTCA services in the Netherlands (8 min)
Thomas Pieter Willem van den Boogert; Amsterdam / Netherlands

RPS 2103-4 - Feasibility and diagnostic performance of a new CCTA-derived and AI-based fully automated system for detection of coronary artery disease (8 min)
Verena Brandt; Charleston / United States

RPS 2103-5 - Image quality from super resolution deep learning reconstruction on coronary CT angiography (8 min)
John Schuzer; Wheaton / United States

RPS 2103-6 - Machine learning for time-to-event analysis in patients with suspected coronary artery disease: increased long-term prognostic value of coronary CT angiography-derived measures and clinical parameters (8 min)
Maximilian Josef Bauer; Munich / Germany

RPS 2103-7 - Comparison of clinical scores in predicting coronary artery disease in familial hypercholesterolaemia: a CCTA study (8 min)
Lorenzo Dominici; Roma / Italy

RPS 2103-8 - Frequency and clinical implications of coronary anomalies and myocardial bridging on CT coronary angiography (8 min)
Giles Hannibal Roditi; Glasgow / UK

RPS 2103-9 - Silent myocardial infarction fatty scars detected by coronary calcium score CT scan in diabetic patients without history of coronary heart disease (8 min)
Sara Boccalini; Bron / France
RPS 2103-10 - The potential of deep learning image reconstruction (DLIR) for low dose myocardial CT perfusion protocols on a new 256 detector CT scanner: a phantom study (8 min)
Ying Guo; Guangzhou / China

RPS 2103-11 - Dynamic myocardial perfusion imaging using quantitative iodine density maps in a 3D printed heart phantom (8 min)
Johannes Hammel; München / Germany
**RPS 2107 - Uterine masses: benign or invasive - is it always that easy?**

**Categories:** Artificial Intelligence & Machine Learning, Genitourinary, Molecular Imaging, Oncologic Imaging, Ultrasound

**Date:** July 16, 2022 | 16:00 - 17:30 CEST

**CME Credits:** 1.5

**Moderator:**
Marijana Basta Nikolic; Novi Sad / Serbia

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**RPS 2107-2 - Using amide proton transfer-weighted MRI to non-invasively differentiate mismatch repair deficient and proficient tumours in endometrioid endometrial adenocarcinoma** (8 min)

Xinyu Liu; Beijing / China

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**RPS 2107-3 - Magnetic resonance imaging evaluation of adenomyosis rat model constructed by autologous endometrial implantation** (8 min)

Qi Zhang; Shanghai / China

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**RPS 2107-4 - Preoperative tumour texture analysis on MRI predicts high-risk disease in endometrial cancer** (8 min)

Michela Lupinelli; Forli / Italy

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**RPS 2107-5 - MRI staging of endometrial cancer: is there any room for improvement?** (8 min)

Teresa Neves; Lisbon / Portugal

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**RPS 2107-6 - Volumetric apparent diffusion coefficient (ADC) histogram analysis of preoperative differentiation between benign endometrial lesions and stage IA endometrial cancer** (8 min)

Jiying Zhang; Beijing / China

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**RPS 2107-7 - Early regression index (ERI) as response predictor to neoadjuvant chemoradiotherapy in locally advanced cervical cancer** (8 min)

Salvatore Persiani; Policoro / Italy

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**RPS 2107-8 - Value of MRI in parametrial invasion assessment and association with prognosis in locally advanced cervical cancer: preliminary results** (8 min)

Michela Lupinelli; Forli / Italy

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**RPS 2107-9 - Validation of a qualitative magnetic resonance imaging-based method to predict placenta accreta spectrum disorders in patients with placenta previa** (8 min)

Francesco Verde; Sant'Antimo / Italy

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**RPS 2107-10 - Abnormal cord coiling: a harbinger of adverse pregnancy outcome?** (8 min)
RPS 2107-11 - Investigation of correlation between number of echolucent zones with/without colour flow and morbidly adherent placenta (8 min)
Behzad Aminzadeh; Mashhad / Iran

RPS 2107-12 - Comparing diagnostic accuracy and diagnostic confidence in the MRI interpretation of placenta accreta spectrum disorders before and after implementation of SAR/ESUR consensus framework (8 min)
Aman Khurana; Lexington / United States
RPS 2116 - Gastrointestinal tumours

**Categories:** Artificial Intelligence & Machine Learning, GI Tract, Hybrid Imaging, Imaging Methods, Oncologic Imaging

**Date:** July 16, 2022 | 16:00 - 17:30 CEST

**CME Credits:** 1.5

**Moderator:** Sofia Courtsoyanni; Athens / Greece

**RPS 2116-2 - Multicentre CT-based radiomics for predicting the response to neoadjuvant chemotherapy in locally advanced gastric cancer patients** (8 min)
Ruirui Song; Taiyuan / China

**RPS 2116-3 - Clinical impact of MRI compared to 68Ga-DOTATATE PET-CT in monitoring metastasised neuroendocrine tumours (NETs): can MRI replace 68Ga-DOTATATE PET-CT?** (8 min)
Charlotte Rijsemus; Amsterdam / Netherlands

**RPS 2116-4 - Contrast-enhanced computed tomography texture analysis in colon cancer: correlation with genetic markers** (8 min)
Giulio Cabrelle; Padua / Italy

**RPS 2116-5 - Whether quantitative spectral parameters can predict lymph node metastasis in colorectal cancer: a preliminary study** (8 min)
Wenjing Peng; Beijing / China

**RPS 2116-6 - Differentiation between malignant and benign colorectal tumours by texture analysis of iodine-based material decomposition images with dual-energy computed tomography imaging** (8 min)
Wenjun Hu; Dalian / China

**RPS 2116-7 - A new standard for monitoring treatment response after neoadjuvant chemotherapy in colorectal cancer patients with peritoneal metastases: ‘the estimated volume index’ (EVI)** (8 min)
Charlotte Rijsemus; Amsterdam / Netherlands

**RPS 2116-8 - The definition of a near-complete response after neoadjuvant (chemo)radiotherapy for rectal cancer: results of an expert survey** (8 min)
Petra Custers; Amsterdam / Netherlands

**RPS 2116-9 - Prognostic models for classifying rectal tumour response to therapy using radiomics and CNN features** (8 min)
Gisella Guido; Roma / Italy
RPS 2116-10 - Added value of multiparametric PET/MRI in staging of rectal cancer (8 min)
Alexander Herold; Vienna / Austria

RPS 2116-11 - Diffusion weighted MRI (DWI) and carbon ion radiotherapy (CIRT): a preliminary study on DWI predictive role in CIRT re-treatment of locally recurrent rectal cancer (8 min)
Dario Nicola Boccuzzi; Andranco / Italy

RPS 2116-12 - Role of MRI for early tumour response evaluation in anal cancer after five weeks of chemoradiotherapy in guiding boost strategies (8 min)
Doenja Lambregts; Amsterdam / Netherlands
SF 21b - Artificial intelligence: where are we now?

**Categories:** Artificial Intelligence & Machine Learning, Education, Evidence-Based Imaging, Professional Issues, Radiographers

**Date:** July 16, 2022 | 16:00 - 17:30 CEST

**CME Credits:** 1.5

**Moderators:**
Jonathan McNulty; Dublin / Ireland
Sergey Morozov; Liège / Belgium

**SF 21b-1 - Chairpersons’ introduction** (5 min)
Jonathan McNulty; Dublin / Ireland
Sergey Morozov; Liège / Belgium

**SF 21b-2 - Guiding our practice: clinical decision support and examination supports** (20 min)
Karen Knapp; Exeter / UK

**SF 21b-3 - Helping to improve patient outcomes** (20 min)
Brendan S. Kelly; Dublin / Ireland

**SF 21b-4 - Educating in an artificial intelligence world** (20 min)
Christina Malamateniou; London / UK

**SF 21b-5 - Panel discussion: Is artificial intelligence improving our professional practice?** (25 min)
TC 21 - New techniques in breast imaging

Categories: Breast, Imaging Methods, Ultrasound
ETC Level: LEVEL II
Date: July 16, 2022 | 16:00 - 17:00 CEST
CME Credits: 1

Moderators:
Linda Moy; New York / United States
Michael Fuchsjäger; Graz / Austria

TC 21-3 - A. 3D automated breast ultrasound (ABUS) (20 min)
Athina Vourtsis; Athens / Greece

TC 21-4 - B. Abbreviated breast MRI (20 min)
Elizabeth A. Morris; Sacramento, CA / United States

TC 21-5 - C. Interactive case discussion (20 min)
Athina Vourtsis; Athens / Greece
Elizabeth A. Morris; Sacramento, CA / United States
ESR QuADRANT - Quality improvement through audit in diagnostic radiology, radiotherapy, and nuclear medicine: a European project on behalf of the European Commission: a progress update

**Categories:** Audit, EuroSafe Imaging/Radiation Protection  
**ETC Level:** ALL LEVELS  
**Date:** July 16, 2022 | 16:00 - 17:30 CEST  
**CME Credits:** 1.5

**Moderator:**  
Adrian Brady; Cork / Ireland

**ESR QuADRANT-1 - Chairperson's introduction** (5 min)  
Adrian Brady; Cork / Ireland

**ESR QuADRANT-2 - QuADRANT: the main European survey, literature review, and expert interviews** (15 min)  
David C. Howlett; Eastbourne / UK

**ESR QuADRANT-3 - QuADRANT: findings and output from the final workshop** (20 min)  
Francesco Giammarile; Vienna / Austria

**ESR QuADRANT-4 - The European Commission perspective** (15 min)  
Georgi Simeonov; Luxembourg / Luxembourg

**ESR QuADRANT-5 - QuADRANT: the radiological perspective** (20 min)  
Adrian Brady; Cork / Ireland

**ESR QuADRANT-6 - Panel discussion: A roadmap for enhanced clinical audit integration into European radiological practice: are we any closer?** (15 min)
SF 21a - Functional renal imaging for the clinical practice

Categories: Abdominal Viscera, Genitourinary, Imaging Methods, Multidisciplinary, Translational Imaging
ETC Level: LEVEL III
Date: July 16, 2022 | 16:00 - 17:30 CEST
CME Credits: 1.5

Moderator:
Harriet Thoeny; Bern / Switzerland

SF 21a-1 - Chairperson’s introduction (5 min)
Harriet C. Thoeny; Fribourg / Switzerland

SF 21a-2 - Added value of diffusion-weighted MRI (20 min)
Harriet C. Thoeny; Fribourg / Switzerland

SF 21a-3 - Added value of BOLD MRI (20 min)
Menno Pruijm; Lausanne / Switzerland

SF 21a-4 - Added value of ASL MRI (20 min)
Per Eckerbom; Uppsala / Sweden

SF 21a-5 - Panel discussion: What is the clinical impact of functional imaging of the kidney? (25 min)
RC 2115 - Pros and Cons: Femoral Doppler ultrasound should still be a standard radiological exam

**Categories:** Abdominal Viscera, Imaging Methods, Oncologic Imaging, Ultrasound, Vascular

**ETC Level:** LEVEL I+II

**Date:** July 16, 2022 | 16:00 - 17:00 CEST

**CME Credits:** 1

**Moderator:**
Boris Brkljačić; Zagreb / Croatia

**RC 2115-1 - Chairperson’s introduction** (5 min)
Lars Lonn; Copenhagen / Denmark

**RC 2115-2 - PRO** (15 min)
Pierleone Lucatelli; Rome / Italy

**RC 2115-3 - CON** (15 min)
David Laszlo Tarnoki; Budapest / Hungary

**RC 2115-4 - Panel discussion: How should ultrasound be incorporated in the radiological work-up?** (25 min)
RC 2111 - Neuroimaging: normal or abnormal?

Categories: Artificial Intelligence & Machine Learning, Head and Neck, Imaging Informatics, Neuro, Vascular
ETC Level: LEVEL II
Date: July 16, 2022 | 16:00 - 17:00 CEST
CME Credits: 1

Moderator:
Sven Haller; Geneve / Switzerland

RC 2111-1 - Chairperson's introduction (5 min)
Sven Haller; Geneve / Switzerland

RC 2111-2 - Common mistakes in neuroimaging (15 min)
Johan Van Goethem; Antwerp / Belgium

RC 2111-3 - Normal ageing and imaging of the elderly versus neurodegenerative disorders (15 min)
Meike Vernooij; Rotterdam / Netherlands

RC 2111-4 - Vessel wall imaging (15 min)
Hans Rolf Jäger; London / UK

RC 2111-5 - Panel discussion: Use of artificial intelligence to discriminate normal from abnormal exams (10 min)
RC 2101 - Pros and Cons: MRI/PET is ready for clinical practice

**Categories:** Abdominal Viscera, Hybrid Imaging, Molecular Imaging, Nuclear Medicine, Oncologic Imaging

**ETC Level:** LEVEL II+III

**Date:** July 16, 2022 | 16:00 - 17:00 CEST

**CME Credits:** 1

**Moderator:**
Katrine Riklund; Umeå / Sweden

**RC 2101-1 - Chairperson's introduction** (5 min)
Katrine Riklund; Umea / Sweden

**RC 2101-2 - PRO** (15 min)
Lennart K. Blomqvist; Stockholm / Sweden

**RC 2101-3 - CON** (15 min)
Barbara Malene Fischer; London / UK

**RC 2101-4 - Panel discussion: Can MRI/PET outperform PET/CT? How to build strong interactions with nuclear medicine colleagues?** (25 min)
OF 21a - How to get my manuscript accepted: getting help from reporting guidelines

**Categories:** Evidence-Based Imaging, Research  
**ETC Level:** LEVEL II+III  
**Date:** July 16, 2022 | 16:00 - 17:00 CEST  
**CME Credits:** 1

**Moderator:**  
Yves Menu; Paris / France

**OF 21a-1 - Chairperson's introduction** (3 min)  
Yves Menu; Paris / France

**OF 21a-2 - Why are STARD and STROBE useful and how does it help authors and editors?** (5 min)  
Francesco Sardanelli; San Donato Milanese / Italy

**OF 21a-3 - What is PRISMA and what are the recipes for a relevant meta-analysis?** (5 min)  
Viktoria Wieske; Berlin / Germany

**OF 21a-4 - Can we elaborate guidelines or a check-list for radiomics studies?** (5 min)  
Daniel Pinto dos Santos; Cologne / Germany

**OF 21a-5 - Open forum discussion** (42 min)
JIIQ - The voyage of the Beagle

**Categories:** Education, General Radiology  
**ETC Level:** LEVEL I+II  
**Date:** July 16, 2022 | 16:00 - 17:30 CEST  
**CME Credits:** 1.5

**Moderator:**  
Ritse Maarten Mann; Nijmegen / Netherlands

**JIIQ-1 - Introduction** (6 min)  
Ritse M. Mann; Nijmegen / Netherlands

**JIIQ-2 - Team Marco Polo** (28 min)  
Nina Pötsch; Vienna / Austria  
Michail Kiontzas; Iraklion / Greece

**JIIQ-3 - Team Vasco da Gama** (28 min)  
Gregor Laimer; Innsbruck / Austria  
Luis Gregorio Chávez Marroquin; Alzira / Spain

**JIIQ-4 - Team Colombo** (28 min)  
Michela Polici; Rome / Italy  
Helena Dinis Paixão; Lisbon / Portugal
IF 21 - Virtueller Besuch in der Radiologischen Abteilung: alles, was Sie schon immer über Radiologie wissen wollten

Categories: General Radiology, Professional Issues
Date: July 16, 2022 | 16:00 - 17:00 CEST
CME Credits: 1

Moderator:
Christian Loewe; Vienna / Austria

IF 21-1 - Einführung des Vorsitzenden (10 min)
Christian Loewe; Vienna / Austria

IF 21-2 - Innerhalb einer Radiologie Abteilung (30 min)

IF 21-3 - Live Q&A (15 min)
Michael H. Fuchsjäger; Graz / Austria
Wolfgang Schima; Vienna / Austria
Emina Talakić; Graz / Austria

IF 21-4 - Schlussworte (5 min)
Erik Briers; Hasselt / Belgium
Caroline Justich; Vienna / Austria
ESR/EIBALL - Imaging biomarkers: lessons learned by/from QIBA and EIBALL

**Categories:** Imaging Methods, Physics in Medical Imaging, Professional Issues, Research, Translational Imaging

**ETC Level:** LEVEL II

**Date:** July 16, 2022 | 16:00 - 17:00 CEST

**CME Credits:** 1

**Moderator:**
Aad Van Der Lugt; Rotterdam / Netherlands

**ESR/EIBALL-2 - QIBA's metrology for technical evaluation of biomarkers** (15 min)
Gudrun Zahlmann; Oak Brook, IL / United States

**ESR/EIBALL-3 - QIBA/EIBALL's experience with biomarker profile development** (15 min)
Xavier Golay; London / UK

**ESR/EIBALL-4 - EIBALL's experience with clinical validation of imaging biomarkers** (15 min)
Pascal A.T. Baltzer; Vienna / Austria

**ESR/EIBALL-5 - Panel discussion: Are we on the right track with imaging biomarker validation?** (15 min)
E³ 2131 - Neuroendocrine tumours of the lung: a multidisciplinary approach

Categories: Chest, Hybrid Imaging, Molecular Imaging, Multidisciplinary, Oncologic Imaging
ETC Level: LEVEL II+III
Date: July 16, 2022 | 16:00 - 17:30 CEST
CME Credits: 1.5

Moderator:
Annemie Snoeckx; Zandhoven / Belgium

E³ 2131-1 - Chairperson's introduction (5 min)
Annemie Snoeckx; Antwerp / Belgium

E³ 2131-2 - How to manage small cell lung cancer: the oncologist's view (15 min)
Dragana Jovanovic; Belgrade / Serbia

E³ 2131-3 - Imaging the spectrum of pulmonary neuroendocrine tumours (15 min)
Annemie Snoekx; Antwerp / Belgium

E³ 2131-4 - DIPNECH: a diagnostic challenge (15 min)
Guillaume Chassagnon; Paris / France

E³ 2131-5 - Multidisciplinary tumour board: case-based panel discussion (40 min)
Annemie Snoeckx; Antwerp / Belgium
E³ 2119 - Anal cancer: a multidisciplinary approach

**Categories:** Abdominal Viscera, GI Tract, Hybrid Imaging, Multidisciplinary, Oncologic Imaging

**ETC Level:** LEVEL II+III

**Date:** July 16, 2022 | 16:00 - 17:30 CEST

**CME Credits:** 1.5

**Moderator:**
Marc Jeffrey Gollub; New York / United States

**E³ 2119-1 - Chairperson's introduction** (2 min)
Marc J. Gollub; New York, NY / United States

**E³ 2119-2 - How to manage anal cancer: the radiation oncologist's perspective** (15 min)
Rob Glynne-Jones; London / UK

**E³ 2119-3 - Which imaging should I use to stage anal cancer** (15 min)
Jennifer S. Golia Pernicka; New York, NY / United States

**E³ 2119-4 - PET/CT baseline and follow up of anal cancer** (15 min)
Sarah Pötter-Lang; Vienna / Austria

**E³ 2119-5 - Case-based panel discussion** (43 min)
Marc J. Gollub; New York, NY / United States
Rob Glynne-Jones; London / UK
Jennifer S. Golia Pernicka; New York, NY / United States
E³ 2122 - Early laryngeal cancers: a multidisciplinary approach

**Categories:** Head and Neck, Imaging Methods, Multidisciplinary, Oncologic Imaging

**ETC Level:** LEVEL II+III

**Date:** July 16, 2022 | 16:00 - 17:30 CEST

**CME Credits:** 1.5

**Moderator:**
Frank A. Pameijer; Utrecht / Netherlands

**E³ 2122-1 - Chairperson’s introduction** (5 min)
Frank A. Pameijer; Utrecht / Netherlands

**E³ 2122-2 - Imaging checklist for treatment planning in early laryngeal cancers** (15 min)
Davide Farina; Brescia / Italy

**E³ 2122-3 - Transoral microsurgery in early laryngeal cancers: benefits, limitations, and contraindications** (15 min)
Cesare Piazza; Brescia / Italy

**E³ 2122-4 - Pre-treatment evaluation of early laryngeal cancers: a radiation oncologist’s perspective** (15 min)
Vincent Gregoire; Lyon / France

**E³ 2122-5 - Multidisciplinary tumour board: case-based panel discussion** (40 min)
Frank A. Pameijer; Utrecht / Netherlands
- Highlights from the Mobile Film Crew Day 5

Date: July 17, 2022 | 02:15 - 02:30 CEST

Moderator:
Ben Giese
RPS 2205 - Integration of artificial intelligence (AI) in radiological workflow and structured reporting

**Categories:** Artificial Intelligence & Machine Learning, Imaging Informatics, Management/Leadership, Professional Issues

**Date:** July 17, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Daniel Pinto dos Santos; Frankfurt / Germany

RPS 2205-2 - Standardising workflow nomenclature in radiology (8 min)
Knud Nairz; Bern / Switzerland

RPS 2205-3 - Standardising the mpMRI prostate reporting for one-stop clinics: a novel dedicated semi-automated workflow (8 min)
Francesco Giganti; London / UK

RPS 2205-4 - Integrating artificial Intelligence algorithms with DICOM structured reporting into clinical workflows (8 min)
Khaled Younis; Cleveland / United States

RPS 2205-5 - Pilot development of a natural language processing algorithm for classification of head CT reports (8 min)
Ethan Wang; Houston / United States

RPS 2205-6 - Structured reporting of COVID-19 chest CT with natural language processing through a semi-supervised deep learning approach (8 min)
Salvatore Fanni; Pisa / Italy

RPS 2205-7 - Why standardisation of preinferencing image processing methods is crucial for deep learning algorithms: compelling evidence based on the variations in outputs for different inferencing workflows (8 min)
Vasantha Kumar Venugopal; New Delhi / India

RPS 2205-8 - Using machine learning based CAD-RADS from radiological reports and non-curated electronic medical records data for adverse cardiac events prediction (8 min)
Emanuele Muscogiuri; Roma / Italy
E³ 2221 - Imaging of head and neck manifestations of systemic disease

Categories: Head and Neck, Imaging Methods, Oncologic Imaging  
ETC Level: LEVEL II  
Date: July 17, 2022 | 08:00 - 09:00 CEST  
CME Credits: 1

E³ 2221-1 - Autoimmune disorders: IgG, Sjogren’s syndrome and others (30 min)  
Minerva Becker; Geneva / Switzerland

E³ 2221-2 - Lymphatic and haematopoietic neoplasms (30 min)  
Frank A. Pameijer; Utrecht / Netherlands
RPS 2203 - Cardiac MRI of cardiomyopathy: part 2

Categories: Cardiac, Hybrid Imaging, Multidisciplinary
Date: July 17, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator: Bettina Baeßler; Mannheim / Germany

RPS 2203-2 - Cardiovascular magnetic resonance native T1 mapping in Anderson-Fabry disease: a systematic review and meta-analysis (8 min)
Andrea Ponsiglione; Napoli / Italy

RPS 2203-3 - Comparison of classical Fabry patients and its p.D313Y and p.A143T variants by multiparametric CMR with native T1 mapping, LGE and four-chamber feature-tracking myocardial strain (8 min)
Maxim Avanesov; Hamburg / Germany

RPS 2203-4 - Personalising CMR-based risk stratification for outcomes in dilated cardiomyopathy with LVEF ≥35%: cohort study with a long-term follow-up (8 min)
Shuang Li; Beijing / China

RPS 2203-5 - Cardiac amyloidosis, elevated T2 native: oedema or something else? (8 min)
Niki Lama; Athens / Greece

RPS 2203-6 - Disease stage-dependent changes in left ventricular and right ventricular functions and in myocardial strain in patients with pulmonary sarcoidosis (8 min)
Arpine Kocharyan; Mannheim / Germany

RPS 2203-7 - Atrial involvement in Takotsubo syndrome: a CMR feature-tracking study (8 min)
Letizia Ruoli; Roma / Italy

RPS 2203-8 - Prognostic value of left atrial reservoir strain by cardiac magnetic resonance in left ventricular myocardial noncompaction (8 min)
Pei-lun Han; Chengdu / China
RPS 2201 - New frontiers in colorectal imaging

Categories: Abdominal Viscera, GI Tract, Imaging Methods, Oncologic Imaging, Research
Date: July 17, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Stephanie Nougaret; St Clement de Riviere / France

RPS 2201-2 - Polyp identification rate variation in symptomatic CT colonography: does professional background define performance level in a team? (8 min)
Craig Roe; Leeds / UK

RPS 2201-3 - Feasibility of carrying out ultra-low-dose CT colonography with an individualised kVp protocol (8 min)
Mingyue Zhao; Dalian / China

RPS 2201-4 - The role of diverticular disease and patient age in insufficient colon distension at CT colonography (8 min)
Andrey Meshcheryakov; Moscow / Russia

RPS 2201-5 - Neurovascular invasion and lymph node metastasis in resectable rectal cancer evaluated by intravoxel incoherent motion MR study (8 min)
Xiaoli Chen; Chengdu / China

RPS 2201-6 - Predictive value of MRI texture features for KRAS mutation in colorectal cancer patients (8 min)
Rui Na Fan; Chengdu / China

RPS 2201-7 - Retrospective observational study on emergency large bowel surgery and frailty indexes in the elderly: comparison between radiological and clinical markers (8 min)
Damiano Remor; Scorzè / Italy

RPS 2201-8 - Transanal Minimally Invasive Surgery (TAMIS): a pictorial review of postoperative MRI findings (8 min)
Conor Reid; Rathcoole / Ireland
RPS 2202 - Contrast-enhanced mammography in clinical practice

Categories: Breast, Imaging Methods
Date: July 17, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Clarisse Dromain; Lausanne / Switzerland

RPS 2202-2 - Preliminary results of the RACER trial: diagnostic accuracy of CESM and conventional imaging as primary work-up tool after being recalled from breast cancer screening (8 min)
Lidewij Neeter; Maastricht / Netherlands

RPS 2202-3 - Diagnostic accuracy of contrast-enhanced spectral mammography in the prediction of malignancy of breast lesions presenting as microcalcifications (8 min)
Daniela Ballerini; Pavia / Italy

RPS 2202-4 - Contrast-enhanced mammography and breast MRI in the assessment of response to neoadjuvant treatment (8 min)
Joao Horvat; New York, NY / Brazil

RPS 2202-5 - Comparison of the contrast enhancement of benign and malignant lesions on CESM (8 min)
Anam Ali; London / UK

RPS 2202-6 - Contrast enhanced digital mammography (CEDM) and BI-RADS 3 findings: what benefits can we get? (8 min)
Christofis Charalambous; Athens / Greece

RPS 2202-7 - Comparing the diagnostic performance of CEM and standard contrast-enhanced breast MRI: a systematic review and meta-analysis (8 min)
Lidewij Neeter; Maastricht / Netherlands

RPS 2202-8 - Diagnostic value of contrast-enhanced spectral mammography in the malignity prediction of breast lesions. (8 min)
Simone Palma; Rome / Italy
RPS 2209 - Interventional radiology from head to toe

Categories: Interventional Radiology, Multidisciplinary, Neuro, Research, Vascular
Date: July 17, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Edit Dosa; Budapest / Hungary

RPS 2209-2 - Histopathological and imaging characterisation of clot in acute ischaemic stroke and their correlation with angiographic and functional outcomes in patients undergoing mechanical thrombectomy (8 min)
Venkatesh Pothula; CHENNAI / India

RPS 2209-3 - Complications and complaints in patients undergoing diagnostic cerebral digital subtraction angiography (8 min)
Maurits Voormolen; Edegem / Belgium

RPS 2209-4 - Safety and efficacy of rotational thrombectomy for treatment of infrarenal arterial occlusions in a large single-centre cohort (8 min)
Christoph Artzner; Tübingen / Germany

RPS 2209-5 - Balloon Pulmonary Angioplasty in patients with non-operable or residual chronic thromboembolic hypertension: initial 5-year experience in a national referral centre (8 min)
Alfredo Páez Carpio; Barcelona / Spain

RPS 2209-6 - Impact of collateral status on the patient's outcome after endovascular treatment of the anterior circulation acute ischaemic stroke: a singlecentre experience (8 min)
Magda Jablonska; Torun / Poland

RPS 2209-7 - Arterial embolisation reduces synovial hyperaemia in haemophilia patients before total knee replacement (8 min)
Wouter Foppen; Utrecht / Netherlands
RPS 2204 - Pulmonary and extra-pulmonary malignancies

Categories: Artificial Intelligence & Machine Learning, Chest, Imaging Methods
Date: July 17, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Anna Rita Larici; Roma / Italy

RPS 2204-2 - Preoperative staging of advanced mediastinal tumours with cine-magnetic resonance imaging (cine-MRI): a comparison with contrast-enhanced computed tomography (CT) and histology (8 min)
Costanza Lisi; Lamporecchio / Italy

RPS 2204-3 - Pulmonary MALT lymphoma: detailed CT findings, including “galaxy sign” (8 min)
Yeongran Song; Seoul / Korea, Republic of

RPS 2204-4 - Can computed tomography radiomics analysis discriminate the mediastinal lymph nodes in patients with sarcoidosis and lymphoma (8 min)
Firat Atak; Ankara / Turkey

RPS 2204-5 - ARTIMES: artificial intelligence-based volumetric assessment of malignant pleural mesothelioma (8 min)
Kevin Groot Lipman; Amsterdam / Netherlands

RPS 2204-6 - Assessing the performance of CT Node-RADS in lung cancer with histopathological correlation (8 min)
Giulia Benedetti; London / UK

RPS 2204-7 - Can an artificial intelligence algorithm help identify malignant nodules on chest radiographs (8 min)
Chris Johns; Sheffield / UK
RPS 2211 - Imaging in head trauma, emergency room and of the cerebral veins

**Categories:** Emergency Imaging, Imaging Methods, Neuro

**Date:** July 17, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Ursula Schwarz-Nemec; Vienna / Austria

RPS 2211-2 - A new method for CT venography assessment of transverse sinus stenosis based on venous transstenotic pressure gradient (8 min)
Heyu Ding; Beijing / China

RPS 2211-3 - Analysis of current practices in the investigation of suspected subarachnoid haemorrhage: is a negative CT head within 6 hours of onset enough to rule out SAH? (8 min)
Rohan Banerjee; Edinburgh / UK

RPS 2211-4 - Consistency of stroke and haemorrhage diagnosis on native brain CT scans in emergency medicine by clinicians using AI compared to radiologists (8 min)
Anna Khoruzhaya; Moscow / Russia

RPS 2211-5 - Diagnostic accuracy of sagittal TSE-T2W, variable flip angle 3D TSE-T2W and high-resolution 3D heavily T2W sequences for the cerebral aqueduct and the superior medullary velum stenosis (8 min)
Ayşe Nur Özcan; ANKARA / Turkey

RPS 2211-6 - Quantitative study of movement and image quality on ER and inpatient MRI of the brain (8 min)
Dylan Abeysekera; Houston / United States

RPS 2211-7 - Computer tomography findings in head trauma patients at University Teaching Hospitals in Kigali, Rwanda (8 min)
Patrick Niyongabo; Kigali / Rwanda

RPS 2211-8 - The clinical factors most likely to result in an abnormal CT head - a UK trauma centre experience (8 min)
Abul Haque; Stoke-On-Trent / UK
RPS 2210 - Advances in assessing joints and ligaments of the lower extremity

Categories: EuroSafe Imaging/Radiation Protection, Imaging Methods, Musculoskeletal
Date: July 17, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Carlo Martinoli; Rapallo / Italy

RPS 2210-2 - Sonographic classification of Achilles tendon tears and its clinical significance (8 min)
Nehal Singla; London / UK

RPS 2210-3 - Can gadolinium contrast agents be replaced with saline for direct MR arthrography of the hip? A retrospective study with arthroscopic comparison (8 min)
Malin Meier; Bern / Switzerland

RPS 2210-4 - The feasibility and clinical value of ST magnetic resonance in hip anatomy (8 min)
Shuo Zhu; Shanghai / China

RPS 2210-5 - Applications of a novel contrast agent in x-ray imaging of articular cartilage: a preliminary experience (8 min)
Daniele Conti; Bologna / Italy

RPS 2210-6 - (Dis)location of the anterior intermeniscal ligament: an exploratory MRI study (8 min)
Casper Visser; Amstelveen / Netherlands

RPS 2210-7 - Protruding anterior medial meniscus and posterior tibial translation as secondary signs of complete and partial posterior cruciate ligament tear on MRI (8 min)
Ji Young Choi; Seoul / Korea, Republic of

RPS 2210-8 - Novel experimental model to evaluate the effects of cement polymerization timing and bone density in trabecular bone penetration in total knee arthroplasty (8 min)
Monica Mattone; Rome / Italy
BS 22 - Acknowledging and managing radiographer burnout

**Categories:** Management/Leadership, Professional Issues, Radiographers, Students  
**Date:** July 17, 2022 | 08:00 - 09:00 CEST  
**CME Credits:** 1

**Moderator:**  
Louise A. Rainford; Dublin / Ireland

**BS 22-2 - The impact of burnout on student radiographers** (12 min)  
Louise A. Rainford; Dublin / Ireland

**BS 22-3 - Academic faculty insights** (12 min)  
Mark F. McEntee; Cork / Ireland

**BS 22-4 - The clinical radiographer perspective** (12 min)  
Patrizia Cornacchione; Rome / Italy

**BS 22-5 - Compassionate leadership** (12 min)  
Amy Taylor; Exeter / UK

**BS 22-6 - Panel discussion: Lessons learnt from 2020 onwards and taking the positives forwards** (12 min)
RPS 2216 - Lymphnode assessment in oncological patients

Categories: Artificial Intelligence & Machine Learning, Imaging Methods, Oncologic Imaging, Ultrasound
Date: July 17, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Jelle O. Barentsz; Nijmegen / Netherlands

RPS 2216-2 - Lymph node reporting and data system (LN-RADS) for ultrasound classification of lymph nodes (8 min)
Cezary Chudobinski; Łódź / Poland

RPS 2216-3 - Detection of metastatic lymph nodes by increased stiffness: a road to eRECIST? (8 min)
Stephan Marticorena Garcia; Berlin / Germany

RPS 2216-4 - Prospective evaluation of N- and M-staging in conventional imaging, MRI and 18F-FDG PET/MRI (8 min)
Janna Morawitz; Düsseldorf / Germany

RPS 2216-5 - A nomogram for preoperatively predicting sentinel lymph node status in breast cancer based on DCE-MRI radiomic features and clinical factors (8 min)
Chunhua Wang; Chengdu / China

RPS 2216-6 - Assessment of lymph node metastasis in thyroid carcinoma using standard deviation on virtual monoenergetic images in dual-layer spectral detector computed tomography (8 min)
Weiwei Deng; Shanghai / China

RPS 2216-7 - Machine learning and radiomics analysis of 18F-FDG PET/MR datasets for the prediction of therapy response of isolated limb perfusion in patients with soft-tissue sarcomas (8 min)
Johannes Grueneisen; Essen / Germany

RPS 2216-8 - Paediatric small round blue cell tumours from head to toe (8 min)
Larissa Defendi; São Paulo / Brazil
OF 22R - Medical radiation exposure in pregnancy

Categories: EuroSafe Imaging/Radiation Protection, General Radiology, Genitourinary, Professional Issues, Radiographers

ETC Level: LEVEL II

Date: July 17, 2022 | 08:00 - 09:00 CEST

CME Credits: 1

Moderator:
Claudio Granata; Trieste / Italy

OF 22R-1 - Chairperson’s introduction (5 min)
Claudio Granata; Genoa / Italy

OF 22R-2 - Common indications, justification, and optimisation of radiologic procedures during pregnancy (10 min)
Erich Sorantin; Graz / Austria

OF 22R-3 - Medical irradiation and dose exposure to the conceptus (10 min)
Annalisa Trianni; Trento / Italy

OF 22R-4 - Communicating the risk and benefit of medical irradiation to pregnant women (10 min)
Maria Murray; Glasgow / UK

OF 22R-5 - Open forum discussion (25 min)
RC 2204 - Pros and Cons: Low and ultra-low dose CT should be used for imaging thoracic disorders

**Categories:** Chest, EuroSafe Imaging/Radiation Protection, Imaging Informatics, Physics in Medical Imaging, Professional Issues

**ETC Level:** ALL LEVELS

**Date:** July 17, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Martine Rémy-Jardin; Lille / France

**RC 2204-1 - Chairperson's introduction** (6 min)
Martine Rémy-Jardin; Lille / France

**RC 2204-2 - PRO** (12 min)
Pierluigi Ciet; Rotterdam / Netherlands

**RC 2204-3 - CON** (12 min)
Mathias Prokop; Nijmegen / Netherlands

**RC 2204-4 - Panel discussion: Radiation dose exposure can often be massively saved in chest imaging** (30 min)
RC 2207 - Imaging of focal renal lesions

**Categories:** Abdominal Viscera, Genitourinary, Imaging Methods, Oncologic Imaging

**ETC Level:** LEVEL II+III

**Date:** July 17, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderator:**
Michele Bertolotto; Trieste / Italy

**RC 2207-1 - Chairperson’s introduction** (5 min)
Michele Bertolotto; Trieste / Italy

**RC 2207-2 - What is the best imaging method to characterize solid renal lesions?** (15 min)
Harriet C. Thoeny; Fribourg / Switzerland

**RC 2207-3 - Update on Bosniak classification to characterise cystic renal lesions** (15 min)
Carlos Nicolau; Barcelona / Spain

**RC 2207-4 - What is the value of contrast-enhanced US in the assessment of renal masses** (15 min)
Jean-Michel Correas; Paris / France

**RC 2207-5 - Panel discussion: How to report pertinent findings in a structured way? CT vs MRI vs US?** (10 min)
RC 2211 - Multiple sclerosis (MS) and other inflammatory diseases

**Categories:** Imaging Methods, Neuro, Professional Issues  
**ETC Level:** LEVEL I  
**Date:** July 17, 2022 | 08:00 - 09:00 CEST  
**CME Credits:** 1

**Moderator:**  
Alejandro Rovira Cañellas; Barcelona / Spain

**RC 2211-1 - Chairperson's introduction** (5 min)  
Alejandro Rovira-Cañellas; Barcelona / Spain

**RC 2211-2 - MS: current criteria for diagnosis and follow-up** (15 min)  
Alejandro Rovira-Cañellas; Barcelona / Spain

**RC 2211-3 - Neuromyelitis optica spectrum disorder (NMOSD): aquaporin 4 and MOG disease** (15 min)  
Majda M. Thurnher; Vienna / Austria

**RC 2211-4 - Update on autoimmune diseases and encephalitis** (15 min)  
Tarek A. Yousry; London / UK

**RC 2211-5 - Panel discussion: Benefits of a standardised MRI protocol for follow-up** (10 min)
RC 2213 - MRI scanning with cardiac devices: the new routine

**Categories:** Cardiac, Education, Imaging Methods, Physics in Medical Imaging  
**ETC Level:** LEVEL III  
**Date:** July 17, 2022 | 08:00 - 09:00 CEST  
**CME Credits:** 1

**Moderator:**  
Osvaldo Rampado; Turin / Italy

**RC 2213-1 - Chairperson’s introduction** (5 min)  
Osvaldo Rampado; Turin / Italy

**RC 2213-2 - The cardiologist’s point of view** (15 min)  
Cornelis Allaart; Amsterdam / Netherlands

**RC 2213-3 - The radiologist’s point of view** (15 min)  
Jesse Habets; Nijmegen / Netherlands

**RC 2213-4 - The physicist’s point of view** (15 min)  
Aaron McCann; Belfast / Ireland

**RC 2213-5 - Panel discussion: What is the next development you most want to see?** (10 min)
OF 22Y - Help me to get it published

**Date:** July 17, 2022 | 08:00 - 09:00 CEST

**CME Credits:** 1

**Moderators:**
Riccardo Muglia; Bergamo / Italy
Michail Klontzas; Heraklion / Greece
RC 2201 - Liver ablations: treatment, evaluation, and follow-up

Categories: Abdominal Viscera, Interventional Oncologic Radiology, Interventional Radiology
ETC Level: LEVEL I+II
Date: July 17, 2022 | 08:00 - 09:00 CEST
CME Credits: 1

Moderator:
Elisabeth Genevieve Klompenhouwer; Amsterdam / Netherlands

RC 2201-1 - Chairperson's introduction (5 min)
Elisabeth G. Klompenhouwer; Amsterdam / Netherlands

RC 2201-2 - Principles of liver ablations (15 min)
Christoph J. Zech; Basle / Switzerland

RC 2201-3 - Treatment response evaluation (15 min)
Elisabeth G. Klompenhouwer; Amsterdam / Netherlands

RC 2201-4 - Follow-up of liver ablations: the guidelines (15 min)
Monique Maas; Amsterdam / Netherlands

RC 2201-5 - Panel discussion: Case-based (10 min)
HD 5 - Highlights of the Day

Date: July 17, 2022 | 09:15 - 09:30 CEST

Moderator:
Regina G. H. Beets-Tan; Amsterdam / Netherlands
RC 2306 - Pros and Cons: Functional, molecular and hybrid imaging will replace many morphological measures of response within RECIST

Categories: Hybrid Imaging, Molecular Imaging, Nuclear Medicine, Oncologic Imaging, Translational Imaging
ETC Level: LEVEL III
Date: July 17, 2022 | 09:30 - 10:30 CEST
CME Credits: 1

Moderators:
Giulia Zamboni; Verona / Italy
Ferdia Aidan Gallagher; Cambridge / United Kingdom

RC 2306-1 - Chairpersons' introduction (5 min)
Gary Cook; London / UK
Ferdia A. Gallagher; Cambridge / UK

RC 2306-2 - PRO (15 min)
Egesta Lopci; Rozzano / Italy

RC 2306-3 - CON (15 min)
Laure S. Fournier; Paris / France

RC 2306-4 - Panel Discussion: What is the role for functional, molecular and hybrid imaging as companion biomarkers of drug response? (25 min)
RPS 2305b - Artificial intelligence in abdominal imaging

Categories: Abdominal Viscera, Artificial Intelligence & Machine Learning
Date: July 17, 2022 | 09:30 - 11:00 CEST
CME Credits: 1.5

Moderator:
Elisabeth Genevieve Klompenhouwer; Amsterdam / Netherlands

RPS 2305b-2 - Artificial intelligence support system to improve the diagnostic accuracy of radiologist in differentiating colon carcinoma and diverticulitis in computed tomography (8 min)
Sebastian Ziegelmayer; München / Germany

RPS 2305b-3 - Predicting the progression of branch-duct intraductal papillary mucinous neoplasms using a DenseNet (8 min)
Manuel Debić; Heidelberg / Germany

RPS 2305b-4 - External validation of A CT-based radiomics model for prediction of local tumour progression after thermal ablation in colorectal liver metastases (8 min)
Denise van der Reijd; Amsterdam / Netherlands

RPS 2305b-5 - Deep learning for automatic detection of the main pancreatic duct dilatation (8 min)
Clément Abi Nader; Paris / France

RPS 2305b-6 - Are we there yet? The value of deep learning in a multicentre-setting for response prediction of locally advanced rectal cancer to neoadjuvant chemoradiotherapy (8 min)
Barbara Wichtmann; Bonn / Germany

RPS 2305b-7 - EOB-MR based radiomics analysis to assess clinical outcomes following liver resection in colorectal liver metastases (8 min)
Federica Dell’Aversana; Naples / Italy
RPS 2305a - New trends in artificial intelligence (AI) and steps for AI standardisation

Categories: Artificial Intelligence & Machine Learning, Imaging Informatics, Imaging Methods
Date: July 17, 2022 | 09:30 - 10:30 CEST
CME Credits: 1

Moderator:
Merel Huisman; Nijmegen / Netherlands

RPS 2305a-2 - The impact of digitalisation on COVID-19 outcomes and government responses (8 min)
Helen Heinrichs; Aachen / Germany

RPS 2305a-3 - Innovation trends in radiology: is it a long way to the top? (8 min)
Larisa Gorenstein; Ramat Gan / Israel

RPS 2305a-4 - Selecting, evaluating and monitoring artificial intelligence models for clinical use (8 min)
Bibb Allen; Birmingham / United States

RPS 2305a-5 - The Image Biomarker Standardisation Initiative (IBSI) on reproducible convolutional radiomics (8 min)
Alex Zwanenburg; Dresden / Germany

RPS 2305a-6 - Towards personalised predictions in medical imaging: Siamese networks, Gaussian processes and memory networks for colonic transit time-series data (8 min)
Brendan Kelly; Dublin / Ireland

RPS 2305a-7 - QuantImage v2: a clinician-in-the-loop cloud platform for radiomics research (8 min)
Adrien Depeursinge; Sierre / Switzerland

RPS 2305a-8 - Continual active learning for efficient image labelling while image characteristics change (8 min)
Matthias Perkonigg; Vienna / Austria
PP 23 - Adding up from professional issues, GI and emergency imaging

**Categories:** Emergency Imaging, GI Tract, Professional Issues, Radiographers
**Date:** July 17, 2022 | 09:30 - 10:30 CEST
**CME Credits:** 1

**Moderator:**
Jelle O. Barentsz; Nijmegen / Netherlands

**PP 23-2 - Building a no-blame culture in radiology departments and driving clinical quality to a high level: shared experience from 13 European countries** (8 min)
Athenasia Papachristodoulou; Budapest / Hungary

**PP 23-3 - Communication dose exposure for common radiological procedures: what the patients would like know** (8 min)
Sergio Salerno; Palermo / Italy

**PP 23-4 - Revisiting the general linear model for radiology research** (8 min)
José Castro Pereira; Almada / Portugal

**PP 23-5 - Common and uncommon errors in emergency ultrasound: what the radiologist needs to know** (8 min)
Vittorio Sabatino; Frignano / Italy

**PP 23-6 - PERC criteria: does it reliably exclude the diagnosis of a pulmonary embolism?** (8 min)
Anushka Sathiyakeerthy; London / UK

**PP 23-7 - Role of diagnostic imaging technologists during the COVID-19 pandemic: the importance of organisation and planning in the first line** (8 min)
Diego Ribas Mercau; Sabadell / Spain

**PP 23-8 - A nomogram based on multi-modal ultrasound for pre-operative prediction of microvascular invasion and recurrence of hepatocellular carcinoma** (8 min)
Xian Zhong; Maastricht / Netherlands

**PP 23-9 - CT texture analysis of primary and metastatic pancreatic ductal adenocarcinomas: value in assessment of histopathological grade and differences between primary and metastatic lesions** (8 min)
Michael Janisch; Graz / Austria

**PP 23-10 - Multi-colour magnetic particle imaging for real-time detection of gastrointestinal hemorrhage** (8 min)
Christoph Riedel; Hamburg / Germany
RPS 2310 - Osteoporosis and metabolic

Categories: EuroSafe Imaging/Radiation Protection, General Radiology, Imaging Methods, Musculoskeletal

Date: July 17, 2022 | 09:30 - 11:00 CEST

CME Credits: 1.5

Moderator:
Alberto Bazzocchi; Bologna / Italy

RPS 2310-2 - Diagnostic accuracy of quantitative dual-energy CT-based volumetric bone mineral density assessment for the prediction of osteoporosis-associated fractures (8 min)
Ibrahim Yel; Frankfurt a. Main / Germany

RPS 2310-3 - Osteoporosis detection via T-score measurement and hydroxyapatite quantification in CT Imaging: a multicentric, phantom-based study (8 min)
Viktoria Palm; Heidelberg / Germany

RPS 2310-4 - Association of artificial intelligence-derived bone attenuation with bone mineral density on quantitative CT (8 min)
Yali Li; Zhengzhou / China

RPS 2310-5 - Bone mineral density differences between femurs of scoliotic patients undergoing quantitative computed tomography analysis (8 min)
Francesca Serpi; Milan / Italy

RPS 2310-6 - Evaluation of image quality and accuracy of bone mineral density quantification by quantitative CT with deep-learning iterative reconstruction (8 min)
Yali Li; Zhengzhou / China

RPS 2310-7 - Dual-energy CT-based monitoring of treatment-induced bone marrow changes in lung cancer patients: preliminary results (8 min)
Sebastian Werner; Tübingen / Germany

RPS 2310-8 - Sarcopaenia may differentiate patients with wild-type from mutant-type gastrointestinal stromal tumour (8 min)
Xiaoping Yi; Changsha / China

RPS 2310-9 - Application of low-tube current using ASiR-V in the accuracy of spinal QCT in a multicentre clinical research with a European Spine Phantom (8 min)
Yao Jiang; Zhengzhou / China
RPS 2310-10 - The effect of iodine contrast enhancement in CT on the measurement of bone mineral density in QCT (8 min)
Mingyue Zhao; Dalian / China

RPS 2310-11 - The effect of gadolinium (Gd) and gadolinium-based contrast agents (GBCAs) on osteoblasts (8 min)
Franziska Strunz; Bern / Switzerland
RPS 2313 - Computed tomography (CT)

Categories: Chest, Contrast Media, Musculoskeletal, Physics in Medical Imaging

Date: July 17, 2022 | 09:30 - 11:00 CEST

CME Credits: 1.5

Moderator:
Stefan Sawall; Heidelberg / Germany

RPS 2313-2 - Estimating the high scatter frequencies caused by coarse anti-scatter grids in x-Ray CT (8 min)
Julien Erath; Heidelberg / Germany

RPS 2313-3 - Scanning outside the localiser borders in chest CT: a multicentre study (8 min)
Niki Fitousi; Leuven / Belgium

RPS 2313-4 - Personalised iodine contrast media injection in liver MDCT (8 min)
Federica Zanca; Leuven / Belgium

RPS 2313-5 - Optimising CT perfusion acquisition parameters based on digital perfusion phantoms: obtaining maximum precision for a specific radiation exposure setting (8 min)
Stephan Skornitzke; Heidelberg / Germany

RPS 2313-6 - Application of low-tube current with deep-learning iterative reconstruction in the evaluation of CT image quality and accuracy of bone mineral density quantification: a phantom study (8 min)
Yali Li; Zhengzhou / China

RPS 2313-7 - Advanced physics-based image quality assessment of a commercial super resolution deep learning reconstruction algorithm for cardiac radiology applied to a wide volume computed tomography system (8 min)
Kirsten Boedeker; Los Angeles, CA / United States

RPS 2313-8 - Variability of water-equivalent diameter (Dw) with tube potential of CT scans (8 min)
Abdullah Abuhaimed; Riyadh / Saudi Arabia

RPS 2313-9 - Impact of technology on local clinical dose reference levels in MDCT (8 min)
Benoît Dufour; Sion / Switzerland

RPS 2313-10 - Synthesising 4D CBCT scans from 3D CBCT phantom acquisitions (8 min)
Julien Erath; Heidelberg / Germany
RPS 2313-11 - Comparison of 3D-printed phantom parts with a conventional anthropomorphic phantom (8 min)
Patrizia Kunert; Neuherberg / Germany

RPS 2313-12 - Proposal of SSIM suitable for 3D medical images (8 min)
Akira Hasegawa; Chapel Hill / United States
RC 2311 - Clinical spine neuroimaging

Categories: Imaging Methods, Interventional Oncologic Radiology, Musculoskeletal, Neuro, Paediatric Imaging

ETC Level: LEVEL I+II

Date: July 17, 2022 | 09:30 - 10:30 CEST

CME Credits: 1

Moderator:
Luc Van Den Hauwe; Ekeren / Belgium

RC 2311-1 - Chairperson’s introduction (5 min)
Luc van den Hauwe; Antwerp / Belgium

RC 2311-2 - Congenital spine lesions (15 min)
Andrea Rossi; Genoa / Italy

RC 2311-3 - Imaging of back pain: upper and lower (15 min)
Tilak Das; Cambridge / UK

RC 2311-4 - Minimally invasive treatment of back pain (15 min)
Luigi Manfrè; Catania / Italy

RC 2311-5 - Panel discussion (10 min)
RC 2308 - Acute head and neck imaging

**Categories:** Emergency Imaging, Head and Neck, Imaging Methods, Ultrasound, Vascular

**ETC Level:** LEVEL I+II

**Date:** July 17, 2022 | 09:30 - 10:30 CEST

**CME Credits:** 1

**Moderator:**
Jan Casselman; Brugge / Belgium

**RC 2308-1 - Chairperson's introduction** (5 min)
Agnieszka Trojanowska; Lublin / Poland

**RC 2308-2 - Facial and skull base trauma imaging** (15 min)
Jan Walther Casselman; Bruges / Belgium

**RC 2308-3 - Imaging infections of the head and neck** (15 min)
Steve Colley; Birmingham / UK

**RC 2308-4 - Imaging of other head and neck emergencies: epistaxis, foreign bodies, and vascular trauma** (15 min)
Damien-Arthur Varoquaux; Marseille / France

**RC 2308-5 - Panel discussion: Is there a role for radiography, ultrasound, or MRI in acute head and neck imaging: the panel's experience** (10 min)
Meets 23 - Radiology skill set needed for Malaysia in facing battle with COVID-19

**Categories:** Breast, Chest, Management/Leadership, Oncologic Imaging, Professional Issues

**ETC Level:** LEVEL III

**Date:** July 17, 2022 | 09:30 - 10:30 CEST

**CME Credits:** 1

**Moderators:**
Andrea Grace Rockall; Godalming / United Kingdom
Norlisah Mohd Ramli; Kuala Lumpur / Malaysia

**Meets 23-3 - Chairperson's introduction: Inter-society relationship and radiology in the post-COVID-19 era** (10 min)
Norlisah Mohd Ramli; Kuala Lumpur / Malaysia

**Meets 23-4 - Radiology meeting the clinician’s expectation in the battle with COVID-19** (15 min)
Aida Abdul Aziz; Sungai Buloh, Selangor / Malaysia

**Meets 23-5 - An alternate skill set in assisting the national vaccination programme** (15 min)
Eric Chung; Kuala Lumpur / Malaysia

**Meets 23-6 - Impact of the COVID-19 pandemic on breast cancer care and radiological perspectives** (15 min)
Kartini Rahmat; Kuala Lumpur / Malaysia

**Meets 23-7 - Panel discussion** (5 min)
OF 23Y - Women in radiology: does gender have an impact on career?

Categories: Education, Management/Leadership, Professional Issues, Research, Students
ETC Level: ALL LEVELS
Date: July 17, 2022 | 09:30 - 10:30 CEST
CME Credits: 1

Moderator:
Laura Oleaga Zufiria; Barcelona / Spain

OF 23Y-1 - Chairperson's introduction (5 min)
Hedvig Hricak; New York, NY / United States

OF 23Y-2 - Advancing your career and finding fulfillment (10 min)
Hedvig Hricak; New York, NY / United States

OF 23Y-3 - Gender disparity study in Spain (10 min)
Laura Oleaga Zufiria; Barcelona / Spain

OF 23Y-4 - My personal experience as a female resident (10 min)
Sue Barter; Bedford / UK
Ivana Blazic; Belgrade / Serbia

OF 23Y-5 - Discussion (25 min)
OF 23R - Recommendations for setting alerts in patient dose values

Categories: EuroSafe Imaging/Radiation Protection, Imaging Methods, Interventional Radiology, Professional Issues, Radiographers

ETC Level: ALL LEVELS

Date: July 17, 2022 | 09:30 - 10:30 CEST

CME Credits: 1

Moderator:
Reinhard W.R. Loose; Nürnberg / Germany

OF 23R-2 - Introduction (5 min)
Reinhard W.R. Loose; Nuremberg / Germany

OF 23R-3 - Dose notifications and alerts: how to implement and use them (15 min)
Virginia Tsapaki; Vienna / Austria

OF 23R-4 - Dose alerts in interventional radiology: how to monitor procedures and avoid skin injuries (15 min)
Efstathios Efstathopoulos; Alimos / Greece

OF 23R-5 - The use of dose notifications and alerts to optimise procedures in CT (15 min)
Michael Lell; Nuremberg / Germany

OF 23R-6 - Open forum discussion (10 min)
E³ 2332 - Renal masses

**Categories:** Genitourinary, Imaging Methods, Interventional Oncologic Radiology, Multidisciplinary, Oncologic Imaging

**ETC Level:** LEVEL II+III

**Date:** July 17, 2022 | 09:30 - 11:00 CEST

**CME Credits:** 1.5

**Moderator:**
Marie-France Bellin; Le Kremlin Bicêtre / France

E³ 2332-1 - Chairperson's introduction (5 min)
Marie-France Bellin; Le Kremlin-Bicêtre / France

E³ 2332-2 - Management options of renal masses in the frail patient (20 min)
Grant Stewart; Cambridge / UK

E³ 2332-3 - Focal treatment of solid renal masses (20 min)
Bernhard Gebauer; Berlin / Germany

E³ 2332-4 - Multimodality staging of renal cell carcinoma: pearls and pitfalls (15 min)
Iztok Caglic; Cambridge / UK

E³ 2332-5 - Multidisciplinary tumour board: case-based panel discussion (30 min)
Marie-France Bellin; Le Kremlin-Bicêtre / France
E³ 2323 - Gynaecology and obstetrics

Categories: Genitourinary
ETC Level: LEVEL I+II
Date: July 17, 2022 | 09:30 - 11:00 CEST
CME Credits: 1.5

Moderator:
Vlad Bura; Cambridge / United Kingdom

E³ 2323-1 - Chairperson's introduction (6 min)
Vlad Bura; Cambridge / UK

E³ 2323-2 - Imaging of the uterus (28 min)
Ramona Woitek; Cambridge / UK

E³ 2323-3 - Disorders of the adnexa (28 min)
Rosemarie Forstner; Salzburg / Austria

E³ 2323-4 - Acute gynaecological and obstetric disorders (28 min)
Lucia Manganaro; Rome / Italy
E³ 2321b - Imaging biomarkers of diffuse liver disease

Categories: Abdominal Viscera, Imaging Methods, Translational Imaging, Ultrasound
ETC Level: LEVEL II+III
Date: July 17, 2022 | 09:30 - 11:00 CEST
CME Credits: 1.5

E³ 2321b-1 - Multiparametric MRI (45 min)
Emanuele Neri; Pisa / Italy

E³ 2321b-2 - Multiparametric US (45 min)
Vito Cantisani; Rome / Italy
E³ 2321a - Breast lesions of uncertain malignant potential (B3 lesions): the management conundrum

**Categories:** Breast, General Radiology, Interventional Oncologic Radiology, Oncologic Imaging

**ETC Level:** LEVEL II

**Date:** July 17, 2022 | 09:30 - 11:00 CEST

**CME Credits:** 1.5

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**E³ 2321a-1 - Imaging appearance of B3 lesions** (45 min)

Pascal A.T. Baltzer; Vienna / Austria

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**E³ 2321a-2 - The clinical management of B3 lesions** (45 min)

Simone Schiaffino; San Donato Milanese / Italy
E³ 2318 - Paediatric brain tumours: a multidisciplinary approach

Categories: Imaging Methods, Multidisciplinary, Neuro, Oncologic Imaging, Paediatric Imaging
Date: July 17, 2022 | 09:30 - 11:00 CEST
CME Credits: 1.5

Moderator:
Birgit B. Ertl-Wagner; Toronto / Canada

E³ 2318-1 - Chairperson's introduction (2 min)
Birgit Ertl-Wagner; Toronto, ON / Canada

E³ 2318-2 - Neurooncology and neuroradiology: why we need each other - the oncologist's perspective (10 min)
Uri Tabori; Toronto, ON / Canada

E³ 2318-3 - Paediatric brain tumours in the molecular age (10 min)
Birgit Ertl-Wagner; Toronto, ON / Canada

E³ 2318-4 - Challenges with response assessment (10 min)
Zoltán Patay; Memphis, TN / United States

E³ 2318-5 - Multidisciplinary tumour board: case-based panel discussion (58 min)
Birgit Ertl-Wagner; Toronto, ON / Canada
BS 23b - The importance of professional engagement

Categories: Management/Leadership, Professional Issues, Radiographers, Research, Students
Date: July 17, 2022 | 09:30 - 11:00 CEST
CME Credits: 1.5

Moderator:
Graciano Paulo; Coimbra / Portugal

BS 23b-2 - Engaging with professional societies (18 min)
Charlotte Beardmore; London / UK

BS 23b-3 - Active continuing professional development (CPD) opportunities (18 min)
Andrew England; Cork / Ireland

BS 23b-4 - Engaging with research (18 min)
Joana Santos; Coimbra / Portugal

BS 23b-5 - The importance of a multidisciplinary outlook (18 min)
Bo R. Mussmann; Odense / Denmark

BS 23b-6 - Panel discussion: What are the barriers and solutions to professional engagement? (18 min)
BS 23a - Thorax: high-resolution computed tomography (HRCT) of lung disease

**Categories:** Chest, Imaging Methods  
**ETC Level:** LEVEL II  
**Date:** July 17, 2022 | 09:30 - 11:00 CEST  
**CME Credits:** 1.5

**Moderator:**  
Marie-Pierre Revel; Paris / France

BS 23a-2 - HRCT findings: parenchimal opacification (30 min)  
Marie-Pierre Revel; Paris / France

BS 23a-3 - HRCT findings: air-filled lung cysts (30 min)  
Nicola Sverzellati; Parma / Italy

BS 23a-4 - HRCT findings: mosaic attenuation pattern/decreased attenuation (30 min)  
Cornelia M. Schaefer-Prokop; Amersfoort / Netherlands
RPS 2311 - Contrast agents meet neuroimaging

Categories: Artificial Intelligence & Machine Learning, Contrast Media, Imaging Methods, Neuro

Date: July 17, 2022 | 09:30 - 10:30 CEST

CME Credits: 1

Moderator:
Salvador Pedraza Gutierrez; Girona / Spain

RPS 2311-2 - Gadoquatrane - a new tetrameric, high relaxivity, macrocyclic gadolinium-based contrast agent for MRI (8 min)
Hubertus Pietsch; Berlin / Germany

RPS 2311-3 - Radiomic and volumetric analysis on the accumulation of gadolinium in the basal nuclei: a pilot study (8 min)
Giorgio Piga; Sassari / Italy

RPS 2311-4 - Detection rate of MR myelography without intrathecal gadolinium in patients with newly diagnosed spontaneous intracranial hypotension (8 min)
Dana Kim; Seoul / Korea, Republic of

RPS 2311-5 - Efficacy and safety of gadopiclenol for central nervous system (CNS) magnetic resonance imaging (MRI): the PICTURE trial (8 min)
Christoph Groden; Mannheim / Germany

RPS 2311-6 - Differences in gadolinium retention of macrocyclic MR contrast agents in a rat model of subtotal renal failure (8 min)
Roberta Bonafe; Colleretto Giacosa / Italy

RPS 2311-7 - Clinical efficacy of reduced-dose gadobutrol vs standard-dose gadoterate in contrast-enhanced CNS imaging: an international, multicentre, prospective, cross-over trial (LEADER-75) (8 min)
Jan Endrikat; Berlin / Germany
RPS 2301 - Novelties in intestinal imaging

**Categories:** GI Tract, Imaging Methods, Multidisciplinary, Oncologic Imaging, Research
**Date:** July 17, 2022 | 09:30 - 10:30 CEST
**CME Credits:** 1

**Moderator:**
Ahmed Ba-Ssalamah; Vienna / Austria

**RPS 2301-2 - FDG PET-CT to assess response of anal squamous cell carcinoma to chemoradiotherapy** (8 min)
Joe Mercer; Manchester / UK

**RPS 2301-3 - A radiomic model for identifying patients with locally advanced rectal cancer who will respond to neoadjuvant chemoradiotherapy** (8 min)
Xiaoping Yi; Changsha / China

**RPS 2301-4 - DW-MRI assessment of response to total neoadjuvant therapy in locally advanced rectal cancer** (8 min)
Francesco Marruzzo; Rome / Italy

**RPS 2301-5 - Locoregional nodal regrowth in rectal cancer patients following a Watch-and-Wait approach: a clinical challenge?** (8 min)
Barbara Geubels; Amsterdam / Netherlands

**RPS 2301-6 - Polyp detection as a quality indicator in a CT colonography service using a reduced bowel preparation without dietary restrictions** (8 min)
Sergio Ruggiero; Latina / Italy

**RPS 2301-7 - DWI ratios at MR-Enterography: a new way for inflammation degree assessment in Crohn's disease patients?** (8 min)
Giuseppe Cicero; Messina / Italy

**RPS 2301-8 - Correlation of unenhanced Computed Tomography scan findings with acute suppurative and necrotising appendicitis: a cross-sectional study** (8 min)
Hazel Anne Tecson; San Juan City / Philippines
RPS 2402 - Breast cancer staging and response to therapy

Categories: Breast, Oncologic Imaging
Date: July 17, 2022 | 11:30 - 12:30 CEST
CME Credits: 1

Moderator:
Mirjan Nadrijanski; Belgrade / Serbia

RPS 2402-2 - A model to predict upstaging to invasive carcinoma in patients preoperatively diagnosed with low-grade ductal carcinoma in situ of the breast (8 min)
Daniela Ballerini; Pavia / Italy

RPS 2402-3 - Determining breast cancer receptor status using MRI apparent diffusion coefficient (ADC) maps: a global perspective for resource-limited practice environments (8 min)
Aisha Lakhani; Nagpur / India

RPS 2402-4 - Diagnostic performance of imaging modalities for response of ductal carcinoma in situ in breast cancer patients treated with neoadjuvant systemic therapy: a systematic review and meta-analysis (8 min)
Thiemo van Nijnatten; Maastricht / Netherlands

RPS 2402-5 - Prediction of primary tumour and axillary lymph node response to neoadjuvant systemic therapy with dedicated breast 18F-FDG PET/MRI in breast cancer (8 min)
Thiemo van Nijnatten; Maastricht / Netherlands

RPS 2402-6 - Role of contrast-enhanced mammography (CEM) as a promising tool in preoperative staging of breast cancer (8 min)
Carlotta Rucci; Rome / Italy

RPS 2402-7 - Preoperative staging of invasive lobular carcinoma (ILC): contrast-enhanced mammography (CEM) as alternative for breast MRI? (8 min)
Marc Lobbes; Sittard-Geleen / Netherlands

RPS 2402-8 - The kinetic and morphologic changes of conventional and ultrafast dynamic contrast-enhanced MRI in breast cancer patients after neoadjuvant chemotherapy-preliminary report (8 min)
Ah Young Park; Seongnam-si / Korea, Republic of
RC 2414 - Developments in magnetic resonance imaging

Categories: Imaging Methods, Physics in Medical Imaging, Professional Issues, Radiographers
Date: July 17, 2022 | 11:30 - 12:30 CEST
CME Credits: 1

Moderators:
Francis Zarb; Msida / Malta
Mitja Rupreht; Maribor / Slovenia

RC 2414-1 - Chairpersons’ introduction (5 min)
Francis Zarb; Msida / Malta
Michael Riccabona; Graz / Austria

RC 2414-2 - Low-field imaging: where it fits in a modern MRI service (15 min)
Joan C. Vilanova; Girona / Spain

RC 2414-3 - Zero TE imaging: applications and considerations (15 min)
Tobias Wood; London / UK

RC 2414-4 - Remote scanning: the MRI: radiographers’ friend or foe? (15 min)
Darren Hudson; Exeter / UK

RC 2414-5 - Panel discussion: Now more than ever, there is a need for dedicated undergraduate and postgraduate MRI programmes (10 min)
RPS 2411 - Multiple sclerosis (MS), inflammatory and infectious diseases

Categories: Imaging Methods, Neuro
Date: July 17, 2022 | 11:30 - 12:30 CEST
CME Credits: 1

Moderator:
Jasmina Boban; Novi Sad / Serbia

RPS 2411-2 - The susceptibility of normal-appearing white matter by quantitative susceptibility mapping (QSM) as a new marker of disability progression in multiple sclerosis (8 min)
Anna Paola Savoldi; Bergamo / Italy

RPS 2411-3 - Quantitative T1-mapping of multiple sclerosis lesions using magnetic resonance fingerprinting (8 min)
Graziella Donatelli; Pisa / Italy

RPS 2411-4 - Imaging of CNS infections in patients with acquired immuno-deficiency syndrome. (8 min)
Soham Naik; Bangalore / India

RPS 2411-5 - Brain structural and cerebral blood flow changes in patients recovered from COVID-19 pneumonia: a 3 months’ follow up study (8 min)
Yuanyuan Qin; Wuhan / China

RPS 2411-6 - Cerebral microbleeds assessment and quantification in COVID-19 patients with neurological manifestation (8 min)
Angela Napolitano; Bergamo / Italy

RPS 2411-7 - Assessment of white matter alterations in patients of migraine using diffusion tensor imaging (8 min)
Civillee Nanda; New Delhi / India

RPS 2411-8 - Non-lesional sources of contrast enhancement on post-gadolinium “black-blood” 3D-T1-SPACE images in patients with multiple sclerosis (8 min)
Emanuele Pravatà; Lugano / Switzerland
RT 24 - Building bridges: working from home in radiology, a blessing, or a curse?

**Categories:** Education, General Radiology, Management/Leadership, Multidisciplinary, Professional Issues

**ETC Level:** LEVEL II+III

**Date:** July 17, 2022 | 11:30 - 12:30 CEST

**Moderator:**
Elmar Kotter; Freiburg / Germany

**RT 24-1 - Chairperson’s introduction (2 min)**
Deniz Akata; Ankara / Turkey

**RT 24-2 - The pros and cons of telework in radiology (8 min)**
Richard Gunderman; Indianapolis, IN / United States

**RT 24-3 - ESR survey results on insourcing teleradiology services among partners of the same organisation (8 min)**
Osman Ratib; Geneva / Switzerland

**RT 24-4 - Discussion (42 min)**
Richard Gunderman; Indianapolis, IN / United States
Osman Ratib; Geneva / Switzerland
Deniz Akata; Ankara / Turkey
RC 2410 - MSK impingement

**Categories:** Imaging Methods, Interventional Radiology, Musculoskeletal, Ultrasound
**ETC Level:** LEVEL I+II
**Date:** July 17, 2022 | 11:30 - 12:30 CEST
**CME Credits:** 1

**Moderator:**
Christoph Schäffeler; Chur / Switzerland

**RC 2410-1 - Chairperson's introduction** (5 min)
Christoph Schaeffeler; Chur / Switzerland

**RC 2410-2 - Shoulder impingement syndromes** (15 min)
Christoph Schaeffeler; Chur / Switzerland

**RC 2410-3 - Hip impingement syndromes** (15 min)
Evangelia Vassalou; Iraklion / Greece

**RC 2410-4 - Impingement syndromes of other joints** (15 min)
P. Diana Afonso; Lisbon / Portugal

**RC 2410-5 - Panel discussion: Basic vs advanced imaging protocols: reference values of femoral and acetabular parameters in femoroacetabular impingement and how to use them** (10 min)
OF 24Y - Undergraduate radiology education: a paradigm shift

Categories: Education, EuroSafe Imaging/Radiation Protection, Professional Issues, Students
ETC Level: ALL LEVELS
Date: July 17, 2022 | 11:30 - 12:30 CEST
CME Credits: 1

Moderator:
Franz Kainberger; Vienna / Austria

OF 24Y-1 - Chairperson's introduction: A paradigm shift in teaching radiation protection (5 min)
Franz Kainberger; Vienna / Austria

OF 24Y-2 - Clinical and diagnostic reasoning: a new mantra in radiology education (10 min)
Laura Oleaga Zufiria; Barcelona / Spain

OF 24Y-3 - Teaching and learning: lessons learned from the EU Basic Safety Standards Directive (10 min)
Reinhard W.R. Loose; Nuremberg / Germany

OF 24Y-4 - ESR iGuide as an educational tool (10 min)
Torsten Diekhoff; Berlin / Germany

OF 24Y-5 - Discussion (25 min)
RPS 2502 - What is new in screening

Categories: Breast, Evidence-Based Imaging, Imaging Methods
Date: July 17, 2022 | 13:00 - 14:30 CEST
CME Credits: 1.5

Moderator: Gordana Ivanac; Zagreb / Croatia

RPS 2502-2 - The relationship between breast screening readers’ real-life performance and performance in a self-assessment scheme in a national breast screening programme (8 min)
Yan Chen; Nottingham / UK

RPS 2502-3 - The performance of automated breast ultrasound, hand-held ultrasound, digital breast tomosynthesis and mammography in breast cancer detection: a comparative study in 2000 women (8 min)
Athina Vourtsis; Athens / Greece

RPS 2502-4 - Contrast-enhanced mammography in the work-up of screening recalls: first results of a prospective two-centre study (8 min)
Andrea Cozzi; Milan / Italy

RPS 2502-5 - The effects of time of reading, hours of sleep, and high reporting volumes without breaks on radiological diagnostic efficacy when detecting breast cancer (8 min)
Mo’ayyad Suleiman; Sydney / Australia

RPS 2502-6 - “Earlier than Early” breast cancer detection in BRCA carriers using computerised quantitative analysis of consecutive DCE-MRI scans: an AI-based feasibility study (8 min)
Debbie Anaby; Ramat Gan / Israel

RPS 2502-7 - Comparison of the performance of radiologists and radiographers in the double reading of screening mammograms in a national breast screening programme (8 min)
Jonathan James; Nottingham / UK

RPS 2502-8 - The yield of breast cancer surveillance in women with PTEN Hamartoma Tumour Syndrome (8 min)
Alma Hoxhaj; Amsterdam / Netherlands

RPS 2502-9 - Mammographic breast compression practice: vendor, screening and diagnostic mammography differences (8 min)
Anika Brameier; Münster / Germany
RPS 2502-10 - A pilot analysis to determine impact of actual time between screens on interval cancer rates in the English Breast Screening Programme (8 min)
Matthew G. Wallis; Cambridge / UK

RPS 2502-11 - Breast cancer screening: tomosynthesis plus synthesised mammograms versus digital mammography: first results of the TOSYMA RCT (8 min)
Walter Heindel; Münster / Germany

RPS 2502-12 - MammoWave - a novel microwave screening system for early breast cancer detection: implications in future breast screening (8 min)
Daniel Álvarez Sánchez-Bayuela; TOLEDO / Spain
CB - Case-Based Diagnosis Training

Categories: Education, General Radiology, Radiographers
ETC Level: LEVEL I
Date: July 17, 2022 | 13:00 - 15:30 CEST
CME Credits: 2.5

Moderators:
Soraya Robinson; Vienna / Austria
Klaus M. Friedrich; Vienna / Austria

CB-1 - Chairpersons' introduction (5 min)
Soraya Robinson; Vienna / Austria
Klaus M. Friedrich; Vienna / Austria

CB-2 - Liver (10 min)
Luis Martí-Bonmatí; Valencia / Spain

CB-3 - Neuro (10 min)
Daniela Prayer; Vienna / Austria

CB-4 - Paediatrics (10 min)
Susan Cheng Shelmerdine; London / UK

CB-5 - Maxillofacial (10 min)
Soraya Robinson; Vienna / Austria

CB-6 - Genitourinary (10 min)
Michael Toepker; Vienna / Austria

CB-7 - Interlude: Food-related imaging signs (30 min)
Burce Ozgen Mocan; Chicago, IL / United States

CB-8 - Head and neck (10 min)
Ursula Schwarz-Nemec; Vienna / Austria

CB-9 - Chest (10 min)
Helmut Prosch; Vienna / Austria
CB-10 - Spine (10 min)
Klaus M. Friedrich; Vienna / Austria

CB-11 - Gastrointestinal (10 min)
Wolfgang Schima; Vienna / Austria

CB-12 - Breast (10 min)
Paola Clauser; Vienna / Austria
RC 2502 - Breast tomosynthesis

**Categories:** Breast, Imaging Methods, Oncologic Imaging, Professional Issues, Translational Imaging

**ETC Level:** LEVEL II

**Date:** July 17, 2022 | 13:00 - 14:00 CEST

**CME Credits:** 1

**Moderator:**
Silvia Perez Rodrigo; Madrid / Spain

**RC 2502-1 - Chairperson’s introduction** (5 min)
Silvia Perez Rodrigo; Madrid / Spain

**RC 2502-2 - Update of tomosynthesis in the screening setting** (15 min)
Alberto Tagliafico; Genoa / Italy

**RC 2502-3 - Tomosynthesis vs contrast-enhanced MRI** (15 min)
Christiane K. Kuhl; Aachen / Germany

**RC 2502-4 - Update on tomo-guided interventions (a must in every radiology department?)** (15 min)
Silvia Perez Rodrigo; Madrid / Spain

**RC 2502-5 - Panel discussion: What is tomosynthesis, beyond a better mammography?** (10 min)
RPS 2507 - Male pelvis and bladder

**Categories:** Artificial Intelligence & Machine Learning, Genitourinary, Imaging Methods, Oncologic Imaging, Ultrasound
**Date:** July 17, 2022 | 13:00 - 14:30 CEST
**CME Credits:** 1.5

**Moderator:**
Athina C Tsili; Ioannina / Greece

**RPS 2507-3 - Diagnostic performance of MRI and US in suspicion of penile fracture** (8 min)
Markus Lerchbaumer; Berlin / Germany

**RPS 2507-5 - A multivariate correlation analysis for determining the clinical and pathology features associated with VI-RADS assessment of bladder cancer in a multicentric prospective validation study** (8 min)
Marco Bicchetti; Rome / Italy

**RPS 2507-6 - Diagnostic performance of the Vesicle Imaging Reporting and Data System (VI-RADS) in differentiating NMIBC and MIBC: are the individual MRI sequences equivalent?** (8 min)
Jasmin Gmeiner; Vienna / Austria

**RPS 2507-7 - Radiomics-based machine learning for the prediction of lymph node metastases in bladder cancer** (8 min)
Eva Gresser; Munich / Germany

**RPS 2507-8 - Is transperineal ultrasound a reliable tool in the evaluation of postprostatectomy urinary incontinence?** (8 min)
Anna Colarieti; Milano / Italy

**RPS 2507-9 - MRI grading: prediction of prostate cancer aggressiveness** (8 min)
Farid Ziayee; Düsseldorf / Germany

**RPS 2507-10 - Network analysis integrating microRNA expression profiling with MRI biomarkers and clinical data for prostate cancer early detection: a proof-of-concept study** (8 min)
Martina Pecoraro; Rome / Italy

**RPS 2507-11 - Comparison of distinguishing capability from malignant to benign prostatic areas among CEST Imaging, DWI and combined discriminators** (8 min)
Yoshiharu Ohno; Toyoake / Japan
RC 2516 - Imaging of immunotherapy

**Categories:** Imaging Methods, Oncologic Imaging

**ETC Level:** LEVEL II+III

**Date:** July 17, 2022 | 13:00 - 14:00 CEST

**CME Credits:** 1

**Moderator:**
Giulia Zamboni; Verona / Italy

**RC 2516-1 - Chairperson's introduction (5 min)**
Giulia Zamboni; Verona / Italy

**RC 2516-2 - Classic pearls and pitfalls in immunotherapy imaging (15 min)**
Clarisse Dromain; Lausanne / Switzerland

**RC 2516-3 - The bright side: response evaluation in immunotherapy (15 min)**
Clemens C. Cyran; Munich / Germany

**RC 2516-4 - The dark side: recognising adverse effects (15 min)**
Mizuki Nishino; Boston, MA / United States

**RC 2516-5 - Panel discussion: Not good enough? Limits of morphological imaging in immunotherapy (10 min)**
RPS 2510b - Spine (musculoskeletal) and peripheral nerves

Categories: General Radiology, Imaging Methods, Musculoskeletal, Neuro

Date: July 17, 2022 | 13:00 - 14:30 CEST

CME Credits: 1.5

Moderator:
Chiara Zini; Firenze / Italy

RPS 2510b-2 - Diagnostic value of water-fat separated images and CT-like images extracted from a single ultra-short echo time sequence for the evaluation of vertebral fractures and degenerative changes of the spine (8 min)
Georg Feuerriegel; Munich / Germany

RPS 2510b-3 - Prospective deployment of a novel deep learning MRI reconstruction for accelerated spine imaging: an analysis of interchangeability, image quality and diagnostic confidence (8 min)
Haidara Almansour; Tübingen / Germany

RPS 2510b-4 - "Ghost sign" and "mushroom sign" on preoperative cervical spine MRI: new signs of ruptured disc with intraoperative correlations (8 min)
Eun Kyung Khil; Hwaseong-si / Korea, Republic of

RPS 2510b-5 - A novel MRI method for assessment of fatty infiltration of the paraspinal muscles in patients with lumbar spinal stenosis, reliability and association with patient reported pain and disability (8 min)
Hasan Banitalebi; Lorenskog / Norway

RPS 2510b-6 - Radiomics of spinal muscles as predictor of allograft rejection in lung transplant (8 min)
Antonella Modugno; Padova / Italy

RPS 2510b-7 - Correlation and association between lumbar spinal stenosis and paraspinal muscle morphology changes (8 min)
Farhana Fadzli; Kuala Lumpur / Malaysia

RPS 2510b-8 - Evolution and prognostic value of intervertebral disc T2-mapping values after ozone chemonucleolysis in patients with lumbar disc herniation (8 min)
Federico Bruno; L’Aquila / Italy

RPS 2510b-9 - Appropriateness evaluation of lumbar spine magnetic resonance imaging referrals from two Irish university hospitals (8 min)
Ali Alanazi; Dublin / Ireland
RPS 2510b-10 - Ultra high-resolution US of the great auricular nerve: normal anatomy and pathological findings in parotidectomised patients (8 min)
Riccardo Picasso; Genova / Italy

RPS 2510b-11 - Novel demonstration of peripheral nerves with high-resolution tomographic ultrasound and high-field MR-tractography - a comparison study (8 min)
Suren Jengojan; Vienna / Austria

RPS 2510b-12 - CT-like MR-derived images for the assessment of craniosynostosis and other pathologies of the paediatric skull (8 min)
Yannik Leonhardt; München / Germany
RPS 2511 - Brain tumour: glioma

Categories: Artificial Intelligence & Machine Learning, Neuro, Nuclear Medicine, Oncologic Imaging

Date: July 17, 2022 | 13:00 - 14:30 CEST

CME Credits: 1.5

Moderator:
Sofie Van Cauter; Holsbeek / Belgium

RPS 2511-2 - Predictive accuracy of T2-FLAIR mismatch sign for the IDH-mutant, 1p/19q non-codeleted low grade glioma: an updated systematic review and meta-analysis (8 min)
Yoon Ah Do; Gyeonggi-do / Korea, Republic of

RPS 2511-3 - 18 F-FLT compared to 11 C-MET positron emission tomography (PET) in the differential diagnosis between recurrent intracranial tumours and treatment-induced changes (8 min)
Ishita Huq; Uppsala / Sweden

RPS 2511-4 - Comparison of intravoxel incoherent motion imaging and dynamic susceptibility contrast perfusion in differentiating intracranial tumour recurrence from treatment-induced changes (8 min)
Jussi Hellström; Uppsala / Sweden

RPS 2511-5 - Subventricular zone involvement as an adverse prognostic factor for glioblastoma, IDH-wild type: survival model update in a brain tumour registry (8 min)
Ji Eun Kim; Seoul / Korea, Republic of

RPS 2511-6 - Magnetic resonance imaging-based risk stratification in diffuse glioma, not otherwise specified, achieves pathologic-level prognostication (8 min)
Eun Bee Jang; Seoul / Korea, Republic of

RPS 2511-7 - Multiparametric MRI for T2 FLAIR mismatch sign in IDH mutant 1p19q non-codeleted astrocytoma (8 min)
Jian Ping Jen; Birmingham / UK

RPS 2511-8 - Machine learning-based radiomics can distinguish between glioblastoma and metastasis (8 min)
Markand Patel; Reading / UK

RPS 2511-9 - Correlation of in vivo MR spectroscopy and ex vivo 2-hydroxyglutarate (2-HG) concentration for prediction of isocitrate dehydrogenase (IDH) mutation status in patients with diffuse glioma (8 min)
Bart van Dijken; Groningen / Netherlands

RPS 2511-10 - The influence of pre- and postsurgery volumetric MRI on high grade gliomas (8 min)
RPS 2511-11 - Fast high-resolution metabolic imaging in glioma patients with non-cartesian compressed-sense MR spectroscopic imaging at 7 Tesla (8 min)
Ovidiu Andronesi; Charlestown / United States
RPS 2510a - Ultrasound intervention and new applications of CT and MRI

**Categories:** EuroSafe Imaging/Radiation Protection, Imaging Methods, Interventional Radiology, Musculoskeletal, Ultrasound

**Date:** July 17, 2022 | 13:00 - 14:30 CEST

**CME Credits:** 1.5

**Moderator:**
Elena E. Drakonaki; Heraklion / Greece

RPS 2510a-2 - Elastosonography evaluation after ESWT (Extracorporeal Shock Wave Therapy) treatment in plantar fasciopathy (8 min)
Daniele Fresilli; Rome / Italy

RPS 2510a-3 - Ultrasound-guided percutaneous needle tenotomy of the long head of biceps tendon (8 min)
Amy O’Brien; Dublin / Ireland

RPS 2510a-4 - Weight bearing cone beam computed tomography (CBCT) of the distal tibiofibular syndesmosis: a systematic review and meta-analysis of healthy adults and those with syndesmotic injuries (8 min)
Firas Raheman; Leicester / UK

RPS 2510a-5 - The use of cone beam computed tomography in the diagnosis of acute radiocarpal and ligamentous wrist injuries - a systematic review and meta-analysis (8 min)
Firas Raheman; Leicester / UK

RPS 2510a-6 - Study the characteristic of occult rib fracture in spectral CT (8 min)
Si Luo; Tianjin / China

RPS 2510a-7 - Optimal keV-settings for virtual monoenergetic reconstructions of photon-counting detector CT datasets in patients status post posterior internal fixation of the spine (8 min)
Daniel Popp; Augsburg / Germany

RPS 2510a-8 - Dynamic MRI measurement allows reliable control of success after surgical correction of patellofemoral instability and maltracking (8 min)
Kai-Jonathan Maas; Hamburg / Germany

RPS 2510a-9 - Diffusion tensor imaging of the median nerve: a systematic review and meta-analysis of normal values in asymptomatic adults and how they change in carpal tunnel syndrome (8 min)
Djamila Rojoa; Leicester / UK

RPS 2510a-10 - T2 mapping of paediatric patellar chondromalacia (8 min)
Elena Voronkova; Moskow / Russia

**RPS 2510a-11 - Comparison of standard and post-processed motion-insensitive propeller MRI sequences using a deep learning-based convolutional neural network for assessment of the shoulder joint** (8 min)
Malwina Kaniewska; Zürich / Switzerland

**RPS 2510a-12 - Whole body photon counting detector CT showing promising results in metal artifact reduction compared to DECT** (8 min)
Ann-Sofi Björkman; Linköping / Sweden
RPS 2508 - Imaging: squamous cell carcinoma

Categories: Artificial Intelligence & Machine Learning, Head and Neck, Imaging Methods, Oncologic Imaging
Date: July 17, 2022 | 13:00 - 14:30 CEST
CME Credits: 1.5

Moderator:
Marco Ravanelli; Martinengo / Italy

RPS 2508-2 - Early response prediction of multiparametric functional MRI and 18F-FDG-PET in patients with head and neck squamous cell carcinoma treated with (chemo)radiation (8 min)
Roland Martens; Amsterdam / Netherlands

RPS 2508-3 - Comparison of image quality and diagnostic performance among DWI obtained by FASE and EPI sequences and reconstructed with and without deep learning reconstruction in suspected head and neck tumour (8 min)
Hirotaka Ikeda; Toyoake / Japan

RPS 2508-4 - MRI-based assessment of the mylohyoid muscle in squamous cell cancer of the floor of mouth, a 7-point score method: T2wi vs STIR and T1+Gdwi (8 min)
Jasmina De Groodt; Trieste / Italy

RPS 2508-5 - Radiomics model to predict radiation-induced temporal lobe injury of nasopharyngeal carcinoma before treatment (8 min)
Dan Bao; Beijing / China

RPS 2508-6 - Iterative metal artifact reduction improves image quality and lesion detection in CT imaging of head and neck cancer (8 min)
Iris Burck; Frankfurt a. Main / Germany

RPS 2508-7 - Comparison between path tracing and volume rendering 3D reconstructions in postsurgical assessment of head and neck complex surgery, followed by bone flap reconstruction in oncologic patients (8 min)
Nicolò Cardobi; Verona / Italy

RPS 2508-8 - Determining Human Papilloma Virus-status of head and neck squamous cell carcinomas using magnetic resonance imaging: a systematic review of the current literature (8 min)
Hedda van der Hulst; Amsterdam / Netherlands

RPS 2508-9 - Dynamic contrast-enhanced MRI in post-treatment head and neck squamous cell carcinoma: are MRI time signal intensity curves useful for differentiating recurrence from benign changes? (8 min)
Jannick De Tobel; Baulmes / Switzerland
RPS 2508-10 - MRI detection of suspected nasopharyngeal carcinoma: a systematic review and meta-analysis (8 min)
Vineet Gorolay; Sydney / Australia

RPS 2508-11 - Evaluation of the causal relationship between imaging-defined nodal features and event free survival in patients with oropharyngeal carcinoma (8 min)
Saad Qureshi; Neston / UK

RPS 2508-12 - Magnetic resonance imaging for assessing cartilage invasion in recurrent laryngeal carcinoma after transoral laser microsurgery (8 min)
Paolo Rondi; Brescia / Italy
RPS 2504 - Fibrotic lung diseases

Categories: Artificial Intelligence & Machine Learning, Chest, EuroSafe Imaging/Radiation Protection, Imaging Methods

Date: July 17, 2022 | 13:00 - 14:30 CEST

CME Credits: 1.5

Moderator: Nicola Sverzellati; Parma / Italy

RPS 2504-2 - Artificial Intelligence-based detection of asbestosis in CT-scans (8 min)
Kevin Groot Lipman; Amsterdam / Netherlands

RPS 2504-3 - MRI ultra short echo-time sequence in systemic sclerosis-interstitial lung disease assessment and correlations with pulmonary function tests: comparison with CT (8 min)
Nicholas Landini; Treviso / Italy

RPS 2504-4 - Lung CT-based elastic registration technique in longitudinal evaluation of idiopathic pulmonary fibrosis (8 min)
Haishuang Sun; Changchun / China

RPS 2504-5 - HRCT chest reporting in patients with suspected idiopathic pulmonary fibrosis (IPF) as per ATS / ERS guidelines (8 min)
Ummara Siddique Umer; Peshawar / Pakistan

RPS 2504-6 - Pulmonary ultrashort TE MR imaging: comparison with high-resolution CT for the assessment of idiopathic pulmonary fibrosis (8 min)
Xiaoyan Yang; Beijing / China

RPS 2504-7 - Prognostic implication of baseline HRCT findings on pulmonary function impairment in the course of fibrotic interstitial lung disease (8 min)
Kaveh Akbari; Linz / Austria

RPS 2504-8 - Potential of photon-counting detector CT for radiation dose reduction in the assessment of interstitial lung disease in patients with scleroderma compared to energy-integrated detector CT (8 min)
Lisa Jungblut; Zürich / Switzerland

RPS 2504-9 - Can deep learning improve image quality of low dose CT: a retrospective study in overweight interstitial lung disease patients (8 min)
Ruijie Zhao; Beijing / China
RPS 2504-10 - Can deep learning keep balance between image quality and radiation dose in interstitial lung disease in prone position CT scanning? (8 min)
Ruijie Zhao; Beijing / China

RPS 2504-11 - Assessment of interstitial lung disease in systemic sclerosis using semiquantitative and quantitative HRCT analysis (8 min)
Francesco Tiralongo; Catania / Italy

RPS 2504-12 - HRCT correlation with clinical and cryobiopsy findings in cases of interstitial lung diseases (ILD) (8 min)
Bhushan Chaudhari; Kalyan / India
RPS 2509 - Interventional management of malignant liver lesions

**Categories:** Artificial Intelligence & Machine Learning, Interventional Oncologic Radiology, Interventional Radiology, Multidisciplinary

**Date:** July 17, 2022 | 13:00 - 14:30 CEST

**CME Credits:** 1.5

**Moderator:**
Thomas K. Karl Helmberger; München / Germany

RPS 2509-2 - Can microwave ablation of HCC modulate systemic inflammation and immunity? An analysis of factors affecting neutrophil-to-lymphocyte ratio and correlation with local tumour progression (8 min)
Angelo Della Corte; Milan / Italy

RPS 2509-3 - Prevalence and clinical significance of clinically evident portal hypertension in patients with hepatocellular carcinoma undergoing transarterial chemoembolisation (8 min)
Lukas Müller; Mainz / Germany

RPS 2509-4 - Laser-induced thermotherapy (LITT) versus microwave ablation (MWA) in hepatocellular carcinoma (HCC): therapy response and survival rates (8 min)
Thomas J. Vogl; Frankfurt a. Main / Germany

RPS 2509-5 - Prediction of late recurrence after radiofrequency ablation of HBV-related hepatocellular carcinoma with the aMAP risk score: a multicentre retrospective study (8 min)
Yu Xin; Beijing / China

RPS 2509-6 - Treatment of primary and secondary liver tumours using microwave ablation (MWA): MR elastography as response parameter (8 min)
Thomas J. Vogl; Frankfurt a. Main / Germany

RPS 2509-7 - Radiofrequency ablation (RFA) of hepatocellular carcinoma (HCC): CT texture analysis of the ablated area to predict local recurrence (8 min)
Daniele Autelitano; Verona / Italy

RPS 2509-8 - Immunonutritive scoring for patients with hepatocellular carcinoma undergoing transarterial chemoembolisation: evaluation of the CALLY index (8 min)
Lukas Müller; Mainz / Germany

RPS 2509-9 - Augmented reality-guided percutaneous thermal ablation of small hepatic tumours: first clinical experience in human patients worldwide (8 min)
Luigi Solbiati; Rozzano / Italy
RPS 2509-10 - Comparison of combined chemoembolisation and microwave ablation with chemoembolisation alone in patients with hepatocellular carcinoma beyond the Milan criteria: a propensity scoring matching study (8 min)
Yu-dong Xiao; Changsha / China

RPS 2509-11 - Intra-arterial peptide receptor radiotherapy using 177 lutetium in combination with CAPTEM regimen for hepatic metastases from neuroendocrine origin: a better direction? (8 min)
Nagateja Bonala; Hyderabad / India

RPS 2509-12 - Does lipiodol retention pattern influence the treatment efficacy of computed tomography guided thermal ablation for hepatocellular carcinoma: a propensity scoring matching study (8 min)
Yu-dong Xiao; Changsha / China
RPS 2503 - Procedural planning and prognosis of CT prior to TAVI/TAVR

Categories: Artificial Intelligence & Machine Learning, Cardiac, Evidence-Based Imaging, Vascular
Date: July 17, 2022 | 13:00 - 14:30 CEST
CME Credits: 1.5

Moderator:
Rodrigo Salgado; Antwerpen / Belgium

RPS 2503-2 - More than annulus sizing: risk prediction by comprehensive quantitative analysis of preprocedural CTA provides superior prediction of mortality compared to conventional risk scores in TAVR (8 min)
Tilman Emrich; Charleston / United States

RPS 2503-3 - Relationship between risk of development of major arrhythmic complications after transcatheter valve implantation and septo-valvular angle (8 min)
Leonardo Benelli; Roma / Italy

RPS 2503-4 - Combined Coronary CT-Angiography (cCTA) and TAVI planning: value of CT-FFR in cCTAs without morphological signs of obstructive coronary artery disease (8 min)
Robin F. Gohmann; Leipzig / Germany

RPS 2503-5 - Preliminary results on the comparison of resting full-cycle ratio and CT fractional flow reserve in patients with severe aortic valve stenosis (8 min)
Marcel Christian Langenbach; Cologne / Germany

RPS 2503-6 - Impact of ML-based coronary computed tomography angiography-derived fractional flow reserve on decision-making in patients with severe aortic stenosis undergoing transcatheter aortic valve replacement (8 min)
Verena Brandt; Charleston / United States

RPS 2503-7 - Diagnostic accuracy of CCTA for the evaluation of obstructive CAD in patients referred for TAVI: a systematic review and meta-analysis (8 min)
Alessandro Serafini; Turin / Italy

RPS 2503-8 - Combined coronary CT-angiography and TAVI planning for ruling out significant coronary artery disease: added value of machine-learning-based CT-FFR (8 min)
Robin F. Gohmann; Leipzig / Germany

RPS 2503-9 - Multiparametric CT-characterisation of myocardial tissue remodelling in patients with severe aortic stenosis candidate to transcatheter aortic valve implantation (8 min)
Chiara Gnasso; Milan / Italy
RPS 2503-10 - Preoperative computed tomography evaluation of SuPRarEnal Aortic burden predicts postprocedural acute kidney injury after transcatheter aortic valve replacement: the SPREAD-AKI study (8 min)
Umberto Viglino; Genoa / Italy

RPS 2503-11 - Cerebral embolisation after percutaneous transfemoral aortic valve implantation (TAVI) and impact on neurocognitive function in the RETORIC study (8 min)
Ferenc Imre Suhai; Budapest / Hungary

RPS 2503-12 - Impact of computed tomography defined sarcopaenia on long-term outcomes of older adults undergoing transcatheter aortic valve implantation (8 min)
Davide Tore; Asti / Italy
RPS 2611 - Imaging and interventions in neurovascular diseases

**Categories:** Imaging Informatics, Interventional Radiology, Neuro

**Date:** July 17, 2022 | 15:00 - 16:00 CEST

**CME Credits:** 1

**Moderator:**
Dorothee Auer; Nottingham / United Kingdom

**RPS 2611-2 - Diffusion tensor imaging in transcatheter aortic valve implantation; association of metric changes and cerebral ischaemic injury** (8 min)
Andrea Varga; Budapest / Hungary

**RPS 2611-3 - Brush sign and collateral supply as potential markers of infarct growth after successful thrombectomy** (8 min)
Alexandre Bani Sadr; Lyon / France

**RPS 2611-4 - Non-invasive assessment of cerebral microvascular changes for predicting cerebral hyperperfusion after revascularisation for moyamoya disease - an ASL MRI study** (8 min)
Vivek Agarwal; Ludhiana / India

**RPS 2611-5 - Sinovenous outflow patency predicts radiosurgical outcomes of dural arteriovenous fistulas in the transverse-sigmoid sinus** (8 min)
Yong-Sin Hu; New Taipei / Taiwan

**RPS 2611-6 - Impact of the laboratory results and initial CT findings on cerebral vasospasm and intrahospital mortality in aneurysmal subarachnoid haemorrhage** (8 min)
Valentina Opancina; Kragujevac / Serbia

**RPS 2611-7 - Mobile commercial consumer-grade device as an option for telemedicine - evaluation of diagnostic performance and efficiency in intracranial arterial aneurysm detection** (8 min)
Elif Can; Berlin / Germany

**RPS 2611-8 - Novel imaging for acute stroke - bioelectromagnetic tomography is safe and sensitive to detect stroke lesions** (8 min)
Francisco Romero-Hinrichsen; Vienna / Austria
**RPS 2608 - Imaging: technical, vascular and infectious issues**

**Categories:** Artificial Intelligence & Machine Learning, Head and Neck, Imaging Methods, Ultrasound, Vascular

**Date:** July 17, 2022 | 15:00 - 16:00 CEST

**CME Credits:** 1

**Moderator:**
Melanie Schernthaner; Vienna / Austria

RPS 2608-2 - Accelerated 3D MR imaging for the semiautomatic airway segmentation in patients with obstructive sleep apnea syndrome (8 min)
Ulrike Grzyska; Luebeck / Germany

RPS 2608-3 - The impact of joint application of hybrid iterative reconstruction and adaptive filter on the photon starvation-induced streaking artifact of neck CT imaging (8 min)
Wenfeng Jin; Kunming / China

RPS 2608-4 - Evaluation of image quality and lesion detection using iterative metal artifact reduction in CT imaging of head and neck abscess (8 min)
Simon S. Martin; Frankfurt a. Main / Germany

RPS 2608-5 - Angiographic carotid computed tomography image quality assessment for left arm versus right arm injections (8 min)
Raana Kanwal; Islamabad / Pakistan

RPS 2608-6 - Mapping of facial artery and vein with high-resolution ultrasound (8 min)
Federico Pistoia; Genova / Italy

RPS 2608-7 - Increasing sensitivity and specificity for diagnosing giant cell arteritis with a multimodal algorithm: moving beyond temporal artery biopsy by mobilising multiple visual diagnostic tools (8 min)
Augustin Lecler; Paris / France

RPS 2608-8 - MRI in odontogenic neck infections: diagnostic accuracy and reliability (8 min)
Jaakko Heikkinen; Paimio / Finland
RPS 2612 - Imaging in children: augmenting accuracy and reducing risk

Categories: Contrast Media, Emergency Imaging, Imaging Methods, Oncologic Imaging, Paediatric Imaging
Date: July 17, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Lorenzo E. Derchi; Genoa / Italy

RPS 2612-2 - Pharmacokinetics, safety and efficacy of a new gadolinium-based contrast agent, gadopiclenol, in paediatric patients (2-17 years) undergoing MRI (8 min)
Silvia Tsvetkova; Plovdiv / Bulgaria

RPS 2612-3 - Combined metabolic and functional tumour volumes on PET/MRI in neuroblastoma: complementary or redundant information by 18F-FDG uptake and diffusion restriction? (8 min)
Maryanna Chaika; Tuebingen / Germany

RPS 2612-4 - Prognostic impact of CT severity score in childhood cancer with SARS-CoV-2 (8 min)
Amal Refaat; Cairo / Egypt

RPS 2612-5 - Accelerating whole-body MRI for follow-up and prevention of paediatric patients with cancer and cancer predisposition syndromes: preliminary results (8 min)
Judith Herrmann; Tuebingen / Germany

RPS 2612-6 - Dose levels for paediatric fluoroscopic imaging in the Netherlands (8 min)
Goswin Croes; Hengelo / Netherlands

RPS 2612-7 - Diagnostic value of abdominal follow-up sonography in paediatric polytrauma patients with inconspicuous initial computed tomography (8 min)
Sophie-Charlotte Alt; Hamburg / Germany

RPS 2612-8 - Assessment of cancer risk associated with increased radiation field sizes for neonates undergoing chest radiography (8 min)
Wiam Elshami; Sharjah / United Arab Emirates
RPS 2605 - Artificial intelligence (AI) in neuroradiology and head and neck imaging

Categories: Artificial Intelligence & Machine Learning, Head and Neck, Imaging Informatics, Neuro
Date: July 17, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Shahriar Islam; London / United Kingdom

RPS 2605-2 - Investigating data fusion and training strategies of artificial intelligence for the diagnosis of Parkinson's disease with Dopamine SPECT imaging (8 min)
Jerome Schmid; Geneva / Switzerland

RPS 2605-4 - Myelin age: automated estimation of myelin maturation on brain MRIs in infancy and early childhood (8 min)
Tuğba Akıncı D'Antonoli; Basel / Switzerland

RPS 2605-5 - A deep learning system for the automated quantification and screening of suspected ventriculomegaly from 2D ultrasound images of the fetal brain (8 min)
Hari Shankar; Chennai / India

RPS 2605-6 - Using 3D dense convolution networks to diagnose Alzheimer's disease in real world data (8 min)
Hua Liu; Shenzhen / China

RPS 2605-7 - External validation of a single centre MR-based radiomic model predictive of locoregional control in oropharyngeal cancer (8 min)
Paula Bos; Hoogland / Netherlands
RPS 2601 - Advances in hepatobiliary imaging

**Categories:** Abdominal Viscera, Contrast Media, Imaging Methods, Research, Ultrasound

**Date:** July 17, 2022 | 15:00 - 16:00 CEST

**CME Credits:** 1

**Moderator:**
Bart J. Op De Beeck; Edegem / Belgium

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RPS 2601-2 - Hepatocellular Adenomas: Gd-EOB-DTPA-enhanced MR imaging features based on 2017 classification system (8 min)
Justin Tse; Stanford / United States

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RPS 2601-3 - Comparative study of MR elastography and dynamic contrast-enhanced imaging in the staging of NAFLD fibrosis (8 min)
Hao Ren; Beijing / China

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RPS 2601-4 - Colorectal liver metastases: MRI appearances before and after chemotherapy (8 min)
Denise van der Reijd; Amsterdam / Netherlands

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RPS 2601-5 - New release of Esaote QElaXto 2D-Shear Wave Elastography (SWE) to evaluate liver stiffness in diffuse chronic liver diseases (8 min)
Laura Maiocchi; Pavia / Italy
RPS 2604 - Lung nodules

Categories: Artificial Intelligence & Machine Learning, Chest, Imaging Methods

Date: July 17, 2022 | 15:00 - 16:00 CEST

CME Credits: 1

Moderator:
Martijn Franklin Boomsma; Nigtevecht / Netherlands

RPS 2604-2 - Prediction of invasive adenocarcinomas manifesting as pure ground-glass nodules based on radiomic signature of low-dose CT in lung cancer screening (8 min)
Yong Li; Chengdu / China

RPS 2604-3 - An integrated nomogram combined clinical-semantic-radiomic features to predict invasive pulmonary adenocarcinomas in subjects with subsolid nodules (8 min)
Fu-Zong Wu; Kaohsiung / Taiwan

RPS 2604-4 - How can we help improve the identification of lung cancers mimicking unresolved community acquired pneumonias? (8 min)
Farah Dadnam; Cardiff / UK

RPS 2604-5 - Lung nodule morphology: effect of deep learning versus iterative reconstruction at different dose levels (8 min)
Caro Franck; Edegem / Belgium

RPS 2604-6 - Ultrashort echo time pulmonary MRI: nodule detection and lung-RADS classification versus standard- or low-dose CTs (8 min)
Yoshiharu Ohno; Toyoake / Japan

RPS 2604-7 - Contextual lung nodule detection with adjacent slices: raising hope for early detection and reducing false positives per scan (8 min)
Stéphanie Lopez; Nice / France

RPS 2604-8 - Diagnostic validation of a deep-learning nodule detection algorithm in low-dose chest CT: determination of optimised dose thresholds in a virtual screening scenario (8 min)
Alan Peters; Bern / Switzerland
RPS 2603 - The importance of epicardial and perivascular fat

Categories: Artificial Intelligence & Machine Learning, Cardiac, Multidisciplinary
Date: July 17, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Rozemarijn Vliegenthart; Groningen / Netherlands

RPS 2603-2 - Epicardial adipose tissue attenuation and fat attenuation index: ex-vivo and in-vivo measurements with photon-counting CT (8 min)
Victor Mergen; Zurich / Switzerland

RPS 2603-3 - Additive value of epicardial adipose tissue quantification to coronary CT angiography derived plaque characterisation and CT fractional flow reserve for the prediction of lesion-specific ischaemia (8 min)
Verena Brandt; Charleston / United States

RPS 2603-4 - Potential role of epicardial adipose tissue as a biomarker of anthracycline cardiotoxicity (8 min)
Caterina Beatrice Monti; Milano / Italy

RPS 2603-5 - Left atrial enhancing epicardial adipose tissue volume fraction on cardiac CT: an independent predictor of atrial fibrillation 1-Year recurrence following pulmonary vein isolation (8 min)
Adrian Thomas Huber; Bern / Switzerland

RPS 2603-6 - Prediction of plaque progression based on pericoronal fat attenuation index combined with traditional parameters of coronary plaque (8 min)
Yinsu Zhu; Nanjing / China

RPS 2603-7 - Machine learning-derived radiomics signature of perivascular fat to predict three subtypes of coronary lesions (8 min)
Jing Yan; Shanghai / China

RPS 2603-8 - Prognostic value of pericoronary adipose tissue thickness measured using cardiac magnetic resonance imaging after revascularisation in patients with ST elevation myocardial infarction (8 min)
Yue Ma; Shenyang / China
RPS 2615 - Cervical and cranial vascular imaging

Categories: Cardiac, Head and Neck, Neuro, Ultrasound, Vascular
Date: July 17, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Elias Johansson; Umeå / Sweden

RPS 2615-2 - Development and validation of CT-based nomogram for identifying symptomatic carotid plaque (8 min)
Binhao Zhang; Taizhou, Zhejiang / China

RPS 2615-3 - Relaxation-enhanced angiography without contrast and triggering (REACT) for the assessment of carotid artery stenosis in acute ischaemic stroke (8 min)
Lenhard Pennig; Cologne / Germany

RPS 2615-4 - Key factors for a rescue stenting strategy in acute intracranial atherosclerosis-related large vessel occlusion based on high-resolution vessel wall imaging (8 min)
Chen Cao; Tianjin / China

RPS 2615-5 - T1 mapping derived by STAGE may help assess the severity of oedema in patients with ischaemic stroke (8 min)
Lianfang Shen; Tianjin / China
RPS 2607 - Diffuse renal pathologies and stone disease: are we better in the meantime?

**Categories:** Contrast Media, Genitourinary, Imaging Methods, Molecular Imaging, Ultrasound

**Date:** July 17, 2022 | 15:00 - 16:00 CEST

**CME Credits:** 1

**Moderator:**
Alexandra Ljimani; Dusseldorf / Germany

RPS 2607-2 - Diffusion kurtosis imaging and arterial spin labelling for the noninvasive evaluation of persistent post-contrast acute kidney injury (8 min)
Bin Wang; Taiyuan[Shanxi] / China

RPS 2607-3 - Diagnostic value of contrast-enhanced ultrasound in renal grafts: a 12 year tertiary referral centre experience (8 min)
Paul Spiesecke; Berlin / Germany

RPS 2607-4 - Association of adipose tissue volume with kidney function parameters (8 min)
Katharina Mueller-Peltzer; Freiburg / Germany

RPS 2607-6 - Diagnostics of radiographic contrast-induced nephropathy by functional renal MR perfusion imaging (8 min)
Alexandra Ljimani; Düsseldorf / Germany

RPS 2607-7 - Can virtual unenhanced images in dual-energy CT replace true unenhanced examination in measuring urinary stone volume? (8 min)
Yannan Cheng; xi'an / China

RPS 2607-8 - Improvement of diagnostics of myeloma specific renal changes by functional MRI-biomarkers (8 min)
Birte Valentin; Düsseldorf / Germany
RPS 2602 - Improving breast cancer staging and pre-operative imaging

Categories: Breast, Imaging Methods, Nuclear Medicine
Date: July 17, 2022 | 15:00 - 16:00 CEST
CME Credits: 1

Moderator:
Daniela Baditescu; Bucuresti / Romania

RPS 2602-2 - The CEDM performance in the presurgical evaluation of DCIS (8 min)
Elena Savi; Florence / Italy

RPS 2602-3 - Breast lesions magnetic localisation: a European large scale evaluation in a national cancer institute (8 min)
Catherine Depretto; Milano / Italy

RPS 2602-4 - Predictive value of automated breast volume scanner in the preoperative evaluation of breast tissues planned for conservative mastectomy and prepectoral reconstruction (8 min)
Anna D'Angelo; Rome / Italy

RPS 2602-5 - Multi-detector CT chest: can it replace contrast enhanced spectral mammography in breast cancer patients candidate for CT staging?! (8 min)
Al-Dhurani Salwa Yahya Ahmed; Cairo / Egypt

RPS 2602-6 - The relationship between combined 18F-FDG PET/MRI parameters of primary tumour and clinical-pathological factors in breast cancer patients with stage T1 tumours (8 min)
Lütfiye Özlem Atay; Ankara / Turkey

RPS 2602-7 - Influence of receptor expression and molecular subtypes on baseline 18F-FDG uptake in breast cancer: systematic review and meta-analysis (8 min)
Thiemo van Nijnatten; Maastricht / Netherlands
RPS 2606 - Translational, hybrid and molecular imaging

**Categories:** Abdominal Viscera, Cardiac, Hybrid Imaging, Molecular Imaging, Nuclear Medicine, Translational Imaging

**Date:** July 17, 2022 | 15:00 - 16:00 CEST

**CME Credits:** 1

**Moderator:**
Jirí Ferda; Plzen / Czechia

**RPS 2606-2 - Effects of anti-TNF-therapy on inflammatory, structural and osteoblastic activity lesions in radiographic axial spondylarthritits: a prospective proof-of-concept study using PET/MRI of Spine and Spine** (8 min)
Nils-Martin Bruckmann; Düsseldorf / Germany

**RPS 2606-3 - To evaluate the correlation of quantitative FDG PET/CT parameters with clinical and endoscopic findings for the Crohn’s disease activity** (8 min)
Sikandar Mohd Shaikh; Hyderabad / India

**RPS 2606-5 - Interrelation between cardiac and brain small vessel disease: a quantitative PET-MRI study** (8 min)
Bianca Mazini; Lausanne / Switzerland

**RPS 2606-8 - Characterisation of morphologic and metabolic response in CAR-T cell treatment of lymphoma** (8 min)
Michael Winkelmann; Munich / Germany