Abdominal Viscera
LI-RADS ancillary features favouring benignity: is there a role in LR-5 observations? (RPS 101a-2)
D. S. Gagliano, R. Cannella, F. Vernuccio, M. Antonucci, G. Brancatelli; Palermo/IT
RPS 101a - Advances in liver imaging (Thursday, March 4, 2021; 09:15-10:15)

GI Tract
Prognostic significance of MRI-detected mesorectal fat thickness in rectal cancer: a risk factor for distance metastasis (RPS 101b-2)
P. Tripathi, Z. Li, Y. Shen, X. Hu, D. Hu; Wuhan/CN
RPS 101b - The cutting edge of GI imaging (Saturday, March 6, 2021; 08:00-09:00)

Breast
A multimodal hybrid 18F-FDG PET/MRI radiomics model discriminating biological properties of malignant and benign breast lesions (RPS 202-7)
V. Romeo1, P. Clauser2, P. Kapetas2, P. A. Baltzer2, S. Rasul2, P. Gibbs3, K. Pinker-Domenig3, R. A. Woitek4, T. H. Helbich2; 1Naples/IT, 2Vienna/AT, 3New York, NY/US, 4Cambridge/UK
RPS 202 - Beyond conventional breast imaging (Sunday, March 7, 2021; 08:00-09:00)

Cardiac
Exposure to environmental tobacco smoke estimated using the SHSES scale and the aortic valve calcification score in the group of patients with arterial hypertension (RPS 103-2)
P. Gac, M. Poreba, G. Mazur, R. Poreba; Wroclaw/PL
RPS 103 - How to further refine personal cardiovascular risk stratification (Wednesday, March 3, 2021; 09:15-10:15)

Chest
Pulmonary cysts as a diagnostic indicator of Birt-Hogg-Dubé syndrome in patients with renal cell carcinoma (RPS 204-5)
A. H. Ashok, T. J. Sadler, S. Scullion, S. Karia, J. Babar, S. J. Marciniak, G. Stewart, E. Maher, M. T. A. Wetscherek; Cambridge/UK
RPS 204 - Body composition, COVID-19, and interstitial diseases in chest imaging (Sunday, March 7, 2021; 15:30-16:30)

Imaging Informatics & Artificial Intelligence
Fully automatic COVID-19 lung and pneumonia lesion segmentation from CT images (RPS 105-2)
I. Shiri1, H. Arabi1, Y. Salimi1, A. Sanaati1, A. Akhavanala1, G. Hajianfar2, D. Askari2, K. R. Kalantari2, H. Zaidi1; 1Geneva/CH, 2Tehran/IR
RPS 105 - Artificial intelligence (AI) and COVID-19 (Saturday, March 6, 2021; 09:15-10:15)

Hybrid, Molecular and Translational Imaging
Bimodal instrument markers for magnetic particle and magnetic resonance imaging (RPS 106-6)
F. Wegner1, S. Cremers2, K. Lüdtke-Buzug1, M. A. Koch1, T. Friedrich1, P. Borm2, T. M. Buzug1, J. Barkhausen1, M. Ahlborg1; 1Lübeck/DE, 2Düsseldorf/DE
RPS 106 - Advances in hybrid and dual-modality imaging (Thursday, March 4, 2021; 10:30-11:30)

Genitourinary
Remote-controlled manipulated transrectal biopsy of the prostate: a promising technique (RPS 107-2)
H. Raat1, R. Van Stiphout1, A. van Gorp1, J. O. Barentsz2; 1Roermond/NL, 2Nijmegen/NL
RPS 107 - The next generation of prostate interventions using state-of-the-art imaging techniques (Friday, March 5, 2021; 09:15-10:15)
Head and Neck
Application of medical 3D printing in cochlear implantation for precise electrode array placement: a prospective study (RPS 208-2)
S. Agarwal, M. Grover, M. Bagarhatta, A. Prakash; Jaipur/IN
RPS 208 - Thyroid imaging and otology/audiology (Friday, March 5, 2021; 18:00-19:00)

Interventional Radiology
MRI-guided percutaneous cryoablation of small renal masses: automated 3D margin assessment using intraoperative MR-MR image fusion and correlation with local outcome (RPS 109-2)
N. S. de Jager1, T. J. van Oostenbrugge1, T. Paetz2, S. F. M. Jenniskens1, J. J. Futterer1, H. F. Langenhuijsen2, C. G. Overduin1; 1Nijmegen/NL, 2Bremen/DE
RPS 109 - Improving interventional radiology (IR) procedure results through advanced technology (Thursday, March 4, 2021; 18:00-19:00)

Musculoskeletal
Development of deep learning models to differentiate atypical lipomatous tumours and lipomas on MR images (RPS 110-4)
RPS 110 - Deep learning and novel imaging applications in musculoskeletal radiology (Saturday, March 6, 2021; 10:30-11:30)

Neuro
Carotid plaque characteristics predict recurrent ischemic stroke - The Plaque At RISK study: a prospective multicentre study to identify high-risk carotid plaques (RPS 111-3)
D. H. K. Dam-Nolen1, M. Kassem2, A. G. van der Kolk3, M. I. Liem4, D. Bos1, P. J. Nederkoorn4, J. Hendrikse3, A. Van Der Lugt1, E. Kooi2; 1Rotterdam/NL, 2Maastricht/NL, 3Utrecht/NL, 4Amsterdam/NL
RPS 111 - Advances in neurovascular imaging for stroke management (Wednesday, March 3, 2021; 11:45-12:45)

Paediatric
Fully-automated segmentation of neuroblastic tumours on multi-sequence MRI using convolutional neural networks (RPS 112-2)
L. Cerda Alberich, L. Marti-Bonmati; Valencia/ES
RPS 112 - Evaluating new imaging techniques for children (Thursday, March 4, 2021; 19:45-20:45)

Physics in Medical Imaging
Bin-combination-based noise reduction for metal artifact reduction in photon-counting CT (RPS 113-2)
P. M. Trapp, A. Byl, L. Klein, S. Heinze, H-P. Schlemmer, S. Sawall, M. Kachelrieß; Heidelberg/DE
RPS 113 - The ultimate goal: improvement of image quality (Wednesday, March 3, 2021; 16:45-17:45)

Radiographers
A retrospective clinical audit on the quality of positioning standards in plain film radiography (RPS 114-2)
RPS 114 - Quality improvement in radiography (Friday, March 5, 2021; 11:45-12:45)

Plaque inflammation-related metabolism and plaque features of instability: an initial exploration using corresponding PET/CT and MRI slices (RPS 114-7)
N. Giannotti1,2, J. McNulty2, S. J. Foley2, S. Murphy2, M. Marnane2, G. Horgan2, E. Kavanagh2, M. J. O’Connell2, P. Kelly2; 1Sydney/AU, 2Dublin/IE
RPS 114 - Quality improvement in radiography (Friday, March 5, 2021; 11:45-12:45)

Radiotherapy education in the EU: impact on practitioners’ mobility and patient safety (RPS 214-4)
J. G. Couto1, S. L. McFadden2, P. McClure2, P. Bezzina1, C. Hughes2; 1Msida/MT, 2Jordanstown/UK
RPS 214 - The radiography profession: a life-long learning experience (Saturday, March 6, 2021; 19:45-20:45)
Vascular

Non-contrast magnetic resonance angiography (MRA) using inflow-sensitive inversion recovery (IFIR) technique for upper abdominal arterial vessels evaluation: comparison with CE-MRI and CTA (RPS 115-2)
M. Porta, P. A. Bonaffini, R. Simonini, M. Balbi, C. Maino, S. Sironi; Bergamo/IT
RPS 115 - Modern techniques in vascular diagnostics (Saturday, March 6, 2021; 14:15-15:15)

Oncologic Imaging

Gadoxetic acid MRI for the assessment of HCC response to Yttrium 90 radioembolisation: correlation with histopathology (RPS 116-2)
N. Vietti Violi1, J. Gnerre2, S. Hectors2, O. Bane2, A. Law2, I. Fiel2, B. Taouli2; 1Lausanne/CH, 2New York, NY/US
RPS 116 - Novel imaging biomarkers for assessment, treatment response, and outcome prognostication of cancers (Wednesday, March 3, 2021; 15:30-16:30)

Emergency Imaging

Accuracy of MRI imaging for acute abdominal pain in pregnancy (RPS 117-3)
B. Buckley, M. C. Murphy, F. Delaney, T. Geoghegan, C. G. Cronin; Dublin/IE
RPS 117 - The emergency department sees some of the most complex patients: how radiology can help (Sunday, March 7, 2021; 19:45-20:45)