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EUROPEAN CONGRESS OF RADIOLOGY
ECR2020
Vienna, March 11–15

LECTURES/PRESENTATIONS BY RADIOGRAPHERS AT ECR 2020
OUTSIDE DEDICATED RADIOGRAPHER SESSIONS
(PRESENTERS WITH THE PROFESSION RADIOGRAPHER/RADIOLOGICAL TECHNOLOGIST)

Wednesday, March 11, 2020

The evaluation of cartilage degeneration using quantitative ultrashort echo time magnetisation transfer (UTE-MT): a feasibility study (RPS 110-2)
J. Yang[1], H. Shao[1], Y. Ma[2], L. Wan[2], J. Du[2], G. Tang[1]; [1]Shanghai/CN, [2]San Diego/US
RPS 110 - Cartilage, bone marrow oedema, tissue and body imaging (March 11; 08:30-10:00; Room M 1)

Influence of the minimum b-value on prostate cancer assessment using conventional DWI and DKI models (RPS 116-3)
N. Adubeiro[1], L. Nogueira[1], R. G. Nunes[2], H. A. Ferreira[2], E. F. C. Ribeiro[1], J. M. La Fuente[1]; [1]Porto/PT, [2]Lisbon/PT
RPS 116 - Oncologic imaging in genitourinary: kidney and prostate, advanced topics (March 11; 08:30-10:00; Room O)

Radiomic features of tumour and fibro-grandular tissue for predicting sentinel lymph node metastasis of breast cancer (MyT3 2-19)
X. Chen; Chengdu/CN
MyT3 2 - Breast (March 11; 10:30-12:00; Room Y)

Myocardial perfusion status in patients with coronary chronic total occlusion: evaluated by 16-cm wide detector CT (RPS 203-2)
K. Liu, Z. Li; Chengdu/CN
RPS 203 - Myocardial perfusion imaging and infarct characterisation: diagnosis and prognosis (March 11; 10:30-12:00; Coffee & Talk 3)

DWI sequence in cardiac imaging: a valid contrast-free substitute for late gadolinium enhancement (LGE) and T2-STIR in patients with acute myocardial infarction (RPS 203-13)
C. Marzi[1], C. Martini[2], N. Gaibazzi[2], A. Palumbo[2], G. W. Antonucci[3]; [1]Reggio Emilia/IT, [2]Parma/IT, [3]Barletta/IT
RPS 203 - Myocardial perfusion imaging and infarct characterisation: diagnosis and prognosis (March 11; 10:30-12:00; Coffee & Talk 3)

A comparison of image quality and radiation dose between split-filter dual-energy images and single-energy images in paediatric abdominal CTs (RPS 212-15)
Y. Gao, Y. Chen, Y. Dai; Guangzhou/CN
RPS 212 - New insights in paediatric body imaging (March 11; 10:30-12:00; Room G)

The Role of the Safety Checklist in an Irish Paediatric Computed Tomography (CT) Department. (ESI-05351)
N. Kirk, E. L. Twomey, L. Bowden, C. Saidlear; Dublin/IE
VoE 005 - EuroSafe Imaging - Paediatric imaging safety around the world (March 11; 13:00-14:00; VoE Stage 1)

Clinical feasibility of compress SENSE 3D MR cholangiopancreatography (CS-MRCP) with real-time tracking (vital eye) in pancreaticobiliary disorders: a preliminary study (RPS 301a-13)
M. He, J. Xu, X. Wang, J. Wang, H. Xue, Z. Jin; Beijing/CN
RPS 301a - Pancreas and biliary disease (March 11; 14:00-15:30; Room M 1)

The application of neurovascular 4Dflow MRI in the assessment of haemodynamics on patients with Moyamoya disease (RPS 311-11)
J.-G. Zhang, Z. Li; Chengdu/CN
RPS 311 - Gadolinium retention and neurovascular imaging (March 11; 14:00-15:30; Room X)

Frequency-dependent changes of interhemispheric functional connectivity and aberrant cerebral synchronisation in idiopathic generalised epilepsy (RPS 312-11)
X. Ma, L. Jiang, S. Li, T. Zhang; Zunyi/CN
RPS 312 - New insights in paediatric head and neck imaging (March 11; 14:00-15:30; Room Descartes (D3))

Automatic Classification and Clinical Comparative study of benign and malignant Bone tumors by Machine Learning based on Imaging features (C-00600)
D. Pan[1], G. Qin[1], R. Liu[1], B. Zheng[1], Z. Luo[2], J. Yuan[3], B. Hu[4], W. Chen[1]; [1]Guangzhou/CN, [2]Shenzhen/CN, [3]Foshan/CN, [4]Fosan/CN
VoE 077 - Artificial Intelligence and Machine Learning (March 11; 15:00-16:00; VoE Stage 3)

Role of radiographers in "Quality and Standards" (C 2-3)
H. H. Hjemly; Sorumsand/NO
C 2 - Quality and standards (March 11; 16:00-17:00; Coffee & Talk 1)

Evaluating the vessel wall permeability of abdominal aortic aneurysm using 3D dynamic contrast-enhanced MRI (MyT3 4-3)
B. Tian, X. Tian, Z. Shi, J. Lu; Shanghai/CN
MyT3 4 - Vascular (March 11; 16:00-17:30; Room Y)

The use of near-infrared spectroscopy (NIRS) to measure vascular haemodynamics within bone tissue in vivo (MyT3 4-5)
R. Meertens, K. Knapp, F. Casanova, W. D. Strain; Exeter/UK
MyT3 4 - Vascular (March 11; 16:00-17:30; Room Y)

Resting-state functional connectivity in patients with asymptomatic stenoses of the internal carotid arteries (MyT3 4-7)
A. Lepekhina; St. Petersburg/RU
MyT3 4 - Vascular (March 11; 16:00-17:30; Room Y)

Angiographic analysis on posterior fossa haemorrhages and vascular malformations using computed tomographic angiography and digital subtraction angiography (MyT3 4-8)
V. Selvamurugan, V. Singh, R. V. Phadke, Z. Neyaz; Lucknow/IN
MyT3 4 - Vascular (March 11; 16:00-17:30; Room Y)

Carotid stenosis evaluation by 128-slice CT: comparison of NASCET, ECST and CC grading methods, and comparison with colour-Doppler ultrasonography (MyT3 4-16)
F. M. H. Rijnberg, A. Lammertink; Groningen/NL
MyT3 4 - Vascular (March 11; 16:00-17:30; Room Y)

TI optimisation for postmortem FLAIR MRI: a pilot study (RPS 411-15)
C. Bruguier, J.-F. Knebel, V. Magnin, P. Genet, V. Dunet; Lausanne/CH
RPS 411 - Paediatric neuroimaging and neuroanatomy (March 11; 16:00-17:30; Room M 4)

Thursday, March 12, 2020

Applying clinical 7 Tesla MRI scanners for postmortem examinations in forensic medicine (RPS 411-14)
D. Gascho, E. Deininger-Czermak, N. Zoelch, M. Thali; Zurich/CH
RPS 411 - Paediatric neuroimaging and neuroanatomy (March 11; 16:00-17:30; Room M 4)

Clinical audit: the radiographer's perspective (PC 5-4)
G. N. Paulo; Coimbra/PT
PC 5 - Audit and value in clinical radiology: enhancing quality (March 12; 08:30-10:00; Room X)

The predictive value of pre- and post-neoadjuvant chemoradiotherapy MRI characteristics for patient outcomes in locally advanced rectal cancer (RPS 601a-1)
Y. Meng[1], C. Wang[2], P. Dou[1], H. Zhang[3], K. Xu[1], C. Zhou[3]; [1]Xuzhou/CN, [2]Jiangsu/CN, [3]Beijing/CN
RPS 601a - Advances in rectal cancer imaging (March 12; 11:15-12:30; Room C)

Multi-parameter magnetic resonance imaging for staging liver fibrosis and detecting macrophage polarisation (RPS 601c-7)
Y. M. Lu, D. Wang; Shanghai/CN
RPS 601c - Diffuse liver disease (March 12; 11:15-12:30; Room M 5)

A systematic review on variability in studies of breast diffusion-weighted imaging for treatment monitoring (RPS 602a-3)
K. van der Hoogt, R.-J. Schipper, G. Winter-Warnars, L. C. Ter Beek, C. Loo, R. M. Mann, R. G. H. Beets-Tan; Amsterdam/NL
RPS 602a - Contrast-enhanced breast MRI and beyond (March 12; 11:15-12:30; Room O)

Association of the differences in average glandular dose with breast cancer risk (RPS 602b-8)
L. Ma, X. Lin, G. Qin, Y. Cai, W. Chen; Guangzhou/CN
RPS 602b - High-risk situations in breast cancer (March 12; 11:15-12:30; Room E)

Global longitudinal diastolic strain rate as an early marker for predicting adverse outcomes in hypertrophic cardiomyopathy by cardiac magnetic resonance feature tracking (RPS 603a-2)
X. Chunchao, Z. Li; Chengdu/CN
RPS 603a - Cardiomyopathies: functional assessment and deep phenotyping (March 12; 11:15-12:30; Studio 2020)

Texture analysis and machine learning of T1 maps and ECV compared with strain parameters: differentiation among hypertrophic cardiomyopathy, hypertensive heart disease, and normal control (RPS 603a-8)
R.-Y. Shi, L. Wu, J.-R. Xu; Shanghai/CN
RPS 603a - Cardiomyopathies: functional assessment and deep phenotyping (March 12; 11:15-12:30; Studio 2020)

The impact of hybrid iterative reconstruction on quantitative analysis with pulmonary CT (RPS 604a-9)
Z. Liu; Beijing/CN
RPS 604a - Evaluation of interstitial lung disease: recent advances and new techniques (March 12; 11:15-12:30; Room Darwin (D2))

Reproducibility of radiomics in pelvic MRI: the effect of variations between readers, segmentation methodology, and software (RPS 605a-7)
N. Schurink, J. J. M. van Griethuysen, L. A. Min, R. G. H. Beets-Tan, S. R. van Kranen, D. M. J. Lambregts; Amsterdam/NL
RPS 605a - Artificial intelligence and MRI radiomics (March 12; 11:15-12:30; Room N)

Fabrication of adriamycin /Fe$_3$O$_4$ gelatin microspheres via a high-voltage electrospraying method for embolisation (RPS 609b-5)
J. Li, J. Ji, C. Lu, N. Zhang; Lishui/CN
RPS 609b - Experimental (March 12; 11:15-12:30; Room M 2)

Photothermal-mediated local heating using a branched gold nanoparticle-coated stent to suppress stent-induced tissue hyperplasia in a rat's gastric outlet (RPS 609b-12)
M. Kim; Jeju-si/KR
RPS 609b - Experimental (March 12; 11:15-12:30; Room M 2)

Study on feasible elemental statistics of MR-phase information for AD diagnosis (RPS 611a-3)
S. Shinohara[1], T. Yoneda[2], Y. Tatewaki[3], B. Thyreau[3], T. Nagasaka[3], T. Mutoh[3], H. Arai[3], Y. Taki[3]; [1]Kuhonji Chuo-Ward, Kumamoto/JP, [2] Kumamoto/JP, [3]Sendai/JP
RPS 611a - Neurodegenerative diseases (March 12; 11:15-12:30; Room F2)

The potential of deep learning image reconstruction for CT for reducing radiation exposure: a phantom study (RPS 613-5)
N. Nagasawa, K. Kitagawa, N. Kubooka, Y. Ichikawa, A. Yamazaki, H. Maki, H. Sakuma; Tsu/JP
RPS 613 - Artificial intelligence (AI) revising the physics in medical imaging (March 12; 11:15-12:30; Coffee & Talk 3)

Low-contrast media dose protocol in renal CT angiography for non-obese patients: the usefulness of low virtual mono-energetic images derived from a dual-layer spectral detector CT (RPS 615-8)
Y. Yang, F. Yan, R. Chang, X. Chen, Q. Han, H. Dong; Shanghai/CN
RPS 615 - CT in vascular imaging (March 12; 11:15-12:30; Room X)

Preoperative prediction of peritoneal metastasis in colorectal cancer using a clinical-radiomics model (RPS 616b-1)
M. Li, T. T. Tong; Shanghai/CN
RPS 616b - Metastatic malignancies: advanced diagnosis and radiomics data (March 12; 11:15-12:30; Coffee & Talk 2)

DCE MRI and mammography: a worthy diagnostic alliance for identifing breast microcalcifications?
(C-00317)
X. Mei, M. Jie, Y. Chunyan, H. Genwen, L. Xiaohui; Shenzhen/CN
VoE 012 - Breast (March 12; 13:00-14:00; VoE Stage 1)

Development and validation of a risk model based on deep learning method for preoperative prediction of occult peritoneal metastasis in gastric cancer
(RPS 701-14)
D. Liu[1], Z. Huang[1], B. Wu[1], P. Yu[2]; [1]Chengdu/CN, [2]Beijing/CN
RPS 701 - Upper GI tract: what is new? (March 12; 14:00-15:30; Coffee & Talk 1)

Quantitative assessment of left ventricular regional myocardial strain changes in patients with coronary chronic total occlusion using cardiac magnetic resonance: a pilot study (RPS 703-2)
K. Liu, Z. Li, C. Xia, K. Diao; Chengdu/CN
RPS 703 - Cardiac function: advanced imaging techniques (March 12; 14:00-15:30; Room F2)

Age and sex-related influences on left atrial phasic function in type 2 diabetes mellitus patients from a Chinese population: a feature tracking cardiovascular magnetic resonance imaging (RPS 703-8)
M.-T. Shen, Z.-G. Yang; Chengdu/CN
RPS 703 - Cardiac function: advanced imaging techniques (March 12; 14:00-15:30; Room F2)

Case example: clinical audit template (C 14-4)
T. Ø. Holter; Oslo/NO
C 14 - Clinical audit and the European-Basic Safety Standards (EU-BSS): where are we now? (March 12; 16:00-17:00; Coffee & Talk 2)

Dual-Layer Single source Spectral CT: added diagnostic value in assessment of radiological imaging findings and literature review (C-09193)
C. M. Spasiano[1], D. Ippolito[1], M. Ragusi[1], C. Maino[1], M. Porta[1], T. P. Giandola[1], L. Riva1, C. R. G. L. O. M. Talei Franzesi[2], S. Sironi1; [1]Monza/IT, [2]Milano/IT
VoE 050 - Physics in Medical Imaging (March 12; 16:00-17:00; VoE Stage 2)

Friday, March 13, 2020

Whole-tumour texture analysis of apparent diffusion coefficient maps obtained using 3.0T MRI for distinguishing uterine endometrial carcinoma from endometrial polyps (MyT3 9-13)
W. Wang, J. Cheng, Y. Zhang; Zhengzhou/CN
MyT3 9 - Artificial Intelligence and Machine Learning (March 13; 08:30-10:00; Room Y)

Impact of an artificial intelligence-based noise reduction algorithm on image quality in low-dose coronary CT angiography of obese patients (MyT3 9-6)
P. Liu, Y. Wang, M. Yu, Z. Liu, M. Wang, Z. Jin; Beijing/CN
MyT3 9 - Artificial Intelligence and Machine Learning (March 13; 08:30-10:00; Room Y)

Quantitative collateral vessel density associated with the prognosis of mechanical thrombectomy on intracranial large vessel occlusion: an initial study based on CT perfusion imaging (RPS 909-6)
Z. Shi, M. Yang, H. Wang, J. Lu; Shanghai/CN
RPS 909 - Neuro-interventions (March 13; 08:30-10:00; Room C)

Native T1 mapping early detects the cardiotoxicity caused by daunorubicin: verified by histological
(RPS 1003a-9)
R. Xu, H. Liu, Y. Guo, L. Chen; Chengdu/CN
RPS 1003a - Emerging applications: cardio-oncology and athletes' hearts (March 13; 11:15-12:30; Room K)

Identifying early stages of doxorubicin-induced cardiotoxicity in rat model using 7.0 tesla cardiac magnetic resonance and creatine kinase isoenzymes
(RPS 1003a-10)
S. Wang, F. Gao; Chengdu/CN
RPS 1003a - Emerging applications: cardio-oncology and athletes' hearts (March 13; 11:15-12:30; Room K)

Quantitative comparison of a novel visualisation technique (gradient-intensity projection, GIP) with an average projection for ultra-low-dose CTs of the chest
(RPS 1005a-9)
S. Carey[1], B. E. Hoppel[2], W. Hamilton[1], S. Kandel[3], P. Rogalla[1]; [1]Toronto, ON/CA, [2]Vernon Hills, WI/US, [3]Berlin/CA
RPS 1005a - Radiomics and texture analysis (March 13; 11:15-12:30; Room M 2)

Quantitative ultrashort echo time MRI (UTE-MRI) for the diagnosis of early cartilage degeneration: a comparison with T2 mapping (RPS 1010a-5)
J. Yang[1], H. Shao[1], L. Wan[2], J. Du[2], G. Tang[1]; [1]Shanghai/CN, [2]San Diego/US
RPS 1010a - Artificial intelligence (AI) and new techniques in MRI (March 13; 11:15-12:30; Room B)

Radiomics analysis of enhancing residual tumours better predicts survival in post-surgery MRI patients with brain glioblastomas (RPS 1011b-3)
A. Garcia-Ruiz[1], P. Naval Baudín[2], M. Ligero[1], A. Pons Escoda[1], N. Calvo[2], M. Cos Domingo[1], C. Majós Torró[1], R. Perez Lopez[1]; [1]Barcelona/ES, [2]L'Hospitalet de Llobregat/ES
RPS 1011b - Radiomics and deep learning in neuroimaging (March 13; 11:15-12:30; Room M 1)

Diagnostic performance of morphometric vertebral fracture analysis (MXA) in children using a 33-point software program (RPS 1012a-5)
F. F. Alqahtani[1], N. J. Crabtree[2], P. Bromiley[3], T. Cootes[3], P. Broadley[1], I. Lang[1], A. C. Offiah[1]; [1]Sheffield/UK, [2]Birmingham/UK, [3]Manchester/UK
RPS 1012a - Paediatric musculoskeletal imaging: what's new? (March 13; 11:15-12:30; Coffee & Talk 2)

Post-transplant thymus restoration is a really good predictor of transplant outcomes? (RPS 1012b-11)
M. Cuccaro, F. F. Zennaro, R. Simeone, F. M. Murru, N. Maximova; Trieste/IT
RPS 1012b - Advanced imaging in paediatric cancers (March 13; 11:15-12:30; Room F2)

Pulmonary embolism: feasibility of two lower doses of contrast medium protocols in renally fragile and non-fragile patients (C-04920)
A. Devetti[1], F. Toso[1], S. Smania[2]; [1]Udine/IT, [2]Majano/IT
VoE 054 - Italian (March 13; 12:00-13:00; VoE Stage 2)

The use of dose monitoring software in fluoroscopy guided pediatric procedures performed with a low-dose autoexposition trajectory (ESI-03724)
R. Gerasia, C. Caruso, A. Cucchiara, G. S. Gallo, S. Maggio, C. Tafaro, R. Miraglia; Palermo/IT
VoE 021 - EuroSafe Imaging - Paediatric imaging optimisation (March 13; 14:00-15:00; VoE Stage 1)

Can CT Texture Analysis Predict the World Health Organization Grade of Rectal Neuroendocrine Tumors? (C-07427)
P. Liang, Z. Li; Wuhan/CN
VoE 091 - Artificial Intelligence and Machine Learning (March 13; 14:00-15:00; VoE Stage 3)

µCT-monitoring of neutrophil elastase deficiency on a mouse model of cystic fibrosis-like lung disease (RPS 1104-1)
L. Zhu, Z. Zhou-Suckow, J. Salomon, D. Leitz, W. Stiller, W. Wagner, H.-U. Kauczor, M. O. Wielpütz; Heidelberg/DE
RPS 1104 - New applications of advanced CT and MRI (March 13; 14:00-15:30; Room F2)

Diagnostic value of combining PI-RADS v2.1 with prostate-specific antigen density in prostate cancer (RPS 1107-8)
X. Wei, J. Zou, S. Zhong, G. Hu, J. Xu; Shenzhen/CN
RPS 1107 - Prostate lesions scoring and treatment (March 13; 14:00-15:30; Room K)

Feasibility study of 4D flow MRI to evaluate haemodynamics in patients with intracranial aneurysms (RPS 1111-9)
J.-G. Zhang, Z. Li; Chengdu/CN
RPS 1111 - Neurovascular diseases (March 13; 14:00-15:30; Room M 1)

Identification of lodged projectiles on CT based on their shape, caliber measurements and dual-energy material differentiation (RPS 1117-8)
D. Gascho[1], N. Zoelch[1], E. Deininger-Czermak[1], C. M. S. Tappero[1], A. Buehlmann[1], P. Wyss[1], M. Thali[1], S. Schaerli[2]; [1]Zurich/CH, [2]Basel/CH
RPS 1117 - Abdomen and brain (March 13; 14:00-15:30; Room da Vinci (D1))

Detection of CVA and TIA at the emergency department triage: developing a prediction machine learning model (RPS 1117-7)
E. Druskin[1], E. Zimlichman[1], S. Soffer[2], S. Bader[1], Y. Barash[1], E. Konen[1], E. Klang[1]; [1]Ramat Gan/IL, [2]Tel Aviv/IL
RPS 1117 - Abdomen and brain (March 13; 14:00-15:30; Room da Vinci (D1))

Thigh volume agreement between dual-energy X-ray absorptiometry, anthropometry and musculoskeletal echography in female handball athletes and sedentary young women (C-09717)
O. M. D. C. Tavares, I. Veiga, J. P. Duarte, R. A. M. Santos; Coimbra/PT
VoE 057 - Portugal (March 13; 15:00-16:00; VoE Stage 2)

Chairperson's introduction (IF 12-1)
B. Said; London/UK
IF 12 - The child as an individual: whose life is it anyway? (March 13; 16:00-17:30; Room O)

Sensitivity to user input in deep learning-based vertebral segmentation from lateral cervical spine x-rays (RPS 1205-2)
J. Spencer[1], J. Tabak[1], J. R. Meakin[1], G. Slabaugh[2], S. M. M. R. Al Arif[3], K. Knapp[1]; [1]Exeter/UK, [2]London/UK, [3]Veldhoven/NL
RPS 1205 - Artificial intelligence and machine learning for x-ray imaging (March 13; 16:00-17:30; Coffee & Talk 2)

Whole-tumor Diffusion Kurtosis imaging Histogram Analysis for Evaluation of Treatment Response in Local Advanced Rectal Carcinoma after Neoadjuvant Chemoradiotherapy: a preliminary study (C-06643)
Y. Liu, Z. Wen, S. Yu; Guangzhou/CN
VoE 024 - Chinese (March 13; 17:00-18:00; VoE Stage 1)

Abnormal origin of the left coronary artery: prevalence and anatomic characteristics in 33,361 patients undergoing coronary CTA (C-08193)
P. Han, K.-Y. Diao, S. Huang, Z.-G. Yang, Y.-K. Guo; Chengdu/CN
VoE 024 - Chinese (March 13; 17:00-18:00; VoE Stage 1)

Saturday, March 14, 2020

Interactive cases presentation with renal cysts (part 2) (ESR/EFSUMB-7)
M. Ragel; Liverpool/UK
ESR/EFSUMB - Bosniak cyst classification (March 14; 08:30-10:00; Tech Gate Auditorium)

Dynamic contrast-enhanced MR imaging of rectal cancer using a golden-angle radial stack-of stars VIBE sequence: pharmacokinetic analysis and associations with different histopathological findings (MyT3 13-2)
Y. Li, Z. Li, C. Xia; Chengdu/CN
MyT3 13 - Abdominal and Gastrointestinal (March 14; 08:30-10:00; Room Y)

Challenges, opportunities, and strategies of global health radiology in low-middle income countries (LMIC): an excerpt review (RPS 1305-8)
S. L. Shem[1], H. Umdagas[2], F. B. Nkubli[3], D. Z. Joseph[4], M. Z. Ibrahim[2]; [1]Gombe/NG, [2]Zaria/NG, [3]Maiduguri/NG, [4]Kano/NG
RPS 1305 - Imaging informatics in Europe and beyond (March 14; 08:30-10:00; Room M 1)

Automated assessment of image quality in digital breast tomosynthesis in a screening setting: more positioning errors for women with large breasts (RPS 1402a-4)
G. G. Waade>, A. S. Danielsen, S. Hofvind; Oslo/NO
RPS 1402a - Artificial intelligence, radiomics and more: part 2 (March 14; 11:15-12:30; Room C)

Predicting malignant mass in digital breast tomosynthesis using a multi-objective feature selection radiomics model (RPS 1402a-6)
Z. Fengxia, W. Xu, C. Wen, W. Chen, G. Qin; Guangzhou/CN
RPS 1402a - Artificial intelligence, radiomics and more: part 2 (March 14; 11:15-12:30; Room C)

Impact of blending weight in hybrid iterative reconstruction on coronary artery calcium score based on cardiac CT (RPS 1403a-10)
Z. Liu; Beijing/CN
RPS 1403a - Epicardial fat, coronary calcifications and cardiovascular risk stratification: what's new in cardiac imaging? (March 14; 11:15-12:30; Room Y)

Metabolic syndrome and ectopic fat deposition in subclinical type 2 diabetes mellitus as determined by 1H-Magnetic resonance spectroscopy (RPS 1403a-6)
Y. Gao[1], Z.-G. Yang[1], R. Shi[1], L. Jiang[2]; [1]Chengdu/CN, [2]Guangzhou/CN
RPS 1403a - Epicardial fat, coronary calcifications and cardiovascular risk stratification: what's new in cardiac imaging? (March 14; 11:15-12:30; Room Y)

Contrast medium administration for chest CT: a European protocol survey (RPS 1404b-7)
M. K. Henning, T. M. Aaloekken, A. C. T. Martinsen, S. Johansen; Oslo/NO
RPS 1404b - Latest techniques in imaging of pulmonary vascular disease (March 14; 11:15-12:30; Room M 5)

A comparison between routine and targeted CT-based radiomics classification models for predicting malignant pulmonary nodules (RPS 1405b-12)
G. Tao[1], Y. Chen[1], J. Ye[1], H. Yu[1], X. Ye[1], X. Li[2], Z. Zhou[2]; [1]Shanghai/CN, [2]Beijing/CN
RPS 1405b - Artificial intelligence and CT radiomics (March 14; 11:15-12:30; Room N)

Biological validation with gene expression profiling of a CT-radiomics signature for predicting response to immunotherapy (RPS 1405b-4)
M. Ligero, A. Garcia-Ruiz, C. Rubio-Perez, P. Nuciforo, J. Seoane, M. Escobar Amores, R. Dienstmann, E. Garralda, R. Perez Lopez; Barcelona/ES
RPS 1405b - Artificial intelligence and CT radiomics (March 14; 11:15-12:30; Room N)

An externally validated prognostic model based on CT radiomics to improve risk-stratification in head and neck cancer patients (RPS 1405b-1)
S. A. Keek[1], F. Wesseling[1], L. Licitra[2], K. Scheckenbach[3], T. Hoffmann[4], M. Ravanelli[5], R. Leemans[6], T. Poli[7], P. Lambin[1]; [1]Maastricht/NL, [2]Milan/IT, [3]Düsseldorf/DE, [4]Ulm/DE, [5]Brescia/IT, [6]Amsterdam/NL, [7]Parma/IT
RPS 1405b - Artificial intelligence and CT radiomics (March 14; 11:15-12:30; Room N)

CT high-resolution images-based radiomics analysis for differentiating lung cancer from tuberculosis (RPS 1405b-3)
C. Tian[1], X. Chunchao[1], X. Li[2], X. Wang[2]; [1]Chengdu/CN, [2]Shanghai/CN
RPS 1405b - Artificial intelligence and CT radiomics (March 14; 11:15-12:30; Room N)

Improving longitudinal transversal relaxation of gadolinium chelate using silica coating magnetite nanoparticles (RPS 1406-3)
K. Xu, W. Zhang; Chongqing/CN
RPS 1406 - From hyperpolarised MRI to multimodal imaging probes (March 14; 11:15-12:30; Room M 1)

Cathepsin B-activated nanoparticles for multimodal imaging-guided photodynamic therapy to breast cancer (RPS 1406-7)
Y. Wang, D. Yao, D. Wang; Shanghai/CN
RPS 1406 - From hyperpolarised MRI to multimodal imaging probes (March 14; 11:15-12:30; Room M 1)

A pilot study to compare the perception of image quality using smart glasses and a conventional monitor (RPS 1409a-2)
S. Dorey[1], S. Al-Islam[2], J. D. Thompson[1], A. England[1]; [1]ManchesterUK, [2]Blackburn/UK
RPS 1409a - Interventional practice, dose management and education (March 14; 11:15-12:30; Coffee & Talk 1)

Establishing a potential imaging biomarker in spinocerebellar ataxia type 3: the application of voxel-based morphometry and ASL (RPS 1411a-5)
M. Hu, J. Zhao, H. Qiu, J. Chu, C. Wu1; Guangzhou/CN
RPS 1411a - Arterial spin labeling brain perfusion (March 14; 11:15-12:30; Studio 2020)

The effectiveness of dual-layer spectral detector CT for reducing the amounts of contrast agents and injection flow rate (RPS 1415-10)
T. E. Kim[1], Y. H. Chung[1], T. H. Nam[2], S. A. Kwon[1]; [1]Seongnam/KR, [2]Seoul/KR
RPS 1415 - Advances in vascular imaging (March 14; 11:15-12:30; Room X)

CT evaluation of NSCLC treated with PD-1/PD-L1 inhibitors: experience of long term follow-up (RPS 1416a-9)
M. Porta[1], D. Ippolito[1], C. Talei Franzesi[1], M. S. Capici[1], C. Maino[1], L. Riva[1], S. Sironi[2]; [1]Monza/IT, [2]Bergamo/IT
RPS 1416a - Chest malignancies: advanced imaging and radiomics (March 14; 11:15-12:30; Room Descartes (D3))

Radiation exposure and protection of the female breast at abdominal computed tomography (ESI-08113)
A. Taflinski, H. Guss, M. Fuchsjäger, G. Stücklschweiger; Graz/AT
VoE 062 - EuroSafe Imaging - Procedures, policies and research (March 14; 12:00-13:00; VoE Stage 2)

The value in preoperative detection of pancreatic neuroendocrine tumours with spectral images derived from dual-layer spectral detector CT (RPS 1516-10)
Y. Yang, R. Li, J. Xu, Q. Han, X. Chen, F. Yan; Shanghai/CN
RPS 1516 - Gastrointestinal and pancreatic advanced imaging and radiomics in oncology (March 14; 14:00-15:30; Studio 2020)

Incidental findings in Moscow Lung Cancer Screening trial with ultra-low-dose computer tomography. (C-11091)
A. Nikolaev, I. Blokhin, V. Gombolevskiy, P. B. Gelezhe, V. Chernina, S. Morozov, A. Laipan; Moscow/RU
VoE 066 - Chest (March 14; 16:00-17:00; VoE Stage 2)

Exploring the three-stage drug-making program of CTA head and neck (C-06025)
D. Xiao Zheng; Beijing/CN
VoE 136 - Head and Neck (March 14; 16:00-17:00; VoE Stage 4)

Early evaluation on left ventricular remodelling in patients with type 2 diabetes mellitus using MR tissue tracking (MyT3 16-9)
Y. Li, Z. Li, C. Xia; Chengdu/CN
MyT3 16 - Cardiac (March 14; 16:00-17:30; Room Y)

Machine learning analysis in the diagnosis of medication overuse headache: a resting-state functional magnetic resonance imaging study (RPS 1611-4)
C. Yang, L. Yao, S. Lui; Chengdu/CN
RPS 1611 - Functional MRI and diffusion tensor imaging (March 14; 16:00-17:30; Coffee & Talk 2)

Diagnostic approach in hepatic lymphoma: radiological imaging findings and literature review (C-14176)
M. Porta[1], D. Ippolito[2], C. Maino[2], M. Ragusi[2], T. P. Giandola[2], A. Pecorelli[2], G. Querques[2], C. Talei Franzesi[2], S. Sironi[3]; [1]Senago/IT, [2]Monza/IT, [3]Bergamo/IT
VoE 067 - Italian (March 14; 17:00-18:00; VoE Stage 2)

Usefulness of Three-dimensional computed tomography (3DCT) Virtual Reality (VR) surgery simulation system. (C-01808)
M. Ishifuro, K. Yokomachi, C. Fujioka, M. Ishikawa, K. Nakanishi, N. Adachi, K. Awai; Hiroshima/JP
VoE 137 - Musculoskeletal - Knee and miscellaneous (March 14; 17:00-18:00; VoE Stage 4)

Sunday, March 15, 2020

Clinical value of mobile CT head examination in patients with intensive care unit (MyT3 17-18)
P. Jin, C. Xia, Z. Li; Chengdu/CN
MyT3 17 - Head and Neck (March 15; 08:30-10:00; Room Y)

Agreement between consultant radiologists and reporting radiographers in chest radiograph reporting: a consecutive clinical series (RPS 1704-1)
N. H. Woznitza[1], A. Devaraj[1], N. Hayes[1], D. Togher[1], N. Arumalla[1], E. Skyllberg[1], B. Ghimire[1], Z. Shah[1], D. R. Baldwin[2]; [1]London/UK, [2]Nottingham/UK
RPS 1704 - The dark side of chest imaging (March 15; 08:30-10:00; Coffee & Talk 3)

Diffusion tensor imaging (DTI) images + T2-weighted 3D CUBE sequences: a potential additional tool to mpMRI in differentiating non-muscle from muscle-invasive bladder cancer on a 3T scanner (RPS 1707-10)
D. Fierro, M. Pecoraro, S. Cipollari, R. Campa, V. Salvo, C. Catalano, V. Panebianco; Rome/IT
RPS 1707 - Kidney and bladder problem solving: a different approach (March 15; 08:30-10:00; Room E)

The alternative role of post-lymphangiography computed tomography for dedicated treatment planning of specific lymphatic interventions in patients with postoperative refractory lymphatic fistula (C-02679)
F. Pan[1], M. Loos[1], T. D. D. Do[1], G. M. Richter[2], H. U. Kauczor[1], T. Hackert[1], C. M. Sommer[1]; [1]Heidelberg/DE, [2]Stuttgart/DE
VoE 068 - Interventional Radiology (March 15; 09:00-10:00; VoE Stage 2)

Whole-body MRI: is it ready for prime time to detect oligometastatic prostate cancer? (ESR/EORTC-3)
F. D. de Keyzer; Leuven/BE
ESR/EORTC - Advanced imaging for stratifying treatment in oligometastatic prostate cancer (March 15; 10:30-12:00; Room M 1)

Compare the characteristics of different types of spontaneous intracranial artery dissection on high-resolution MRI vessel wall imaging (MyT3 18-17)
B. Tian, X. Tian, Z. Shi, J. Lu; Shanghai/CN
MyT3 18 - Neuro (March 15; 10:30-12:00; Room Y)

Application of low radiation dose combined spectrum and ASIR-V iterative reconstruction in CT scanning of ischaemic stroke: a feasibility study (MyT3 18-11)
Y. You; Chengdu/CN
MyT3 18 - Neuro (March 15; 10:30-12:00; Room Y)

The value of different tumour regression of MRI in evaluating the efficacy of neoadjuvant chemotherapy for breast cancer (RPS 1802-6)
X. Mei, J. Ma, X. Lin, C. Yi; Shenzhen/CN
RPS 1802 - Breast cancer treatment monitoring (March 15; 10:30-12:00; Room X)

Tissue characterisation by parametric mapping and strain cardiac magnetic resonance for the detection and monitoring of myocardial injury in fulminant myocarditis (RPS 1803-3)
H. Li, H. Zhu, L. Xia; Wuhan/CN
RPS 1803 - Myocarditis and MINOCA syndromes (March 15; 10:30-12:00; Coffee & Talk 1)

The effect of deep learning reconstruction on image quality in chest CT (RPS 1805-3)
J. Schuzer[1], J. Pack[2], C. Wen[3], C. Steveson[4], S. Rollison[5], J. Yu[2], M. Chen[5]; [1]Vernon HIlls/US, [2]Long Beach/US, [3]Orange, CA/US, [4]Adelaide/AU, [5]Bethesda/US
RPS 1805 - Deep learning based scanning, image reconstruction, and quality assurance (March 15; 10:30-12:00; Tech Gate Auditorium)

The effect of deep learning reconstruction on image quality in abdominal CT (RPS 1805-4)
J. Schuzer[1], J. Pack[2], C. Wen[3], C. Steveson[4], S. Rollison[5], J. Yu[2], M. Chen[5]; [1]Vernon HIlls/US, [2]Long Beach/US, [3]Orange, CA/US, [4]Adelaide/AU, [5]Bethesda/US
RPS 1805 - Deep learning based scanning, image reconstruction, and quality assurance (March 15; 10:30-12:00; Tech Gate Auditorium)

A comparison of time-of-flight MR angiography with sparse under-sampling with TOF-MRA in the evaluation of intracranial aneurysms: digital subtraction angiography as a reference standard (RPS 1815-1)
X. Xu, W. Peng, C. Xia, Z. Li; Chengdu/CN
RPS 1815 - MR in vascular imaging (March 15; 10:30-12:00; Room G)

Contrast-enhanced ultrasound adds value to the differentiation of hepatic neuroendocrine neoplasms from hepatocellular carcinomas (RPS 1816-7)
J. Huang, X. Xie; Guangzhou/CN
RPS 1816 - Liver tumours: advanced imaging, radiomics and treatment effects (March 15; 10:30-12:00; Room F2)