



ECR2019 the bigger picture

February 27 – March 3 | Vienna

LECTURES/PRESENTATIONS BY RADIOGRAPHERS AT ECR 2019

OUTSIDE DEDICATED RADIOGRAPHER SESSIONS

(PRESENTERS WITH THE PROFESSION RADIOGRAPHER/RADIOLOGICAL TECHNOLOGIST)

Wednesday, February 27, 2019

Application of artificial intelligence-based image optimisation algorithm in aorta CTA with low tube voltage and reduced contrast medium volume (B-0012)

M. Wang, Y. Wang, Y. Wang, M. Yu, M. Wang, Z. Jin; Beijing/CN
SS 205 - Intelligent dose and quality management (February 27; 10:30-12:00; Room B)

A predictive model for early recurrence of hepatocellular carcinoma after tumour resection based on whole lesion MR imaging radiomics features (B-0074)

Z. Zhang, H. Jiang, L. Cao, Z. Ye, J. Chen, B. Song; Chengdu/CN
SS 201a - Focal liver lesions: characterisation (February 27; 10:30-12:00; Coffee & Talk 2)

Changes in high-grade gliomas after different kinds of radiation therapy depending on IDH status during chemotherapy in combination with bevacizumab (B-0091)

A.V. Smirnova¹, O.V. Lukina¹, A. Kuzmin¹, A. Tkachev², N. Plakhotina¹, M. Cherkashin¹, M. Anishkin¹; ¹St. Petersburg/RU, ²Volgograd/RU
SS 211a - Neurooncology: glioma (February 27; 10:30-12:00; Room E2)

Application of preset adaptive statistical iterative reconstruction-V in dual-enhanced abdominal CT (B-0139)

Y. Chai; Zhengzhou/CN
SS 213 - CT image quality and optimisation (February 27; 10:30-12:00; Room G)

Texture analysis of multiparametric MRI and association with tumour grading in cervical cancer (B-0178)

J.A.U. Perucho, E.Y.P. Lee, R. Du, V. Vardhanabhuti, K.W.H. Chiu, E.M.F. Wong; Hong Kong/HK
SS 216 - Multiparametric imaging for pelvic cancers (February 27; 10:30-12:00; Room M 3)

Arterial spin labelling MRI in evaluating perioperative cerebral perfusion of carotid endarterectomy with different post labelling delays: comparison with CT perfusion imaging (B-0190)

H.M. Xu, Y. Liu, H. Yuan; Beijing/CN
SS 211b - Vascular diseases and the brain (February 27; 10:30-12:00; Room M 5)

Correlation between T2WI texture features of primary tumour and nodal metastasis in rectal cancer (B-0204)

I. Yang, B. Wu; Chengdu/CN
SS 201b - New developments in anorectal imaging (February 27; 10:30-12:00; The Church)

A dose monitoring software with integrated reference to European Pediatric DRLs: application in a Pediatric Radiology Department (ESI-0074)

M.A. Ciccone, C. Granata, F. Levrero, G.M. Magnano; Genoa/IT
VoE 003 - EuroSafe Imaging (February 27; 11:00-12:00; Voice of EPOS Stage 1)

Protocol optimisation in chest CT imaging - effect of continuous protocol revision on patient dose (ESI-0107)

E. Balázs, Z. Dankó, P. Bágyi, L. Balkay, L. Urbán; Debrecen/HU
VoE 003 - EuroSafe Imaging (February 27; 11:00-12:00; Voice of EPOS Stage 1)

Is opportunistic screening of women 35-49 years in symptomatic breast clinics with normal/benign clinical examination effective in cancer detection (C-0631)

P.L. Moyle, M. Boyce; Cambridge/UK
VoE 066 - Breast (February 27; 14:00-15:00; Voice of EPOS Stage 3)

One-stop coronary CTA combined with carotid and cerebrovascular CTA using wide-detector CT: comparison with conventional protocol (B-0218)

P. Han, W. Li, Z.-G. Yang, K. Diao, R. Shi, Z. Li; Chengdu/CN
SS 315 - Advanced vascular imaging: cerebral and peripheral arteries (February 27; 14:00-15:30; Room X)

PET/CT imaging of the novel molecular probe ¹¹C-aminoglycerol for the diagnosis of liver fibrosis (B-0236)

X. Chen, J. Xin; Shenyang/CN
SS 306 - Clinical applications of hybrid imaging (February 27; 14:00-15:30; Room N)

High concentration contrast medium injection protocol in combination with monochromatic imaging for dose reduction in spectral coronary CT angiography (B-0320)

P. Liu, Y. Wang, Z. Jin, J. Cao, L. Lin, Y. Yi; Beijing/CN
SS 313 - CT: cardiovascular, calcium, and iodine (February 27; 14:00-15:30; Room G)

Performance of native T1 and T2 mapping cardiovascular magnetic resonance to detect myocardial oedema in patients with end stage renal disease (B-0384)

W. Peng, H. Xu, Z. Li, C. Xia, Y. Guo; Chengdu/CN
SS 303 - Benefits of cardiac MR mapping for myocardial characterisation (February 27; 14:00-15:30; Tech Gate Auditorium)

Diagnosis of biliary stone disease: compressed-sensing-accelerated 3D-MRCP versus conventional MRCP (B-0390)

X. Zhao¹, M. Huang¹, J. Zhu², J. Cheng¹; ¹Zhengzhou/CN, ²Beijing/CN
SS 301 - Biliary imaging: what next? (February 27; 14:00-15:30; The Church)

Lumbar MRI with straightened vs. flexed hips and knees, disc and nerve root findings: a pilot study (C-3090)

N.D. Seime, A. Espeland; Bergen/NO
VoE 215 - Neuro (February 27; 16:00-17:00; Voice of EPOS Stage 4)

Implementing a clinical audit programme: the radiographic perspective (A-0140)

M.-L. Ryan; Dublin/IE
ESR Audit - Audit across Europe: directive and perspective (February 27; 16:00-17:30; Room X)

Reduced- and no-dose thin-section radiologic examinations: comparison of capability for nodule detection in patients having pulmonary nodules (B-0429)

Q. Peng, W. Tang, N. Wu, Y. Huang, H. Ouyang, B. Wu; Beijing/CN
MY 4 - Chest (February 27; 16:00-17:30; Sky High Stage)



ECR2019 the bigger picture

February 27 – March 3 | Vienna

Thursday, February 28, 2019

Comparison of reduced field-of-view (rFOV) and full FOV (fFOV) diffusion-weighted imaging (DWI) in the assessment of insuloma: image quality and WHO grading (B-0454)

M. He, H. Xue, Z. Jin; Beijing/CN

SS 501 - Diffuse and focal pancreatic disease (February 28; 08:30-10:00; Room N)

Development and validation of nomograms predictive of axillary nodal status to guide surgical decision-making in early-stage breast cancer (B-0466)

J. Li, W. Ma, Y. Wu, L. Li; Guangzhou/CN

MY 5 - Breast (February 28; 08:30-10:00; Sky High Stage)

The development of a novel manganese dioxide-based nanoparticles and real-time monitoring of its anticancer effect by MRI (B-0472)

X. Zhou, B. Xiao, H. Hu, J. Tang; Zhejiang/CN

MY 5 - Breast (February 28; 08:30-10:00; Sky High Stage)

High resolution sagittal T2 in the study of the female pelvis by MRI: comparative study of motion-artifact reduction techniques (C-2344)

D.E.R. Freitas, C.S.D.S.M. Araújo, R. Themudo, E.M. Abreu; Porto/PT

VoE 068 - Portugal (February 28; 09:00-10:00; Voice of EPOS Stage 3)

Diffusion-weighted magnetic resonance imaging in axial spondyloarthritis patients and healthy subjects: inter-MRI reliability and relation to gender, age and inflammation (B-0520)

J.M. Møller¹, M. Østergaard¹, H.S. Thomsen¹, I.J. Sørensen², O.R. Madsen³, S.J. Pedersen²; ¹Herlev/DK, ²Glostrup/DK, ³Gentofte/DK

SS 610 - Chronic inflammatory diseases (February 28; 10:30-12:00; Room O)

The role of intravoxel incoherent motion and diffusion kurtosis imaging in evaluating pathological complete response to neoadjuvant chemoradiotherapy in rectal cancer (B-0612)

I. Yang, B. Wu; Chengdu/CN

SS 616b - Abdominal tumour imaging: raising the bar (February 28; 10:30-12:00; Room M 3)

Differentiation of atypical non-functional pNET and PDAC using a CT radiomics-based nomogram (B-0613)

M. He, H. Xue, Z. Jin; Beijing/CN

SS 616b - Abdominal tumour imaging: raising the bar (February 28; 10:30-12:00; Room M 3)

Diagnostic performance of computer-aided quantification of intranodal vascularity in differentiating common neck lymph node diseases (B-0638)

M.T.C. Ying, S.C.H. Cheng, A.T. Ahuja; Hong Kong/CN

SS 608 - Lymph nodes and parathyroids (February 28; 10:30-12:00; The Church)

A standardised videofluoroscopic swallowing study - How I do it (C-1848)

J. Meijers, W. Piltz, J. E. Wildberger, L. Baijens, C. Hoebregts; Maastricht/NL

VoE 010 - Head and Neck (February 28; 11:00-12:00; Voice of EPOS Stage 1)

Evaluation of computed tomography protocols in acute stroke and radiation dose in Greek hospitals (C-1935)

R. Duni¹, E. Duni², D. Koumarios³; ¹Lixouri/GR, ²Aigaleo/GR, ³Athens/GR

VoE 100 - Radioprotection/Radiation Dose (February 28; 11:00-12:00; Voice of EPOS Stage 4)

How to question the protection distance in the scattered radiation of portable x-ray (C-3779)

M. A. de la Camara Egea; Talarrubias/ES

VoE 100 - Radioprotection/Radiation Dose (February 28; 11:00-12:00; Voice of EPOS Stage 4)

Computerised texture analysis predicts histological invasiveness within lung adenocarcinoma manifesting as pure ground-glass nodules (B-0774)

Y. Yang, H. Liu; Shanghai/CN

SS 704 - Lung cancer: diagnosis, staging and outcome (February 28; 14:00-15:30; Room K)

The effect of different monochromatic image choices on the accuracy of CT perfusion values for lung tumour in one-stop spectral and perfusion CT scan (B-0779)

H. Wang, S. Yue, P. Lu, W. Li; Zhengzhou/CN

SS 704 - Lung cancer: diagnosis, staging and outcome (February 28; 14:00-15:30; Room K)

Coronary computed tomography angiography-derived fractional flow reserve in anomalous origin of the right coronary artery from the left coronary sinus (B-0784)

C. Tang¹, M. Lu¹, U.J. Schoepf², C. Tesche², M. Bauer², J.W. Nance², L. Griffith², C. Zhou¹, L. Zhang¹; ¹Nanjing/CN, ²Charleston, SC/US

SS 703 - CT-FFR (fractional flow reserve) for assessment of coronary artery disease (February 28; 14:00-15:30; Room M 1)

A whole-tumour histogram analysis of apparent diffusion coefficient maps obtained using 3.0T MRI for distinguishing uterine endometrial carcinoma from endometrial polyps (B-0814)

W. Wang, J. Cheng; Zhengzhou/CN

MY 7 - Artificial Intelligence and Machine Learning (February 28; 14:00-15:30; Sky High Stage)

Experience with a national survey based on clinical indications (A-0412)

S.J. Foley; Dublin/IE

EU 2 - Diagnostic reference levels (DRLs) based on clinical indication (February 28; 16:00-17:30; Room N)

Friday, March 1, 2019

T2* value analysis of achilles tendons disease with ultra-short echotime (UTE) MRI (B-0853)

J.-G. Zhang, Z. Li, C. Xia; Chengdu/CN

MY 9 - Musculoskeletal (March 1; 08:30-10:00; Sky High Stage)

Histogram analysis of CE-MRI for differential diagnosis of pleomorphic adenomas and malignant tumour of parotid gland (B-0968)

K. Xu, Y. Zhang; Zhengzhou/CN

SS 1008 - Head and neck cancer (March 1; 10:30-12:00; Coffee & Talk 3)

The value of high-resolution diffusion-weighted imaging in differentiating lingual squamous cell carcinoma and lingual lymphoma (B-0969)

B. Wen¹, J. Cheng¹, J. Zhu²; ¹Zhengzhou/CN, ²Beijing/CN

SS 1008 - Head and neck cancer (March 1; 10:30-12:00; Coffee & Talk 3)



ECR2019 the bigger picture

February 27 – March 3 | Vienna

Effective atomic number image produced with energy-resolved photon counting detector toward the development of next-generation plain X-ray diagnosis (B-0994)

N. Kimoto¹, H. Hayashi¹, T. Asakawa¹, T. Asahara², A. Katsumata³, Y. Kanazawa², S. Yamamoto⁴, M. Okada⁴;
¹Kanazawa/Jp, ²Tokushima/Jp, ³Gifu/Jp, ⁴Yokohama/Jp
SS 1013 - Innovations in imaging: machine learning, quality and new techniques (March 1; 10:30-12:00; Room G)

Quality controls in ultrasound: a trial to evaluate the obsolescence of ultrasound probes with a low-cost agar gel phantom (B-0999)

A. Colloco¹, M. Ortino², S. Durante¹; ¹Bologna/IT, ²Taranto/IT
SS 1013 - Innovations in imaging: machine learning, quality and new techniques (March 1; 10:30-12:00; Room G)

A feasible method to set coherent image quality between different CT scanners with a general phantom for low dose lung cancer CT screening (B-1006)

W. Qi, R. Shanshan, Z. Miao, S. Ye, C. Lei, H. Nan; Beijing/CN
SS 1004 - Advanced methods for nodule evaluation (March 1; 10:30-12:00; Room K)

Altered cortical morphology of visual cortex in children with intermittent exotropia (B-1036)

L. Lu, S. Tang, X. Wang, Q. Gong, X. Huang; Chengdu/CN
SS 1011b - Functional MRI (March 1; 10:30-12:00; Room M 5)

Peritumoural radiomics features from gadoteric acid-enhanced MR imaging predicting early recurrence of hepatocellular carcinoma (B-1044)

Z. Zhang, J. Chen, H. Jiang, L. Cao, Z. Ye, B. Song, T. Duan; Chengdu/CN
SS 1001b - Hepatobiliary contrast agents: focal and diffuse liver disease (March 1; 10:30-12:00; Tech Gate Auditorium)

Saturday, March 2, 2019

Explorative investigation of whole-lesion histogram MRI metrics for differentiating uterine degenerative leiomyomas and leiomyosarcomas (B-1085)

K. Ma; Zhengzhou/CN
MY 13 - Genitourinary (March 2; 08:30-10:00; Sky High Stage)

Best practices: tools to optimise communication with patients (A-0827)

L. Robinson; Gatley/GB
PA - Communicating the role of the radiologist: best practices to manage patient expectations (March 2; 10:30-12:00; Room X)

Assessment of pancreatic ductal adenocarcinoma lesion using virtual monoenergetic images from dual-layer spectral detector CT (B-1098)

Y. Yang, Q. Han, X. Chen, F. Yan; Shanghai/CN
SS 1401a - Assessing pancreatic malignancy (March 2; 10:30-12:00; Room B)

Evaluation of vascular and local lymph node invasion, resectability of pancreatic ductal adenocarcinoma with spectral detector CT (B-1100)

Y. Yang, Q. Han, X. Chen, H. Dong; Shanghai/CN
SS 1401a - Assessing pancreatic malignancy (March 2; 10:30-12:00; Room B)

Dual-targeting and excretable ultrasmall SPIONs for T1-weighted-positive MR imaging of intracranial glioblastoma by targeting lipoprotein receptor-related protein (B-1120)

C. Du, X. Liu, H. Li, L. Yu, D. Geng, Y. Chen, J. Zhang; Shanghai/CN
SS 1406 - Advanced methods in experimental radiology (March 2; 10:30-12:00; Room N)

Cell death PET imaging of rat liver cirrhosis with ⁶⁸Ga-NOTA-PEG₃-Duramycin (B-1124)

S. Shu, X. Xianhong, T. Ganghua; Guangzhou/CN
SS 1406 - Advanced methods in experimental radiology (March 2; 10:30-12:00; Room N)

Integrated analysis reveals disturbed metabolic pathway and identifies potential biomarker panel for the prediction of cartilage degeneration (B-1131)

Y. Hu, H. Tao, S. Chen; Shanghai/CN
SS 1410 - Knee imaging (March 2; 10:30-12:00; Room O)

The value of whole tumour volume-based ADC histogram analysis of differential diagnosis in paediatric posterior fossa tumours (B-1161)

S. Yuan Yuan; Zhengzhou/CN
SS 1411a - Brain tumours (March 2; 10:30-12:00; Room E2)

Performance of the competence centre for MRI and CT imaging in a network of diagnostic centres (B-1182)

A. Fedorov, N. Berezina, M. Cherkashin, A. Lavrenteva; St. Petersburg/RU
SS 1405 - Imaging informatics: management and performance analysis (March 2; 10:30-12:00; Room D)

A retrospective review of justification of computed tomography examinations in Northern Ireland (B-1193)

Y. Sullivan, L. Fraser, G. Woodhouse; Oxford/GB
SS 1413 - Radiation protection technology and management (March 2; 10:30-12:00; Room G)

Should testing for lead contamination be included in lead radiation protection apparel quality control? (B-1200)

M. Barati¹, R. Illing², L. Kardos², C. Paraskevopoulou¹, K. Katsari¹;
¹Amsterdam/NL, ²Budapest/HU
SS 1413 - Radiation protection technology and management (March 2; 10:30-12:00; Room G)

Left ventricular subclinical myocardial dysfunction in uncomplicated type 2 diabetes mellitus is associated with impaired myocardial perfusion (B-1222)

X. Liu, Z.-G. Yang, Y.-K. Guo, Y. Ren, Y. Gao; Chengdu/CN
SS 1403 - Quantification of myocardial perfusion and ECV (extracellular volume fraction) (March 2; 10:30-12:00; Room M 1)

A whole-tumour histogram analysis of apparent diffusion coefficient maps for distinguishing lateral ventricle central neurocytoma from ependymoma (B-1239)

W. Wang, J. Cheng; Zhengzhou/CN
SS 1416 - Neurooncology: making the most of quantitative imaging (March 2; 10:30-12:00; Room M 3)

Application of histogram analysis of diffusion Kurtosis imaging to tumour grading and tissue heterogeneity (B-1244)

A. Gao¹, J. Cheng¹, J. Bai¹, Y. Zhang¹, Y. Hong², D. Kong²;
¹Zhengzhou/CN, ²Hangzhou/CN
SS 1416 - Neurooncology: making the most of quantitative imaging (March 2; 10:30-12:00; Room M 3)



ECR2019 the bigger picture

February 27 – March 3 | Vienna

The value of ADC histogram in differentiating nasopharyngeal carcinoma from nasopharyngeal lymphoma (B-1249)

K. Ma; Zhengzhou/CN
MY 14 - Head and Neck (March 2; 10:30-12:00; Sky High Stage)

Visualisation of the trigeminal nerve branches on enhanced 3D-SPACE-STIR sequence: initial experience (B-1254)

C. Chen, H. Haiwei, S. Yunkun, H. Xu; Xiamen/CN
MY 14 - Head and Neck (March 2; 10:30-12:00; Sky High Stage)

DWI-associated entire-tumour histogram analysis for the differentiation of nasopharyngeal carcinoma from nasopharyngeal lymphoma (B-1256)

K. Ma, J. Cheng, X. Zhang, C. Song; Zhengzhou/CN
MY 14 - Head and Neck (March 2; 10:30-12:00; Sky High Stage)

Value of ADC and DCE-MRI in differentially diagnosing of angiomatous meningioma and solitary fibrous tumours/haemangiopericytoma (B-1264)

C. Chen, C.-P. Ren, R.-C. Zhao, J.-L. Cheng; Zhengzhou/CN
MY 14 - Head and Neck (March 2; 10:30-12:00; Sky High Stage)

Revealing the microstructure abnormalities of spinocerebellar ataxia by fMRI and DKI: from ROI based analysis to a VBA and TBSS study (B-1273)

H.S. Qiu, J.P. Chu, J. Zhao, M.S. Hu, C. Wu; Guangzhou/CN
SS 1411b - Diffusion tensor imaging (DTI) (March 2; 10:30-12:00; Tech Gate Auditorium)

Diagnostic accuracy of CT for lymph node metastasis in gastric cancer: comparison of spectral parameters developed dual-energy CT and conventional CT (B-1276)

Y. Chai; Zhengzhou/CN
SS 1401b - Gastric cancer and beyond (March 2; 10:30-12:00; The Church)

Dexmedetomidine for paediatric MRI sedation: a single centre change in service delivery (C-1604)

C.M. Simcock, A. Cerullo; London/UK
VoE 054 - Paediatric (March 2; 11:00-12:00; Voice of EPOS Stage 2)

Real time dose management using colour coded patient avatar in fluoroscopic procedures (ESI-0023)

G.R. Ison; Sydney/AU
VoE 024 - EuroSafe Imaging (March 2; 11:00-12:00; Voice of EPOS Stage 1)

Construction of a RadLex-based knowledge representation model for brain disorders using text mining (C-1746)

A. Yagahara¹, K. K. Tha¹, G. Jiang²; ¹Sapporo/JP, ²Rochester/US
VoE 086 - Japanese (March 2; 13:00-14:00; Voice of EPOS Stage 3)

Quantitative MR-phase information enables classification of Alzheimer's disease stages (B-1329)

H. Indo¹, T. Yoneda¹, N. Kurehana¹, Y. Tatewaki², T. Mutoh², A. Ishiki², N. Tomita², H. Arai², Y. Taki²; ¹Kumamoto/JP, ²Sendai/JP
SS 1511 - Neurocognitive impairment and psychiatric disorders (March 2; 14:00-15:30; Room M 3)

Altered cortical thickness related to single nucleotide polymorphisms (SNPs) in the major histocompatibility complex (MHC) in antipsychotic-naive schizophrenia (B-1330)

B. Tao, Y. Xiao, W. Zhang, L. Yao, S. Lui; Chengdu/CN
SS 1511 - Neurocognitive impairment and psychiatric disorders (March 2; 14:00-15:30; Room M 3)

Drug effects on brain structure in acute and chronic schizophrenia (B-1331)

J. Zeng, W. Zhang, Y. Xiao, J. Liu, B. Tang, G. Fu, S. Lui; Chengdu/CN
SS 1511 - Neurocognitive impairment and psychiatric disorders (March 2; 14:00-15:30; Room M 3)

Quantitative assessment of liver function before hepatectomy using two-dimensional shear wave elastography correlated with indocyanine green clearance test (B-1370)

R. Fu, T. Qiu, Q. Lu, Y. Luo; Chengdu/CN
SS 1501b - Multimodality imaging for assessment of liver function and portal hypertension (March 2; 14:00-15:30; Tech Gate Auditorium)

Less regulated, more segregated ventral visual network in patients with major depressive disorder (B-1430)

H. Chen, J. Yan, K. Liu, Y. Deng, X. Huang, R. Su, Z. Xiaojun; Guangzhou/CN
MY 16 - Neuro (March 2; 16:00-17:30; Sky High Stage)

Sunday, March 3, 2019

Radiomics of gadoteric acid-enhanced MRI: a predictive biomarker for CK19-positive hepatocellular carcinoma (B-1467)

W. Wang¹, Y. Ding¹, L. Yang¹, M. Zeng¹, S.-X. Rao¹, J. Tian²; ¹Shanghai/CN, ²Xi'an/CN
MY 17 - Abdominal Viscera and Gastrointestinal Tract (March 3; 08:30-10:00; Sky High Stage)

The value of MRI-PDFF in detecting and grading hepatic steatosis in patients with nonalcoholic fatty liver disease: a meta-analysis (B-1471)

Z. Ye, X. Xiong, J. Chen, L. Cao, T. Duan, Z. Zhang, B. Song; Chengdu/CN
MY 17 - Abdominal Viscera and Gastrointestinal Tract (March 3; 08:30-10:00; Sky High Stage)

Combination of diffusion kurtosis imaging and conventional MRI helps to differentiate fibrotic from inflammatory bowel strictures in patients with Crohn's disease (B-1476)

J. Du, X. Li, L. Huang, S. Huang, Z. Li; Guangzhou/CN
MY 17 - Abdominal Viscera and Gastrointestinal Tract (March 3; 08:30-10:00; Sky High Stage)

Multiparametric combined FDG-PET/CT and MR imaging to predict response to chemoradiotherapy in rectal cancer: whole tumour versus sub-volume analysis (B-1484)

N.W. Schurink¹, M. Berbee², J.J.M. van Griethuysen¹, W. van Elmpt², M. Maas¹, M.J. Lahaye¹, F.C.H. Bakers², R.G.H. Beets-Tan¹, D.M. Lambregts¹; ¹Amsterdam/NL, ²Maastricht/NL
MY 17 - Abdominal Viscera and Gastrointestinal Tract (March 3; 08:30-10:00; Sky High Stage)

Usefulness of four-dimensional CT imaging in a catheter ablation for ventricular arrhythmia (C-0786)

R. Ogawa¹, M. Maeda¹, A. Inakami¹, T. Tomikawa¹, T. Washio¹, A. Matsumoto²; ¹Hyogo/JP, ²Kobe/JP
VoE 028 - Cardiac (March 3; 09:00-10:00; Voice of EPOS Stage 1)



ECR2019 the bigger picture

February 27 – March 3 | Vienna

Application value of dual-source CT combined with intelligent modulation and iterative reconstruction in aortic dissection imaging (B-1498)

P. Jin; Chengdu/CN

SS 1815 - Imaging of the thoracic aorta (March 3; 10:30-12:00; Room X)

Magnetic resonance spectroscopy in muscle tissue and bone marrow to identify that a body was previously frozen and is meanwhile thawed (B-1516)

D. Gascho, J. Heimer, M. Thali, N. Zoelch; Zurich/CH

SS 1810 - Knee and muscle imaging (March 3; 10:30-12:00; Room O)

Volumetric iodine density using dual-layer spectral CT for liver fibrosis staging and histopathological correlation (B-1531)

L. Wang, R. Li, F. Yan, J. Qiang, Q. Han, X. Chen; Shanghai/CN

SS 1801a - Diffuse liver disease: fibrosis, steatosis and inflammation (March 3; 10:30-12:00; Coffee & Talk 2)

Development of a MRI radiomics model for pre-therapeutic evaluation of lymph node metastasis in rectal cancer (B-1585)

S. Hu, C. Xia, W. Peng, Z. Li; Chengdu/CN

SS 1805b - Machine learning: radiomics analysis (March 3; 10:30-12:00; Room D)

Development of a multiparametric radiomics combined T2WI and DWI to staging rectal cancer (B-1588)

D. Wen, C. Xia; Chengdu/CN

SS 1805b - Machine learning: radiomics analysis (March 3; 10:30-12:00; Room D)

MR imaging of rectal cancer: radiomics analysis to predict hepatic metastases (B-1590)

S. Hu, W. Peng, C. Xia, Z. Li; Chengdu/CN

SS 1805b - Machine learning: radiomics analysis (March 3; 10:30-12:00; Room D)

Coronary calcium scoring in CT with a calcium-aware image reconstruction technique: dose reduction by lowering x-ray tube voltage (B-1598)

R. Booi, R.P. Budde, D. Bos, M. Kremer, M. Dijkshoorn,

M. van Straten; Rotterdam/NL

SS 1813 - Radiation dose optimisation in CT (March 3; 10:30-12:00; Room G)

Noninvasive assessment of myocardial oxygenation after acute myocardial infarction with breath-hold-induced blood oxygen level-dependent imaging (B-1618)

K. Shi, Z.-G. Yang, Y.-K. Guo, S. Huang, X. Li; Chengdu/CN

SS 1803 - Advanced cardiac MR for evaluation of left ventricular structure and function (March 3; 10:30-12:00; Room M 1)

Conventional ultrasound and ultrasound elastography in non-Hodgkin lymphoma: ultrasound prognostic index compared with the international prognostic index (B-1642)

J. Jiang, M. Chen; Shanghai/CN

SS 1816 - Improving the prediction of head and neck malignancies (March 3; 10:30-12:00; Room M 3)

Ability of diffusion-weighted magnetic resonance imaging to characterise bowel fibrosis depends on the degree of bowel inflammation (B-1651)

X. Li, S. Huang, B. Lu, L. Huang, Z. Li, J. Du, Y.-K. Zhong;

Guangzhou/CN

SS 1801b - Inflammatory bowel disease: what now? (March 3; 10:30-12:00; Room M 4)

MRI diffusion-weighted and shear wave elastography in testis (B-1661)

M.R.V. Pedersen¹, P.J. Ooster¹, H. Nissen¹, P. Vedsted², H.

Møller², S.R. Rafaelsen¹; ¹Vejle/DK, ²Aarhus/DK

SS 1807 - Testicular, renal and bladder tumours (March 3; 10:30-12:00; Room M 5)

Left ventricular global strain analysis in arrhythmogenic right ventricular cardiomyopathy with or without syncope: a cardiac magnetic resonance imaging study (B-1674)

M.-T. Shen, Z. Yang, K. Diao, L. Jiang, S. Huang, B. Hu, Y. Guo; Chengdu/CN

MY 18 - Cardiovascular (March 3; 10:30-12:00; Sky High Stage)

The correlation between coronary artery stenosis and myocardial perfusion indexes: a prospective "one-stop" 256-row detector computed tomography study (B-1677)

K. Liu, Z. Li, K. Diao, W. Peng; Chengdu, Sichuan/CN

MY 18 - Cardiovascular (March 3; 10:30-12:00; Sky High Stage)

Left ventricular function impairment and deformation assessment of post-transcatheter aortic valve implantation (TAVI): a systematic review and meta-analysis (B-1680)

M.-T. Shen, Z. Yang, K. Diao, Q. Zhao, L. Jiang, S. Huang, Y.

Guo; Chengdu/CN

MY 18 - Cardiovascular (March 3; 10:30-12:00; Sky High Stage)

Preliminary study on changes of oxygen uptake fraction in pilots before and after hypoxia exposure (B-1691)

J. Liu¹, W.-S. Zhang², J.L. Cheng¹; ¹Zhengzhou/CN, ²Beijing/CN

SS 1811b - Neuroradiology: miscellaneous (March 3; 10:30-12:00; Tech Gate Auditorium)

A resting-state functional magnetic resonance imaging study of hypoxic exposure in pilots (B-1692)

J. Liu¹, W.-S. Zhang², J.L. Cheng¹; ¹Zhengzhou/CN, ²Beijing/CN

SS 1811b - Neuroradiology: miscellaneous (March 3; 10:30-12:00; Tech Gate Auditorium)

Preliminary study of hypoxic exposure effect on cerebral blood perfusion of pilots using 3D ASL (B-1693)

J. Liu¹, W.-S. Zhang², J.L. Cheng¹; ¹Zhengzhou/CN, ²Beijing/CN

SS 1811b - Neuroradiology: miscellaneous (March 3; 10:30-12:00; Tech Gate Auditorium)

Comparison of automated software diameter/square detection with radiologist visual assessment for 70% stenosis on coronary CT angiography (B-1727)

S. Hu, W. Peng, Z. Li; Chengdu/CN

SS 1915 - Vascular imaging after stent-graft and stent insertion (March 3; 14:00-15:30; Room X)

Advantages of T2* relaxation time with ultra-short TE on intervertebral disc degeneration (B-1735)

H. Takashima¹, M. Yoshimoto¹, R. Imamura¹, Y. Akatsuka¹, M.

Nakanishi¹, M. Yoneyama², M. Hatakenaka¹, T. Yamashita¹;

¹Sapporo/JP, ²Tokyo/JP

SS 1910a - Spine imaging (March 3; 14:00-15:30; Room N)

Two postprocessing method of diffusion kurtosis imaging in glioma grading (B-1779)

A. Gao¹, J. Bai¹, Y. Zhang¹, J. Cheng¹, Y. Hong²; ¹Zhengzhou/CN,

²Hangzhou/CN

SS 1911a - Contrast media and advances in neuro MRI (March 3; 14:00-15:30; Room E2)



ECR2019 the bigger picture

February 27 – March 3 | Vienna

MRI characteristics and clinical outcomes of hypertrophic cardiomyopathy with infarct-like late enhancement

(B-1818)

L. Li, S. Zhao; Beijing/CN

SS 1903a - Cardiac MR in cardiomyopathies: tips and tricks (March 3; 14:00-15:30; Coffee & Talk 3)

Functional assessment and prognostic value of cardiac magnetic resonance in arrhythmogenic right ventricular cardiomyopathy

(B-1825)

M.-T. Shen, Z. Yang, K. Diao, L. Jiang, B. Hu, S. Huang, Y. Guo; Chengdu/CN

SS 1903a - Cardiac MR in cardiomyopathies: tips and tricks (March 3; 14:00-15:30; Coffee & Talk 3)

The effect of different monochromatic image choices on the reconstruction of CT perfusion data in one-stop spectral and perfusion CT scan

(B-1857)

H. Wang, P. Lu, S. Yue, W. Li; Zhengzhou/CN

SS 1904 - Traditional and advanced pulmonary vascular imaging (March 3; 14:00-15:30; Room K)

Cardiac magnetic resonance imaging study of right ventricular myocardial deformation in spontaneous T2DM rhesus monkey

(B-1861)

T. Zhu¹, C. Yushu¹, Z. Yu¹, Z. Wen¹, J. Zheng², G. Fabao¹;

¹Chengdu/CN, ²St. Louis, MO/US

SS 1903b - Discovering the right ventricle in cardiac MR (March 3; 14:00-15:30; Room M 1)

Regional right ventricular deformation in hypertrophic cardiomyopathy: assessed with cardiovascular magnetic resonance tissue tracking

(B-1869)

X. Li, Y. Zhigang, Y. Guo, Y. He, S. He, K. Shi, C. Xia, Z. Li; Chengdu/CN

SS 1903b - Discovering the right ventricle in cardiac MR (March 3; 14:00-15:30; Room M 1)

Correlation between dual-energy CT and perfusion CT parameters in patients with gastric carcinoma

(B-1876)

Y. Chai; Zhengzhou/CN

SS 1901b - Gastro-oesophageal imaging: now and next (March 3; 14:00-15:30; Room M 4)

Clinical value of radiomics nomogram in preoperative prediction of lymph node metastasis of gastric adenocarcinoma

(B-1877)

R. Wang, J. Li, J. Gao; Zhengzhou/CN

SS 1901b - Gastro-oesophageal imaging: now and next (March 3; 14:00-15:30; Room M 4)