

Best Scientific Paper Presentations

Abdominal Viscera

Obliterative portal venopathy (OPV) vs. liver cirrhosis: appraisal of vascular changes on CT (B-0219)

A. Arora, S. Rajesh, S.K. Sarin; *New Delhi/IN*

GI Tract

Computer tomography colonography participation and yield in patients under surveillance for 6-9 mm polyps in a population-based screening trial (B-0736)

C.J. Tutein Nolthenius¹, T.N. Boellaard¹, Y. Nio¹, M.G. Thomeer², M. de Haan³, S. Bipat¹, A. Montauban van Swijndregt¹, J. Stoker¹; ¹*Amsterdam/NL*, ²*Rotterdam/NL*, ³*Amersfoort/NL*

Breast

Low mammographic breast density and other mammographic characteristics are linked to Hyaluronan and HAS1-3 staining and survival in patients with early breast cancer (B-0210)

A.N.J. Masarwah, M. Sudah, A. Sutela, S. Oikari, M. Tammi, R. Vanninen, P. Auvinen; *Kuopio/FI*

Cardiac

Heritability of coronary calcification and plaque burden: a classical twin study (B-1062)

P. Maurovich-Horvat¹, Z.D. Drobni¹, T. Horvath¹, A.L. Jermendy¹, M. Karoly¹, M. Kolosvary¹, A.D. Tarnoki¹, S. Voros², B. Merkely¹; ¹*Budapest/HU*, ²*Richmond, VA/US*

Chest

Ultralow-dose CT with tin-filtration for detection of solid and sub-solid pulmonary nodules: a phantom study (B-0531)

K. Martini, K. Higashigaito, B.K. Barth, S. Baumüller, T. Frauenfelder; *Zurich/CH*

Computer Applications

Large-scale objective comparison of 29 novel algorithms for computer-aided diagnosis of dementia based on structural MRI (B-0244)

E.E. Bron¹, M. Smits¹, F. Barkhof², A.J. Bastos-Leite³, J.C. van Swieten¹, W.J. Niessen¹, S. Klein¹; ¹*Rotterdam/NL*, ²*Amsterdam/NL*, ³*Porto/PT*

Molecular Imaging

Diagnosing relapse in brain tumours utilising integrated [11C]-methionin PET/MRI (B-0026)

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Genitourinary

Value of DWI sequences in cervical cancer recurrence: can we skip contrast? (B-0137)

R.N. Lucas, J. Lopes Dias, T.M. Cunha; *Lisbon/PT*

Head and Neck

Can ARFI elastography be used to differentiate parathyroid from thyroid lesions? (B-0882)

A. Chandramohan, D. Abraham, M.T. Manipadam, T.V. Paul; *Vellore/IN*

Interventional Radiology

Laser and radiofrequency ablation in the treatment of benign thyroid nodules (B-0723)

G. Mauri, L. Cova, T. Ierace, A. Baroli, L. Solbiati; *Busto Arsizio/IT*

Musculoskeletal

Prevalence of a lumbosacral transitional vertebra and concomitant edema in the sacral bone in the SPACE (SPondyloArthritis Caught Early) cohort (B-0941)

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Neuro

Improved Alzheimer's disease diagnostic performance using structural MRI: validation of the MRI combination biomarker that won the CADDementia challenge (B-0077)

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Paediatric

Disrupted developmental organisation of brain connectivity in fetuses with corpus callosum agenesis: an in utero study (B-0522)

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Physics in Radiology

Dual spectrum single pass digital breast tomosynthesis imaging (B-1098)

I. Sechopoulos, S.S.J. Feng, L. Merchan, J.G. Nagy; *Atlanta, GA/US*

Radiographers

An eye-tracking study investigating radiographers' visual search patterns whilst reviewing x-ray examination request forms (B-1142)

E. Hendy, J. Grehan, T. Herlihy, L.A. Rainford; *Dublin/IE*

Vascular

Assessment of wall shear stress in patients without aortic disease, with aortic aneurysms and with penetrating aortic ulcers using velocity encoding 4D MRI (B-0278)

M. Rasper, J. Rudolph, B.M. Gramer, C. Maegerlein, C. Reeps, B. Lutz, H.-H. Eckstein, E.J. Rummeny, A. Huber; *Munich/DE*

Oncologic Imaging

Pretreatment DCE-MRI estimates of extravascular extracellular volume (ve) predict for survival following therapy for muscle invasive bladder transitional cell carcinoma (TCC) (B-0662)

T.D. Westwood, L.E. Kershaw, S.B. Donaldson, B.M. Carrington, R. Cowan, J. Lyons, T. Elliot, A. Choudhury, S. Bonington; *Manchester/UK*

Emergency Radiology

Utilising contrast-enhanced CT for detecting post-traumatic placental abruption: assessing accuracy and comparison with ultrasound (B-0192)

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