



Plenary:

The Technologies That Changed Clinical Cardiovascular MR: A Retrospective

Manning W.

Inhomogeneous Magnetization Transfer (ihMT) imaging of the human brain at 7T

Girard O, Soustelle L, Troalen T, Hertanu A, Forodighasemabadi A, Guye M, Ranjeva JP, Varma G, Alsop D, Duhamel G

Dynamics of insulin secretion and pancreatic blood-flow: a simultaneous ASL perfusion imaging/hyperglycemic clamp study

Taso M, Simonson D, Phung L, McGrath C, Waldman S, Papadopoulou F, Alsop D

Open Science Initiative for Perfusion Imaging (OSIPI): Arterial Spin Labeling Imaging and Analysis Lexicon and Reporting Recommendations

Suzuki Y, Clement P, Dai W, Dolui S, Fernández-Seara M, Lindner T, Mutsaerts H, Petr J, Shao X, Taso M, Thomas D

The Open Science Initiative for Perfusion Imaging (OSIPI): ASL Code Library

Mora Álvarez M, Zhao L, Dolui S, Taso M, Wang Y, Zhou L, Wang Z, Adebimpe A, Mutsaerts H,

Madhuranthakam A

Impact of breathing induced off-resonance on labeling efficiency in renal Arterial Spin Labeling

Taso M, Alsop D

Quantitative T1D assessment in lipid membranes: Jeener-Broekaert NMR vs. ihMT MRI

Hertanu A, Soustelle L, de Rochefort L, Grélard A, Loquet A, Dufourc EJ, Varma G, Alsop D, Duhamel G, Girard OM

Inhomogeneous MT (ihMT) MRI in a glioblastoma mouse model

Varma G, Yeo A, Callahan C, Alsop D, Grant A, Charest A

Quantitative Magnetization Transfer parametric mapping unbiased by on resonance saturation and dipolar order contributions

Soustelle L, Troalen T, Hertanu A, Guye M, Ranjeva JP, Varma G, Alsop D, Girard O, Duhamel G

The Contribution of Increased Choroid Plexus Volume in the Alzheimer's Disease

Li J, Hu Y, Feng X, Dai W, Meyer C, Alsop D, Zhao L

Free-breathing abdominal CEST sequence using water presaturation and precise respiratory synchronization

Chen Z, Wang Y, Chen W, Guo R, Wang H, Song X

White matter inflammation and its relation to myelin content in vivo in patients at different stages of multiple sclerosis.

Barletta V, Herranz E, Treaba C, Mehndiratta A, Ouellette R, Granberg T, Klawiter E, C. Ionete, C, Sloane J, Mainero C

Initial in vivo evidence of fibrin deposition in multiple sclerosis patients using fibrin targeted ⁶⁴Cu-FBP8 positron emission tomography

Treaba C, Catana C, Klawiter E, Huang S, Arabasz G, Barletta V, Herranz E, Sloane J, Caravan P, Mainero C

Deep Learning for under-sampled noncartesian ASL MRI reconstruction

Guo Y, Chen S, Zhao L, Taso M, Alsop D, Dai W

Characterizing the relative performance of a 13C/31P surface coil for simultaneously studying metabolism and energetics

Vaidya M, Zhang B, Hong D, Brown R, Batsios G, Viswanath P, Paska J, Wulf G, Grant A, Ronen S, Larson P

3D free-breathing simultaneous whole heart T1 and T2 mapping based on SATuration Recovery and Variable flip Angle (SAVA)

Si D, Guo R, Liu B, Herzka D, Ding H

Improving Accuracy of Myocardial T1 Estimation in MyoMapNet

Guo R, Chen Z, Amyar A, El-Reiwady H, Pierce P, Goddu B, Nezafat R

Radial perfusion cardiac magnetic resonance imaging using deep learning image reconstruction.

Assana S, Morales M, Nakata K, Sai E, Amyar A, Haji-Valizadeh H, Nezafat R

Accelerated Cardiac MR Imaging with Inline Cascaded Parallel Imaging and Generative Adversarial Neural Network (PI-GAN) Framework

Yoon S, Cai X, Sai E, Assana S, Amyar A, Chow K, Paskavitz A, Cirillo J, Manning W, Nezafat R

Evidence of meningeal inflammation in multiple sclerosis: a combined in vivo 11C-PBR28 MR-PET and post-mortem study

Herranz E, Barletta V, Treaba C, Mehendiratta A, Ouellette R, Klawiter E, Sloane J, Ionette C, Babu S, Loggia M, Makary M, Hooker J, Catana C, Kinkel R, Magliozzi R, Mainero C

Educational:

MT: Principles & Methods

Alsop D

Educational

Role of MR Imaging of Perianal Involvement in Pediatric & Adult Crohn Disease

Shenoy-Bhangle A

Educational

Machine Learning for Enhanced Myocardial Tissue Characterization

Nezafat R