• **13C-MRI Detects Increased Lactate Flux in HCC Following Hepatic Thermal Ablation and Correlates with PFKFB3 Expression**

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• **20-min Pediatric Cardiovascular Magnetic Resonance without Contrast or Anesthesia: Initial Evaluation in Kids with Congenital Heart Disease**

Lexiaozi Fan, Hassan Haji-Valizadeh, Cynthia K Rigsby, Joshua D. Robinson, Paige Constance Nelson, and Daniel Kim

• **A 13C/31P surface coil to visualize metabolism and energetics in the brain**

Manushka V. Vaidya, Georgios Batsios, Bei Zhang, Ryan Brown, Pavithra Viswanath, Jan Paska, Gerburg Wulf, Aaron K. Grant, Sabrina Ronen, and Peder E.Z. Larson

• **Assessment of the sensitivity of inhomogeneous Magnetization Transfer (ihMT) brain imaging with B1+ variations at 3T**

Lucas Soustelle, Samira Mchinda, Thomas Troalen, Maxime Guye, Jean-Philippe Ranjeva, Gopal Varma, David C Alsop, Guillaume Duhamel, and Olivier M Girard

• **Cardiac Rhythm Impacts Left Atrial Hemodynamics Measured with 4D Flow and Real Time PC MRI in Controls and Patients with Atrial Fibrillation**

Amanda L DiCarlo, Hassan Haji-Valizadeh, Suvai Gunasekaran, Patrick McCarthy, Rod Passman, Philip Greenland, Daniel C Lee, Daniel Kim, and Michael Markl

• **Changes of cortical gray matter myelin and microstructure in multiple sclerosis (MS) assessed with quantitative ihMT and MT**

Fanny Munsch, Gopal Varma, Manuel Taso, Shahamat Tauhid, Olivier M. Girard, Guillaume Duhamel, Rob Bakshi, and David Alsop

• **Connectivity analyses of accelerated 3D resting-state ASL**

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- **Consensus-based technical recommendations for clinical translation of renal MRI**
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- **Detection of atrial scar using 3D high-resolution dark-blood phase sensitive inversion recovery imaging**
  Dongyue Si, Yanfang Wu, Jie Yin, Rui Guo, Jingjing Xiao, Bowei Liu, Xue Lin, Peng Gao, Deyan Yang, Quan Fang, Jianwen Luo, Daniel A. Herzka, and Haiyan Ding

- **Improved Cerebral Microbleed vs Calcification Discrimination using QSM compared to SWI Phase Maps**
  Salil Soman, Kyuwon Lee, Magdy Selim, Aristotelis Filippidis, Ajit Thomas, Pascal Spincemaille, and Yi Wang

- **Longitudinal follow-up of MS active lesions with 3D inhomogeneous Magnetization Transfer (ihMT)**
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- **Motion Correction Strategy for Multi-Contrast based 3D parametric imaging: Application to Inhomogeneous Magnetization Transfer (ihMT)**
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• **Variable-density Fast-Spin-Echo (FSE) for volumetric inhomogeneous Magnetization Transfer (ihMT) imaging**
  
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