

Editorial

1019 Reviewer Acknowledgement

Mark E. Schweitzer

Review Article

1020 How Far Is Arterial Spin Labeling MRI From a Clinical Reality? Insights From Arterial Spin Labeling Comparative Studies in Alzheimer's Disease and Other Neurological Disorders

Jing Zhang

Original Research

Abdomen

1046 Quantification of Liver Perfusion Using Multidelay Pseudocontinuous Arterial Spin Labeling

Xinlei Pan, Tianyi Qian, Maria A. Fernandez-Seara, Robert X. Smith, Kuncheng Li, Kui Ying, Kyunghyun Sung, and Danny J.J. Wang

1055 Automated Liver Elasticity Calculation for MR Elastography

Bogdan Dzyubak, Sudhakar K. Venkatesh, Armando Manduca, Kevin J. Glaser, and Richard L. Ehman

1064 Interplatform Reproducibility of Liver and Spleen Stiffness Measured With MR Elastography

Temel Kaya Yasar, Mathilde Wagner, Octavia Bane, Cecilia Besa, James S. Babb, Stephan Kannengiesser, Maggie Fung, Richard L. Ehman, and Bachir Taouli

1073 Can Combining Triple-Arterial Phase Acquisition With Fluoroscopic Triggering Provide Both Optimal Early and Late Hepatic Arterial Phase Images During Gadoteric Acid-Enhanced MRI?

Keitaro Sofue, Daniele Marin, Tracy A. Jaffe, Rendon C. Nelson, and Mustafa R. Bashir

1082 Assessment of Liver Fibrosis in Rats by MRI With Apparent Diffusion Coefficient and T_1 Relaxation Time in the Rotating Frame

Genwen Hu, Xuhui Zhang, Wen Liang, Xing Zhong, Queenie Chan, Xiaoying Lin, Ting Lin, Yufa Li, and Xianyue Quan

1090 MRI-Determined Liver Proton Density Fat Fraction, With MRS Validation: Comparison of Regions of Interest Sampling Methods in Patients With Type 2 Diabetes

Kim-Nhien Vu, Guillaume Gilbert, Marianne Chalut, Miguel Chagnon, Gabriel Chartrand, and An Tang

1100 Liver Apparent Diffusion Coefficient Repeatability With Individually Predetermined Optimal Cardiac Timing and Artifact Elimination by Signal Filtering

Thierry Metens, Julie Absil, Vincent Denolin, Maria Antonietta Bali, and Celso Matos

Breast

1111 Diffusion Weighted Imaging for the Differentiation of Breast Tumors: From Apparent Diffusion Coefficient to High Order Diffusion Tensor Imaging

Jose R. Teruel, Pål E. Goa, Torill E. Sjøbakk, Agnes Østlie, Hans E. Fjøsne, and Tone F. Bathen

1122 Semi-automated Quantitative Intravoxel Incoherent Motion Analysis and Its Implementation in Breast Diffusion-Weighted Imaging

Hildebrand Dijkstra, Monique D. Dorrius, Mirjam Wielema, Karolien Jaspers, Ruud M. Pijnappel, and Matthijs Oudkerk, and Paul E. Sijens

Cardiac

1132 Right Ventricular Strain by MR Quantitatively Identifies Regional Dysfunction in Patients with Arrhythmogenic Right Ventricular Cardiomyopathy

Davis M. Vigneault, Anneline S.J.M. te Riele, Cynthia A. James, Stefan L. Zimmerman, Mariana Selwaness, Brittney Murray, Crystal Tichnell, Michael Tee, J. Alison Noble, Hugh Calkins, Harikrishna Tandri, and David A. Bluemke

Musculoskeletal	1140 Multicomponent T_2 Analysis of Articular Cartilage With Synovial Fluid Partial Volume Correction <i>Fang Liu, Rajeev Chaudhary, Walter F. Block, Alexey Samsonov, and Richard Kijowski</i>
	1148 Noninvasive Measurement of Lower Extremity Muscle Oxygen Extraction Fraction under Cuff Compression Paradigm <i>Chengyan Wang, Rui Zhang, Xiaodong Zhang, He Wang, Kai Zhao, Lixin Jin, Jue Zhang, Xiaoying Wang, and Jing Fang</i>
	1159 Quantitative Analysis of Tibial Subchondral Bone: Texture Analysis Outperforms Conventional Trabecular Microarchitecture Analysis <i>James W. MacKay, Philip J. Murray, Samantha B. L. Low, Bahman Kasmai, Glyn Johnson, Simon T. Donell, and Andoni P. Toms</i>
Technical Development	
Musculoskeletal	1171 Temperature Measurement in Human Fat With T_2 Imaging <i>Mikael Parmala, Mikael Eriksson, Maria Rytioja, Jukka Tantt, and Max Köhler</i>
Original Research	
Neuro	1179 Intravoxel Incoherent Motion MRI for Predicting Early Response to Induction Chemotherapy and Chemoradiotherapy in Patients with Nasopharyngeal Carcinoma <i>Yu Xiao-ping, Hou Jing, Li Fei-ping, Hu Yin, Lu Qiang, Wang Lanlan, and Wang Wei</i>
Technical Development	
Neuro	1191 Reproducibility of Cerebrovascular Reactivity Measures in Children Using BOLD MRI <i>Jackie Leung, Junseok A. Kim, and Andrea Kassner</i>
Original Research	
Pediatric	1196 Rapid Lung MRI in Children with Pulmonary Infections: Time to Change Our Diagnostic Algorithms <i>Kushaljit Singh Sodhi, Niranjana Khandelwal, Akshay Kumar Saxena, Meenu Singh, Ritesh Agarwal, Anmol Bhatia, and Edward Y. Lee</i>
Pelvis	1207 Diffusion-Weighted MRI for Early Detection and Characterization of Prostate Cancer in the Transgenic Adenocarcinoma of the Mouse Prostate Model <i>Deborah K. Hill, Eugene Kim, Jose R. Teruel, Yann Jamin, Marius Widerøe, Caroline D. Søgaard, Øystein Størkersen, Daniel N. Rodrigues, Andreas Heindl, Yinyin Yuan, Tone F. Bathen, and Siver A. Moestue</i>
Technical Development	
Pelvis	1218 Distortion Correction of Echo-Planar Diffusion-Weighted Images of Uterine Cervix <i>Nandita M. deSouza, Matthew Orton, Kate Downey, Veronica A. Morgan, David J. Collins, Sharon L. Giles, and Geoffrey S. Payne</i>
Original Research	
Physics	1224 Initial Validation of Equilibrium Contrast Imaging for Extracellular Volume Quantification Using a Three-Dimensional Engineered Tissue Model <i>Steve Bandula, Tarig Magdeldin, Nicola Stevens, Jason Yeung, James C. Moon, Stuart A. Taylor, Umber Cheema, and Shonit Punwani</i>
Thoracic	1230 Evaluation of Optimized Breath-Hold and Free-Breathing 3D Ultrashort Echo Time Contrast Agent-Free MRI of the Human Lung <i>Neville D. Gai, Ashkan Malayeri, Harsh Agarwal, Robert Evers, and David Bluemke</i>
	1239 Age-Related Changes in Aortic 3D Blood Flow Velocities and Wall Shear Stress: Implications for the Identification of Altered Hemodynamics in Patients With Aortic Valve Disease <i>Pim van Ooij, Julio Garcia, Wouter V. Potters, S. Chris Malaisrie, Jeremy D. Collins, James C. Carr, Michael Markl, and Alex J. Barker</i>

1250 Influence of Age and Sex on the Longitudinal Relaxation Time, T1, of the Lung in Healthy Never-Smokers

Simon S.I. Kindvall, Sandra Diaz, Jonas Svensson, Per Wollmer, Dariusz Slusarczyk, and Lars E. Olsson

Book Review

1258 Differential Diagnosis in Musculoskeletal MRI

Kavitha Yaddanapudi

Volume 43, Number 5 was mailed the week of April 18, 2016