

Reviews

CME**989 MR in Hypertension***Giles Roditi***CME****1007 MR Imaging of the Postoperative Knee***Ralph Gnannt, Avneesh Chhabra, John S. Theodoropoulos, Juerg Hodler, and Gustav Andreisek*

Original Research

Neuroimaging

1022 Clinical and Economic Outcomes of Low-Field Intraoperative MRI-Guided Tumor Resection Neurosurgery*Mina Makary, E. Antonio Chiocca, Natali Erminy, María Antor, Sergio D. Bergese, Mahmoud Abdel-Rasoul, Soledad Fernandez, and Roger Dzwonczyk***1031 Anatomic Dependency of Phase Shifts in the Cerebral Venous System of Neonates at Susceptibility-Weighted MRI***Tetsu Niwa, Noriko Aida, Hiroshi Kawaguchi, Takayuki Obata, Thomas C. Kwee, Yasuhiko Tachibana, Jun Shibasaki, and Taro Takahara***1037 Improved Quantification of Brain Perfusion Using FAIR With Active Suppression of Superior Tagging (FAIR ASST)***Xiufeng Li, Subhendra N. Sarkar, David E. Purdy, Robert W. Haley, and Richard W. Briggs***1045 Investigating the Effects of Low Dose Alcohol on Neural Timing Using Functional MRI***Nelson J. Klahr, Paul Wright, Guangming Lu, Lisa Merlo, Yi Zhang, Guojun He, Mark S. Gold, and Yijun Liu***1053 In Vivo MRS Study of Intraventricular Tumors***Tariq Shah, Rama Jayasundar, Virendera Paul Singh, and Chitra Sarkar***1060 Correlation of Phase Values With CT Hounsfield and R2* Values in Calcified Neurocysticercosis***B. Roy, S. Verma, R. Awasthi, R.K. Rathore, R. Venkatesan, S.A. Yoganathan, J.K. Maria Das, K.N. Prasad, and R.K. Gupta*

Cardiovascular Imaging

1065 Mapping System for Coregistration of Cardiac MRI and Ex Vivo Tissue Sampling*Alistair A. Young, David J. Crossman, Peter N. Ruygrok, and Mark B. Cannell***1072 Accelerating Cine-MR Imaging in Mouse Hearts Using Compressed Sensing***Tobias Wech, Angela Lemke, Debra Medway, Lee-Anne Stork, Craig A. Lygate, Stefan Neubauer, Herbert Köstler, and Jürgen E. Schneider***1080 The Presence of Two Local Myocardial Sheet Populations Confirmed by Diffusion Tensor MRI and Histological Validation***Geoffrey L. Kung, Tom C. Nguyen, Aki Itoh, Stefan Skare, Neil B. Ingels, Jr, D. Craig Miller, and Daniel B. Ennis*

Thoracic Imaging

1092 An MR Comparison Study of Cardiogenic and Noncardiogenic Pulmonary Edema in Animal Models*Sakae Fujimoto, Shigehiro Morikawa, and Toshiro Inubushi*

Breast Imaging

1099 Diffusion-Weighted and Dynamic Contrast-Enhanced MRI in Evaluation of Early Treatment Effects During Neoadjuvant Chemotherapy in Breast Cancer Patients*Line R. Jensen, Benjamin Garzon, Mariann G. Heldahl, Tone F. Bathen, Steinar Lundgren, and Ingrid S. Gribbestad*

Gastrointestinal Imaging

1110 MR Elastography for Noninvasive Assessment of Hepatic Fibrosis: Experience From a Tertiary Center in Asia*Bo Hee Kim, Jeong Min Lee, Ye Ji Lee, Kyoung Bun Lee, Kyung-Suk Suh, Joon Koo Han, and Byung Ihn Choi*

- 1117 Low b-Value Diffusion-Weighted Imaging For Diagnosing Strangulated Small Bowel Obstruction: A Feasibility Study**
Taro Takahara, Thomas C. Kwee, Sotaro Sadahiro, Tomohiro Yamashita, Yuki Toyoguchi, Takeshi Yoshizako, Tomohiro Horie, Peter R. Luijten, and Yutaka Imai
- Genitourinary Imaging**
- 1125 Association of Placental Volume Measured by MRI and Birth Weight Percentile**
Iris E. Derwig, Ranjit Akolekar, Fernando O. Zelaya, Penny A. Gowland, Gareth J. Barker, and Kypros H. Nicolaides
- 1131 Perfusion Fraction of Diffusion-Weighted MRI for Predicting the Presence of Blood Supply in Ovarian Masses**
Satoru Morita, Shinya Kojima, Masami Hirata, Kazufumi Suzuki, and Eiko Ueno
- 1137 Diffusion-Weighted Magnetic Resonance Imaging in the Detection of Testicular Torsion: Feasibility Study**
Daisuke Maki, Yuji Watanabe, Masako Nagayama, Takayoshi Ishimori, Akira Okumura, Yoshiki Amoh, Satoru Nakashita, Akihito Terai, and Yoshihiro Dodo
- Musculoskeletal Imaging**
- 1143 Measurement of Human Skeletal Muscle Oxidative Capacity by ³¹P-MR Spectroscopy: A Cross-Validation With In Vitro Measurements**
Ian R. Lanza, Sumit Bhagra, K. Sreekumaran Nair, and John D. Port
- 1151 Quantitative T2 Mapping of Femoral Head Cartilage in Systemic Lupus Erythematosus Patients With Noncollapsed Osteonecrosis of the Femoral Head Associated With Corticosteroid Therapy**
Shinji Yamamoto, Atsuya Watanabe, Junichi Nakamura, Seiji Ohtori, Yoshitada Harada, Shunji Kishida, Yuichi Wada, and Kazuhisa Takahashi
- Vascular Imaging**
- 1159 MRI-Guided Vascular Access With an Active Visualization Needle**
Christina E. Saikus, Kanishka Ratnayaka, Israel M. Barbash, Jessica H. Colyer, Ozgur Kocaturk, Anthony Z. Faranesh, and Robert J. Lederman
- 1167 In Vivo and Ex Vivo Measurements of the Mean ADC Values of Lipid Necrotic Core and Hemorrhage Obtained From Diffusion Weighted Imaging in Human Atherosclerotic Plaques**
Seong-Eun Kim, Gerald S. Treiman, John A. Roberts, Eun-Kee Jeong, Xianfeng Shi, J. Rock Hadley, and Dennis L. Parker
- 1176 Accelerated Aortic Imaging Using Small Field of View Imaging and Electrocardiogram-Triggered Quadruple Inversion Recovery Magnetization Preparation**
Sarah A. Peel, Tarique Hussain, Marina Cecelja, Abeera Abbas, Gerald F. Greil, Philip Chowienczyk, Tim Spector, Alberto Smith, Matthew Waltham, and Rene M. Botnar
- 1184 An MRI Study of the Differences in the Rate of Thrombolysis Between Red Blood Cell-Rich and Platelet-Rich Components of Venous Thrombi Ex Vivo**
Jernej Vidmar, Aleš Blinc, Eduard Kralj, Jože Balazic, Franci Bajd, and Igor Serša
- Technical Developments**
- 1192 PEG Coating Reduces NMR Relaxivity of $Mn_{0.5}Zn_{0.5}Gd_{0.02}Fe_{1.98}O_4$ Hyperthermia Nanoparticles**
Bashar Issa, Shahnaz Qadri, Ihab M. Obaidat, Richard W. Bowtell, and Yousef Haik
- Technical Notes**
- 1199 Noncontrast-Enhanced Four-Dimensional MR Angiography for the Evaluation of Cerebral Arteriovenous Malformation: A Preliminary Trial**
Junling Xu, Dapeng Shi, Chuanliang Chen, Yongli Li, Meiyun Wang, Xinwei Han, Lixin Jin, and Xiaoming Bi
- 1206 Using Hyperpolarized ³He MRI to Evaluate Treatment Efficacy in Cystic Fibrosis Patients**
Yanping Sun, Brian P. O'Sullivan, John P. Roche, Ronn Walwick, Austin Reno, Dawn Baker, Joey K. Mansour, and Mitchell S. Albert
- 1212 Supine Breast MRI**
Peter Siegler, Claire M.B. Holloway, Petrina Causer, Gilbert Thevathasan, and Donald B. Plewes

1218 MR Venography of the Brain With Enhanced Vessel Contrast Using Image-Domain High-Pass Filtering of the Susceptibility Phase Shift
Zhaoyang Jin, Ling Xia, Min Lou, Minming Zhang, and Yiping P. Du

1226 Comparison of Four-Dimensional Flow Parameters for Quantification of Flow Eccentricity in the Ascending Aorta
Monica Sigovan, Michael D. Hope, Petter Dyverfeldt, and David Saloner

1231 Evaluation of the Keyhole Technique Applied to the Proton Resonance Frequency Method for Magnetic Resonance Temperature Imaging
YongHee Han and ChiWoong Mun

Letter to the Editor

1240 Magnetization Transfer Ratio as a Marker for Myelin in Multiple Sclerosis
Viroj Wiwanitkit

1241 Response
Irene M. Vavasour, Cornelia Laule, David K.B. Li, Anthony L. Traboulsee, and Alex L. MacKay

Erratum

1242 Popadic Gacesa JZ, Dusko KB, Grujic NG. Triceps Brachii Strength and Regional Body Composition Changes After Detraining Quantified by MRI. *J Magn Reson Imaging* 2011;33:1114-1120