

**CME Information**

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**1011 Acute Abdominal Pain: Is There a Potential Role for MRI in the Setting of the Emergency Department in a Patient with Renal Calculi?**

**Reviews**

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**CME**

**1012 Acute Abdominal Pain: Is There a Potential Role for MRI in the Setting of the Emergency Department in a Patient with Renal Calculi?**

*Bobby Kalb, Puneet Sharma, Khalil Salman, Kenneth Ogan, John G. Pattaras, and Diego R. Martin*

**1024 Real-Time Diffusion-Perfusion Mismatch Analysis in Acute Stroke**

*Matus Straka, Gregory W. Albers, and Roland Bammer*

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**Neuroimaging**

**1038 Combined Use of Neuroradiology and <sup>1</sup>H-MR Spectroscopy May Provide an Intervention Limiting Diagnosis of Glioblastoma Multiforme**

*Greg A. Fellows, Alan J. Wright, Naomi A. Sibtain, Phil Rich, Kirstie S. Opstad, Dominick J.O. McIntyre, B. Anthony Bell, John R. Griffiths, and Franklyn A. Howe*

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*Thomas Ernst, Caroline S. Jiang, Helenna Nakama, Steven Buchthal, and Linda Chang*

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*Klaus Schmierer, Janet R. Thavarajah, Shu F. An, Sebastian Brandner, David H. Miller, and Daniel J. Tozer*

**1061 MRI of the Neck at 3 Tesla Using the Periodically Rotated Overlapping Parallel Lines with Enhanced Reconstruction (PROPELLER) (BLADE) Sequence Compared with T2-Weighted Fast Spin-Echo Sequence**

*Yoshimitsu Ohgiya, Jumpei Suyama, Noritaka Seino, Shu Takaya, Masaaki Kawahara, Makoto Saiki, Syouei Sai, Masanori Hirose, and Takehiko Gokan*

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*Jeff D. Winter, Jorn Fierstra, Stephanie Dörner, Joseph A. Fisher, Keith S. St. Lawrence, and Andrea Kassner*

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*Jun Shen, Xiao-Hui Duan, Li-Na Cheng, Xiao-Mei Zhong, Ruo-Mi Guo, Fang Zhang, Cui-Ping Zhou, and Bi-Ling Liang*

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*Jos J.M. Westenberg, Albert de Roos, Heynric B. Grotenhuis, Paul Steendijk, Dennis Hendriksen, Pieter J. van den Boogaard, Rob J. van der Geest, Jeroen J. Bax, J. Wouter Jukema, and Johan H.C. Reiber*

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*Paul Kirk, Gillian C. Smith, Michael Roughton, T. He, and Dudley J. Pennell*

**1099 Comparison of Magnetic Resonance Imaging with Transthoracic Echocardiography in the Diagnosis of Ventricular Septal Defect-Associated Coronary Cusp Prolapse**

*Norihiko Yoshimura, Yoshiro Hori, Yousuke Horii, Hiroshi Suzuki, Satoshi Hasegawa, Masashi Takahashi, and Hiroshi Watanabe*

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- Breast Imaging**
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- Body Imaging**
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*Henrik Antell, Jussi Numminen, Usama Abo-Ramadan, Mika R. Niemelä, Juha A. Hernesniemi, and Marko Kangasniemi*
- 1197 Fast Algorithm for Calculation of Inhomogeneity Gradient in Magnetic Resonance Imaging Data**  
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- 1217 Reconstruction of 3D Dynamic Contrast-Enhanced Magnetic Resonance Imaging Using Nonlocal Means**  
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**1228 Faster Dynamic Imaging of Speech With Field Inhomogeneity Corrected Spiral Fast Low Angle Shot (FLASH) at 3 T**

*Bradley P. Sutton, Charles A. Conway, Youkyung Bae, Ravi Seethamraju, and David P. Kuehn*

**Clinical Note**

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**1238 Magnetic Resonance Imaging Findings in Extrauterine Malignant Mixed Mullerian Tumors: Report of Two Cases**

*Jeong-Hee Yoon, Jeong Yeon Cho, Sung Il Hwang, Hak-jong Lee, and Seung-Hyup Kim*

**Technical Notes**

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**1242 Method for Simultaneous Voxel-Based Morphometry of the Brain and Cervical Spinal Cord Area Measurements Using 3D-MDEFT**

*Patrick A.B. Freund, Catherine Dalton, Claudia A.M. Wheeler-Kingshott, Janice Glensman, David Bradbury, Alan J. Thompson, and Nikolaus Weiskopf*

**1248 Chemical Shift Imaging in the Head and Neck at 3T: Initial Results**

*David K.W. Yeung, Kwan-Ying Fong, Queenie C.C. Chan, and Ann D. King*

**1255 Noncontrast SSFP Pulmonary Vein Magnetic Resonance Angiography: Impact of Off-Resonance and Flow**

*Peng Hu, Christian T. Stoeck, Jouke Sminck, Dana C. Peters, Long Ngo, Beth Goddu, Kraig V. Kissinger, Lois A. Goepfert, Jonathan Chan, Thomas H. Hauser, Neil M. Rofsky, Warren J. Manning, and Reza Nezafat*

**1262 Spiral Water-Fat Imaging with Integrated Off-Resonance Correction on a Clinical Scanner**

*Peter Börnert, Peter Koken, and Holger Eggers*

**Book Review**

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**1268 Reference Manual for Magnetic Resonance Safety, Implants, and Devices: 2010 Edition**

*Diego R. Martin*

**Erratum**

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**1269 Wichlas F, Bail JH, Seebauer CJ, et al. Development of a Signal-Inducing Bone Cement for Magnetic Resonance Imaging. *J Magn Reson Imaging* 2010;31:636-644**

Magnetic Resonance Imaging (MRI) is the first international multidisciplinary journal encompassing physical, life, and clinical science investigations as they relate to the development and use of magnetic resonance imaging. MRI is dedicated to both basic research, technological innovation and applications, providing a single forum for communication among radiologists, physicists, chemists, biochemists, biologists, engineers, internists, pathologists, physiologists, computer scientists, and mathematicians. Benefits to authors We also provide many author benefits, such as free PDFs, a liberal co See more of Journal of Magnetic Resonance Imaging on Facebook. Log In. or. Create New Account. See more of Journal of Magnetic Resonance Imaging on Facebook. Log In. Forgotten account?Â

TITLE: Ultrashort echo time imaging of the lungs under highâ€frequency noninvasive ventilation: A new approach to lung imaging BACKGROUND: Although ultrashort TITLE: Ultrashort echo time imaging of the lungs under highâ€frequency noninvasive ventilation: A new approach to lung imaging BACKGROUND: Although ultrashort Journal of Magnetic Resonance Imaging. 14 June 2019 Â. New Audioslide: Water-Fat Separation and Parameter Mapping in Cardiac MRI via Deep Learning CNN <http://ow.ly/UkMH50ubrL7>. 1991-2020. Scope. The Journal of Magnetic Resonance Imaging (JMRI) is an international journal devoted to the timely publication of basic and clinical research, educational and review articles, and other information related to the diagnostic applications of magnetic resonance. Homepage. How to publish in this journal.Â

The set of journals have been ranked according to their SJR and divided into four equal groups, four quartiles. Q1 (green) comprises the quarter of the journals with the highest values, Q2 (yellow) the second highest values, Q3 (orange) the third highest values and Q4 (red) the lowest values. Category. Year. Quartile. Radiology, Nuclear Medicine and Imaging. 1999. Q1. Radiology, Nuclear Medicine and Imaging. 2000. Q1. Radiology, Nuclear Medicine and Imaging.