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- CME** 753 **Mesenteric Masses: Approach to Differential Diagnosis at MRI With Histopathologic Correlation**  
*Sajeev R. Ezhapilli, Courtney Coursey Moreno, William C. Small, Krisztina Hanley, Hiroumi D. Kitajima, and Pardeep K. Mittal*

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- 770 **On the Impact of Physiological Noise in Spinal Cord Functional MRI**  
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- 778 **CME Update: Review Articles and Commentaries in JMRI**  
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- 789 **Median Nerve T2 Assessment in the Wrist Joints: Preliminary Study in Patients With Carpal Tunnel Syndrome and Healthy Volunteers**  
*Jang Gyu Cha, Jong Kyu Han, Soo Bin Im, and Sung Jin Kang*

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- 796 **Rapid Isotropic Resolution Cartilage Assessment Using Radial Alternating Repetition Time Balanced Steady-State Free-Precession Imaging**  
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- 804 **Dielectric Pads and Low- $B_1^+$  Adiabatic Pulses: Complementary Techniques to Optimize Structural  $T_1w$  Whole-Brain MP2RAGE Scans at 7 Tesla**  
*Kieran R. O'Brien, Arthur W. Magill, Jean Delacoste, Jose P. Marques, Tobias Kober, Hans-Peter Fautz, Francois Lazeyras, and Gunnar Krueger*
- 813 **Intravoxel Incoherent Motion Diffusion-Weighted MRI at 3.0 T Differentiates Malignant Breast Lesions From Benign Lesions and Breast Parenchyma**  
*Louisa Bokacheva, Jennifer B. Kaplan, Dilip D. Giri, Sujata Patil, Merlin Gnanasigamani, C. Gregory Nyman, Joseph O. Deasy, Elizabeth A. Morris, and Sunitha B. Thakur*

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- 824 **Comparison Between Two Types of Improved Motion-Sensitized Driven-Equilibrium (iMSDE) for Intracranial Black-Blood Imaging at 3.0 Tesla**  
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- 832 **Quantification of Amide Proton Transfer Effect Pre- and Post-gadolinium Contrast Agent Administration**  
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- 839 **Three-Dimensional Assessment of Lung Tissue Density Using a Clinical Ultrashort Echo Time at 3 Tesla: A Feasibility Study in Healthy Subjects**  
*Mathieu Lederlin and Yannick Cr emillieux*

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- 848 **Longitudinal Anatomical and Metabolic MRI Characterization of Orthotopic Xenograft Prostate Tumors in Nude Mice**  
*Christiane L. Mallett, Heeseung Lim, Kundan Thind, Yuhua Chen, Emeline J. Ribot, Francisco Martinez, Timothy J. Scholl, and Paula J. Foster*

**Abdomen****857 Ultrafast Volumetric  $B_1^+$  Mapping for Improved Radiofrequency Shimming in 3 Tesla Body MRI**

*Alois M. Sprinkart, Kay Nehrke, Frank Träber, Wolfgang Block, Jürgen Gieseke, Georg Schmitz, Winfried A. Willinek, Hans Schild, and Peter Börnert*

**864 Three-Dimensional Through-Time Radial GRAPPA for Renal MR Angiography**

*Katherine L. Wright, Gregory R. Lee, Philipp Ehse, Mark A. Griswold, Vikas Gulani, and Nicole Seiberlich*

**875 T1 Bias in Chemical Shift-Encoded Liver Fat-Fraction: Role of the Flip Angle**

*Jens-Peter Kühn, Christina Jahn, Diego Hernando, Werner Siegmund, Stefan Hadlich, Julia Mayerle, Jörg Pfannmöller, Sonke Langner, and Scott Reeder*

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*Kiyohisa Kamimura, Yoshihiko Fukukura, Tomohide Yoneyama, Koji Takumi, Akihiro Tateyama, Aya Umanodan, Toshikazu Shindo, Yuichi Kumagae, Shin-Ichi Ueno, Chihaya Koriyama, and Masayuki Nakajo*

**Technical Note**

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**Breast****890 Comparing Average Breast Fat Content Results From Two Different Protocols at 1.5T and 3T: Can the Data Be Pooled?**

*Sofia Chavez and Greg Stanisz*

**Original Research**

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**Cardiac****899 Postsurgical Hemodynamics of the Aortic Valve Bypass Operation Evaluated With Phase Contrast Magnetic Resonance**

*Adrian Lam, Stephanie Clement-Guinaudeau, Muralidhar Padala, Robert L. Eisner, Vinod Thourani, David Vadnais, Stuart Hurst, Robert A. Guyton, and John N. Oshinski*

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*Hisham Z. Bajwa, Loi Do, Mohammed Suhail, Steven W. Hetts, Mark W. Wilson, and Maythem Saeed*

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**Cardiac****915 Cardiovascular Magnetization Transfer Ratio Imaging Compared With Histology: A Postmortem Study**

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**Neuro****920 Arterial Spin Labeling to Determine Tumor Viability in Head and Neck Cancer Before and After Treatment**

*Noriyuki Fujima, Kohsuke Kudo, Daisuke Yoshida, Akihiro Homma, Tomohiro Sakashita, Akiko Tsukahara, Khin Khin Tha, Yuri Zaitso, Satoshi Terae, and Hiroki Shirato*

**929 Symmetry of the Fornix Using Diffusion Tensor Imaging**

*Uta N. Sbotto-Frankenstein, Tiffany Lazar, R. Bruce Bolster, Sunny Thind, Patricia Dreesen de Gervai, Marco L.H. Gruwel, Stephen D. Smith, and Boguslaw Tomanek*

**937 Investigation of Brain Hemodynamic Changes Induced by Active and Passive Movements: A Combined Arterial Spin Labeling-BOLD fMRI Study**

*Ilaria Boscolo Galazzo, Silvia F. Storti, Emanuela Formaggio, Francesca B. Pizzini, Antonio Fiaschi, Alberto Beltramello, Alessandra Bertoldo, and Paolo Manganotti*

**949 MR Venography of the Fetal Brain Using Susceptibility Weighted Imaging**

*Jaladhar Neelavalli, Swati Mody, Lami Yeo, Pavan Kumar Jella, Steven J. Korzeniewski, Sheena Saleem, Yashwanth Katkuri, Ray O. Bahado-Singh, Sonia S. Hassan, E. Mark Haacke, Roberto Romero, and Moriah E. Thomason*

**958 Quality of 186 Child Brain Spectra Using Motion and B0 Shim Navigated Single Voxel Spectroscopy**

*Aaron T. Hess, André J.W. van der Kouwe, Kenneth K. Mbugua, Barbara Laughton, and Ernesta M. Meintjes*

**966 Morphology and Function: MR Pineal Volume and Melatonin Level in Human Saliva Are Correlated**

*Luisa-Sophie Liebrich, Michael Schredl, Peter Findeisen, Christoph Groden, Jan Malte Bumb, and Ingo S. Nölte*

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**972 BOLD MRI and Early Impairment of Cerebrovascular Reserve After Aneurysmal Subarachnoid Hemorrhage**

*Leodante da Costa, Jorn Fierstra, Joseph A. Fisher, David J. Mikulis, Jay S. Han, and Michael Tymianski*

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**Vascular**

**980 Perfusion Measurements of the Calf in Patients With Peripheral Arterial Occlusive Disease Before and After Percutaneous Transluminal Angioplasty Using MR Arterial Spin Labeling**

*Gerd Grözinger, Rolf Pohmann, Fritz Schick, Ulrich Grosse, Roland Syha, Klaus Brechtel, Kilian Rittig, and Petros Martirosian*

**988 Vascular and Extravascular Findings on Magnetic Resonance Angiography of the Thoracic Aorta and the Origin of the Great Vessels**

*Jan M. Sohns, Wieland Staab, Jan Menke, Leonard Bergau, Darius Dabir, Alexander Schwarz, Judith E. Spiro, Marc Dorenkamp, James L. Harrison, Michael Steinmetz, Joachim Lotz, and Christian Sohns*

**996 0.125 mm<sup>3</sup> Spatial Resolution Steady-State MR Angiography of the Thighs With a Blood Pool Contrast Agent Using the Quadrature Body Coil Only at 1.5 Tesla**

*Jack M. Boschwitz, Dariusch R. Hadizadeh, Guido M. Kukuk, Carsten Meyer, Kai Wilhelm, Arne Koscielny, Frauke Verrel, Jürgen Gieseke, Hans H. Schild, and Winfried A. Willinek*

**Erratum**

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**1002 Erratum**

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