

## Editorial

---

- 569 **JMRI Reviewer Awards**  
*Mark E. Schweitzer*

## CME Article

---

- 571 **Pseudoprogession of Brain Tumors**  
*Stefanie C. Thust, Martin J. van den Bent, and Marion Smits*

## Review Article

---

- 590 **RF Coils: A Practical Guide for Nonphysicists**  
*Bernhard Gruber, Martijn Froeling, Tim Leiner, and Dennis W.J. Klomp*

## Original Research

---

### Pelvis

- 605 **Novel Radiomic Signature as a Prognostic Biomarker for Locally Advanced Rectal Cancer**  
*Yankai Meng, Yuchen Zhang, Di Dong, Chunming Li, Xiao Liang, Chongda Zhang, Lijuan Wan, Xinming Zhao, Kai Xu, Chunwu Zhou, Jie Tian, and Hongmei Zhang*
- 615 **Radiomic Features of Pretreatment MRI Could Identify T stage in Patients With Rectal Cancer: Preliminary Findings**  
*Yiqun Sun, Panpan Hu, Jiazhou Wang, Lijun Shen, Fan Xia, Gan Qing, Weigang Hu, Zhen Zhang, Chao Xin, Weijun Peng, Tong Tong, and Yajia Gu*
- 622 **Diagnostic Accuracy of 3.0T Diffusion-Weighted MRI for Patients With Uterine Carcinosarcoma: Assessment of Tumor Extent and Lymphatic Metastasis**  
*Yu-Ting Huang, Chun-Bi Chang, Chi-Ju Yeh, Gigin Lin, Huei-Jean Huang, Chun-Chieh Wang, Kuan-Ying Lu, Koon-Kwan Ng, Tzu-Chen Yen, and Chyong-Huey Lai*

### Chest

- 632 **Comparison of  $^3\text{He}$  and  $^{129}\text{Xe}$  MRI for Evaluation of Lung Microstructure and Ventilation at 1.5T**  
*Neil J. Stewart, Ho-Fung Chan, Paul J.C. Hughes, Felix C. Horn, Graham Norquay, Madhwesha Rao, Denise P. Yates, Rob H. Ireland, Matthew O. Hatton, Bilal A. Tahir, Paul Ford, Andrew J. Swift, Rod Lawson, Helen Marshall, Guilhem J. Collier, and Jim M. Wild*

### Head and Neck

- 643 **Glioma Infiltration Sign on High b-Value Diffusion-Weighted Imaging in Gliomas and Its Prognostic Value**  
*Qiang Zeng, Chenhan Ling, Feina Shi, Fei Dong, Biao Jiang, and Jianmin Zhang*
- 652 **Discriminative Analysis of Regional Evolution of Iron and Myelin/Calcium in Deep Gray Matter of Multiple Sclerosis and Healthy Subjects**  
*Ahmed M. Elkady, Dana Cobzas, Hongfu Sun, Gregg Blevins, and Alan H. Wilman*

### Musculoskeletal

- 669 **Relationship Between Subchondral Bone Microstructure and Articular Cartilage in the Osteoarthritic Knee Using 3T MRI**  
*Chenglei Liu, Chang Liu, Liping Si, Hao Shen, Qian Wang, and Weiwu Yao*
- 680 **Whole-Tumor Apparent Diffusion Coefficient (ADC) Histogram Analysis to Differentiate Benign Peripheral Neurogenic Tumors From Soft Tissue Sarcomas**  
*Masanori Nakajo, Yoshihiko Fukukura, Hiroto Hakamada, Tomohide Yoneyama, Kiyohisa Kamimura, Satoshi Nagano, Masayuki Nakajo, and Takashi Yoshiura*
- 687 **Quantification of Hand Synovitis in Rheumatoid Arthritis: Arterial Mask Subtraction Reinforced With Mutual Information Can Improve Accuracy of Pixel-by-Pixel Time-Intensity Curve Shape Analysis in Dynamic MRI**  
*Yuto Kobayashi, Tamotsu Kamishima, Hiroyuki Sugimori, Shota Ichikawa, Atsushi Noguchi, Michihito Kono, Toshitake Iiyama, Kenneth Sutherland, and Tatsuya Atsumi*

- Breast**
- 695 **Repeatability, Reproducibility, and Accuracy of Quantitative MRI of the Breast in the Community Radiology Setting**  
*Anna G. Sorace, Chengyue Wu, Stephanie L. Barnes, Angela M. Jarrett, Sarah Avery, Debra Patt, Boone Goodgame, Jeffery J. Luci, Hakmook Kang, Richard G. Abramson, Thomas E. Yankeelov, and John Virostko*
- Vascular**
- 708 **Regional Cerebral Blood Flow in Natives at High Altitude: An Arterial Spin Labeled MRI Study**  
*Xiaochuan Wang, Wenping Wei, Fengjuan Yuan, Shanhua Li, Jianzhong Lin, and Jiaying Zhang*
- 718 **Wall Shear Stress Estimation in the Aorta: Impact of Wall Motion, Spatiotemporal Resolution, and Phase Noise**  
*Judith Zimmermann, Daniel Demedts, Hanieh Mirzaee, Peter Ewert, Heiko Stern, Christian Meierhofer, Bjoern Menze, and Anja Hennemuth*
- Neuro**
- 729 **Differentiation Between Vasogenic Edema and Infiltrative Tumor in Patients With High-Grade Gliomas Using Texture Patch-Based Analysis**  
*Moran Artzi, Gilad Liberman, Deborah T. Blumenthal, Orna Aizenstein, Felix Bokstein, and Dafna Ben Bashat*
- 737 **Track-Weighted Imaging for Neuroretina: Evaluations in Healthy Volunteers and Ischemic Optic Neuropathy**  
*Arnaud Attyé, Clément Jean, Perrine Remond, Carole Peyrin, Augustin Lecler, Naïla Boudiaf, Florent Aptel, Christophe Chiquet, Laurent Lamalle, and Alexandre Krainik*
- 748 **White Matter Integrity Disruptions Correlate With Cognitive Impairments in Asthma**  
*Rongrong Bian, Yuqun Zhang, Yuan Yang, Yingying Yin, Xiaoxin Zhao, Huanxin Chen, and Yonggui Yuan*
- 757 **High-Fat Diet Induces a Neurometabolic State Characterized by Changes in Glutamate and N-Acetylaspartate Pools Associated With Early Glucose Intolerance: An In Vivo Multimodal MRI Study**  
*Mário Ribeiro, João Castelhana, Lorena I. Petrella, José Sereno, Tiago Rodrigues, Christian Neves, Liliana Letra, Filipa I. Baptista, Raquel Seiça, Paulo Matafome, and Miguel Castelo-Branco*
- 767 **Whole Brain White Matter Histogram Analysis of Diffusion Tensor Imaging Data Detects Microstructural Damage in Mild Cognitive Impairment and Alzheimer's Disease Patients**  
*Giovanni Giulietti, Mario Torso, Laura Serra, Barbara Spanò, Camillo Marra, Carlo Caltagirone, Mara Cercignani, Marco Bozzali, and the Alzheimer's Disease Neuroimaging Initiative (ADNI)*
- 780 **High Temporal Resolution Motion Estimation Using a Self-Navigated Simultaneous Multi-Slice Echo Planar Imaging Acquisition**  
*Jose R. Teruel, Joshua M. Kuperman, Anders M. Dale, and Nathan S. White*
- Cardiac**
- 788 **Nonbinary Quantification Technique Accounting for Myocardial Infarct Heterogeneity: Feasibility of Applying Percent Infarct Mapping in Patients**  
*Domenico Mastrodicasa, Gabriel A. Elgavish, U. Joseph Schoepf, Pal Suranyi, Marly van Assen, Moritz H. Albrecht, Carlo N. De Cecco, Rob J. van der Geest, Rayphael Hardy, Cesare Mantini, L. Parkwood Griffith, Balazs Ruzsics, and Akos Varga-Szemes*
- 799 **Longitudinal Changes in Myocardial T<sub>1</sub> and T<sub>2</sub> Relaxation Times Related to Diffuse Myocardial Fibrosis in Aortic Stenosis; Before and After Aortic Valve Replacement**  
*Sofia Kvernby, Mattias Rönnerfalk, Marcel Warntjes, Carl-Johan Carlhäll, Eva Nylander, Jan Engvall, Éva Tamás, and Tino Ebbers*

- 808 Cardiac MR Characterization of Left Ventricular Remodeling in a Swine Model of Infarct Followed by Reperfusion**  
*John Whitaker, Cory M. Tschabrunn, Jihye Jang, Eran Leshem, Mark O'Neill, Warren J. Manning, Elad Anter, and Reza Nezafat*
- Technical**
- 818 Radiomic Features on MRI Enable Risk Categorization of Prostate Cancer Patients on Active Surveillance: Preliminary Findings**  
*Ahmad Algohary, Satish Viswanath, Rakesh Shiradkar, Soumya Ghose, Shivani Pahwa, Daniel Moses, Ivan Jambor, Ronald Shnier, Maret Böhm, Anne-Maree Haynes, Phillip Brenner, Warick Delprado, James Thompson, Marley Pulbrock, Andrei S Purysko, Sadhna Verma, Lee Ponsky, Phillip Stricker, and Anant Madabhushi*
- Abdomen**
- 829 T2\* Mapping to Characterize Intestinal Fibrosis in Crohn's Disease**  
*Si-yun Huang, Xue-hua Li, Li Huang, Can-hui Sun, Zhuang-nian Fang, Meng-chen Zhang, Jin-jiang Lin, Meng-jie Jiang, Ren Mao, Zi-ping Li, Zhong-wei Zhang, and Shi-Ting Feng*
- 837 Magnetic Resonance Elastography and T<sub>1</sub> Mapping for Early Diagnosis and Classification of Chronic Pancreatitis**  
*Min Wang, Feng Gao, Xiaoqi Wang, Yanqing Liu, Ruoyun Ji, Lizhuo Cang, and Yu Shi*
- Thoracic**
- 846 Variable Flip Angle 3D Ultrashort Echo Time (UTE) T<sub>1</sub> Mapping of Mouse Lung: A Repeatability Assessment**  
*Daniel F. Alamidi, Amir Smailagic, Abdel W. Bidar, Nicole S. Parker, Marita Olsson, Paul D. Hockings, Kerstin M. Lagerstrand, and Lars E. Olsson*

Volume 48, Number 3 was mailed the week of August 28, 2018