

## Commentary

- 341 **Gender vs. Sex and Scientific Writing**  
Mark E. Schweitzer

## Reviews

- 342 **Multiparametric MRI of Solid Renal Masses: Principles and Applications of Advanced Quantitative and Functional Methods for Tumor Diagnosis and Characterization**  
Indira Laothamatas, Haitham Al Mubarak, Arthi Reddy, Rebecca Wax, Ketan Badani, Bachir Taouli, Octavia Bane, and Sara Lewis
- 360 **Cerebrospinal Fluid Flow and Brain Motion in Chiari I Malformation: Past, Present, and Future**  
Rafeeqe A. Bhadelia, Yu-Ming Chang, John N. Oshinski, and Francis Loth

## Research Articles

## Abdomen

- 379 **Peritumoral and Intratumoral Texture Features Based on Multiparametric MRI and Multiple Machine Learning Methods to Preoperatively Evaluate the Pathological Outcomes of Pancreatic Cancer**  
Ni Xie, Xuhui Fan, Desheng Chen, Jingwen Chen, Hongwei Yu, Meijuan He, Hao Liu, Xiaorui Yin, Baiwen Li, and Han Wang
- 392 **Assessment of an MR Elastography-Based Nomogram as a Potential Imaging Biomarker for Predicting Microvascular Invasion of Hepatocellular Carcinoma**  
Shanshan Gao, Yunfei Zhang, Wei Sun, Kaipu Jin, Yongming Dai, Feihang Wang, Xianling Qian, Jing Han, Ruofan Sheng, and Mengsu Zeng
- 403 **Comparative Analysis of a Locally Resampling MR Elastography Reconstruction Algorithm in Liver Fibrosis**  
Gwenaël Pagé, Felicia Julea, Valérie Paradis, Valérie Vilgrain, Dominique Valla, Bernard E. Van Beers, and Philippe Garteiser
- 415 **Exploration of Interstitial Fibrosis in Chronic Kidney Disease by Diffusion-Relaxation Correlation Spectrum MR Imaging: A Preliminary Study**  
Fang Liu, Wentao Hu, Yawen Sun, Yiwei Shen, Wenyan Zhou, Yongming Dai, Leyi Gu, Minfang Zhang, and Yan Zhou

## Editorial

- 427 **Editorial for "Exploration of Interstitial Fibrosis in Chronic Kidney Disease by Diffusion-Relaxation Correlation Spectrum MR Imaging: A Preliminary Study"**  
Rossano Girometti and Michele Bertolotto
- 429 **Automated MR Image Prescription of the Liver Using Deep Learning: Development, Evaluation, and Prospective Implementation**  
Ruiqi Geng, Collin J. Buelo, Mahalakshmi Sundaresan, Jitka Starekova, Nikolaos Panagiotopoulos, Thekla H. Oechtering, Edward M. Lawrence, Marcin Ignaciuk, Scott B. Reeder, and Diego Hernando

## Editorial

- 442 **Editorial for "Automated MR Image Prescription of the Liver Using Deep Learning: Development, Evaluation, and Prospective Implementation"**  
Felipe S. Furtado and Onofrio A. Catalano

## Breast

- 444 **Multiparametric MR Imaging Radiomics Signatures for Assessing the Recurrence Risk of ER+/HER2- Breast Cancer Quantified With 21-Gene Recurrence Score**  
Yang Chen, Wei Tang, Wei Liu, Ruimin Li, Qifeng Wang, Xigang Shen, Jing Gong, Yajia Gu, and Weijun Peng
- 454 **Evaluating Upstaging in Ductal Carcinoma In Situ Using Preoperative MRI-Based Radiomics**  
Minping Hong, Sijia Fan, Zhexuan Yu, Chen Gao, Zhen Fang, Liang Du, Shiwei Wang, Xiaobo Chen, Maosheng Xu, and Changyu Zhou

## Editorial

- 464 **Editorial for "Evaluating Upstaging in Ductal Carcinoma In Situ Using Preoperative MRI-Based Radiomics"**  
Endre Grøvik and Solveig Roth Hoff

## Cardiac

- 466 **Prognostic Value of Cardiac-MRI Scar Heterogeneity Combined With Left Ventricular Strain in Patients With Myocardial Infarction**  
Xiaoying Zhao, Xinxiang Zhao, Fuwei Jin, Lujing Wang, and Li Zhang

- 477 Normal Values of Magnetic Resonance  $T_{1\rho}$  Relaxation Times in the Adult Heart at 1.5 T MRI**  
*Wei Deng, Yangcheng Xue, Yuguo Li, Shutian An, Jie Zheng, Yinfeng Qian, Xiuzheng Yue, Zhigang Wu, Yongqiang Yu, Ren Zhao, and Xiaohu Li*
- 486 Right Ventricular Remodeling Assessed by MRI in Duchenne Muscular Dystrophy**  
*Nicholas K. Brown, Haben Berhane, Katheryn Gambetta, Michael Markl, Cynthia K. Rigsby, Joshua D. Robinson, and Nazia Husain*
- 496 Highly Accelerated Compressed-Sensing 4D Flow for Intracardiac Flow Assessment**  
*Akos Varga-Szemes, Moritz Halfmann, U. Joseph Schoepf, Ning Jin, Anton Kilburg, Danielle M. Dargis, Christoph Düber, Amir Ese, Gilberto Aquino, Fei Xiong, Karl-Friedrich Kreitner, Michael Markl, and Tilman Emrich*
- Editorial** **508 Editorial for "Highly Accelerated Compressed Sensing 4D Flow for Intracardiac Flow Assessment"**  
*Yoko Kato, Susumu Tao, and Joao A. C. Lima*
- Head and Neck** **510 Functional and Morphological Brain Alterations in Dysthyroid Optic Neuropathy: A Combined Resting-State fMRI and Voxel-Based Morphometry Study**  
*Hongyu Wu, Ban Luo, Qiuxia Wang, Yali Zhao, Gang Yuan, Ping Liu, Linhan Zhai, Wenzhi Lv, and Jing Zhang*
- Editorial** **518 Editorial for "Functional and Morphological Brain Alterations in Dysthyroid Optic Neuropathy: A Combined Resting-State fMRI and Voxel-Based Morphometry Study"**  
*Elza Azri Othman*
- 520 An MRI-Based Radiomics Nomogram to Assess Recurrence Risk in Sinonasal Malignant Tumors**  
*Tongyu Wang, Jingwei Hao, Aixin Gao, Peng Zhang, Hexiang Wang, Pei Nie, Yan Jiang, Shucheng Bi, Shunli Liu, and Dapeng Hao*
- Editorial** **532 Editorial for "An MRI-Based Radiomics Nomogram to Assess Recurrence Risk in Sinonasal Malignant Tumors"**  
*Houchun Harry Hu*
- Musculoskeletal** **534 MRI Fat-Saturated T2-Weighted Radiomics Model for Identifying the Ki-67 Index of Soft Tissue Sarcomas**  
*Yang Yang, Liyuan Zhang, Ting Wang, Zhiyuan Jiang, Qingqing Li, Yinghua Wu, Zhen Cai, and Xi Chen*
- Editorial** **546 Editorial for "MRI Fat-Saturated T2-Weighted Radiomics Model for Identifying the Ki-67 Index of Soft Tissue Sarcomas"**  
*Nicolau Beckmann*
- 548 The Relationship Between Quadriceps Femoris Muscle Function and MRI-Derived Water Diffusion and Adipose Tissue Measurements in Young Healthy Males**  
*Koun Yamauchi, Keita Someya, Chisato Kato, and Takayuki Kato*
- Editorial** **557 Editorial for "The Relationship Between Quadriceps Femoris Muscle Function and MRI-Derived Water Diffusion and Adipose Tissue Measurements in Young Healthy Males"**  
*Tamotsu Kamishima*
- 559 Deep-Learning-Based Contrast Synthesis From MRF Parameter Maps in the Knee Joint**  
*Olli Nykänen, Mika Nevalainen, Victor Casula, Antti Isosalo, Satu I. Inkinen, Marko Nikki, Riccardo Lattanzi, Martijn A. Cloos, Mikko J. Nissi, and Miika T. Nieminen*
- Editorial** **569 Editorial for "Deep-Learning-Based Contrast Synthesis From MRF Parameter Maps in the Knee Joint"**  
*Anup Singh*
- Neuro** **571 MRI Assessment of the Relationship Between Cortical Morphological Features and Hemiparetic Motor-Related Outcomes in Chronic Subcortical Stroke Patients**  
*Wenjun Hong, Xin Zhang, Zaixing Liu, Ming Li, Zhixuan Yu, Guanchun Zhao, Yuxin Wang, Cuiyun Sun, Bo Yang, Rong Xu, and Zhiyong Zhao*
- 581 Relationship Between Iron Distribution in Deep Gray Matter Nuclei Measured by Quantitative Susceptibility Mapping and Motor Outcome After Deep Brain Stimulation in Patients With Parkinson's Disease**  
*Weiwei Zhao, Chunhui Yang, Rui Tong, Luguang Chen, Mengying Chen, Kelly M. Gillen, Gaiying Li, Chao Ma, Yi Wang, Xi Wu, and Jianqi Li*

<i>Editorial</i>	591	<b>Editorial for "Relationship Between Iron Distribution in Deep Gray Matter Nuclei Measured by Quantitative Susceptibility Mapping and Motor Outcome After Deep Brain Stimulation in Patients With Parkinson's Disease"</b> <i>David G. Gobbi</i>
	593	<b>MRI Assessment of Cerebral Blood Flow in Nonhospitalized Adults Who Self-Isolated Due to COVID-19</b> <i>William S. H. Kim, Xiang Ji, Eugenie Roudaia, J. Jean Chen, Asaf Gilboa, Allison Sekuler, Fuqiang Gao, Zhongmin Lin, Aravinthan Jegatheesan, Mario Masellis, Maged Goubbran, Jennifer S. Rabin, Benjamin Lam, Ivy Cheng, Robert Fowler, Chris Heyn, Sandra E. Black, Simon J. Graham, and Bradley J. MacIntosh</i>
<i>Editorial</i>	603	<b>Editorial for "MRI Assessment of Cerebral Blood Flow in Nonhospitalized Adults Who Self-Isolated Due to COVID-19"</b> <i>Jan Petr and Vera C. Keil</i>
<i>Pediatrics</i>	605	<b>Development of an MRI-Based Radiomics-Clinical Model to Diagnose Liver Fibrosis Secondary to Pancreaticobiliary Maljunction in Children</b> <i>Yang Yang, Xinxian Zhang, Lian Zhao, Huimin Mao, Tian-na Cai, and Wan-liang Guo</i>
<i>Editorial</i>	618	<b>Editorial for "Development of an MRI-Based Radiomics-Clinical Model to Diagnose Liver Fibrosis Secondary to Pancreaticobiliary Maljunction in Children"</b> <i>Michael R. Torkzad and Dow-Mu Koh</i>
<i>Pelvis</i>	620	<b>A Faster Prostate MRI: Comparing a Novel Denoised, Single-Average T<sub>2</sub> Sequence to the Conventional Multiaverage T<sub>2</sub> Sequence Regarding Lesion Detection and PI-RADS Score Assessment</b> <i>Colm B. Kelleher, Jacob Macdonald, Tracy A. Jaffe, Brian C. Allen, Kevin R. Kalisz, Travis H. Kauffman, Jordan D. Smith, Kimberly R. Maurer, Sarah P. Thomas, Aaron D. Coleman, Islam H. Zaki, Stephan Kannengiesser, Kyle Lafata, Rajan T. Gupta, and Mustafa R. Bashir</i>
	630	<b>Correlation of Intravoxel Incoherent Motion and Diffusion Kurtosis MR Imaging Models With Reactive Stromal Grade in Prostate Cancer</b> <i>Zhiqing Duan, Shaobo Fang, Jiawei Hu, Juan Tao, Kai Zhang, Xiyang Deng, Shaowu Wang, and Yajie Liu</i>
<i>Editorial</i>	640	<b>Editorial for "Correlation of Intravoxel Incoherent Motion and Diffusion Kurtosis MR Imaging Models With Reactive Stromal Grade in Prostate Cancer"</b> <i>Weiguo Li, Frederick Damen, and Samdeep K. Mouli</i>
<i>Technical</i>	642	<b>Psychophysical Evaluation of Visual vs. Computer-Aided Detection of Brain Lesions on Magnetic Resonance Images</b> <i>Chen Solomon, Omer Shmueli, Shai Shrot, Tamar Blumenfeld-Katzir, Dvir Radunsky, Noam Omer, Neta Stern, Dominique Ben-Ami Reichman, Chen Hoffmann, Moti Salti, Hayit Greenspan, and Noam Ben-Eliezer</i>
<i>Editorial</i>	650	<b>Editorial for "Psychophysical Evaluation of Visual vs. Computer Aided Detection of Brain Lesions on Magnetic Resonance Images"</b> <i>Paloma Puyalto</i>
<i>Whole body</i>	652	<b>Assessing Tissue Hydration Dynamics Based on Water/Fat Separated MRI</b> <i>Markus Karlsson, Ainhua Indurain, Thobias Romu, Patrik Tunon, Mårten Segelmark, Fredrik Uhlin, Anders Fernström, and Olof Dahlqvist Leinhard</i>
<i>Editorial</i>	661	<b>Editorial for "Assessing Tissue Hydration Dynamics Based on Water/Fat Separated MRI"</b> <i>Anthony G. Christodoulou</i>
<b>Letter to the Editor</b>	663	<b>Effect of General Anesthesia on Cerebral Blood Flow Measured by Arterial Spin Labeling: A Retrospective Study</b> <i>Monika Huhndorf, Christine Eimer, Tobias Becher, Hajrullah Ahmeti, Olav Jansen, Michael Synowitz, Michael Helle, Stephan Ulmer, and Thomas Lindner</i>