

Review

- 9 **Optimizing Cine Cardiac MRI: Technical Advances and Clinical Applications**
Sadegh Dehghani, Ali Rajabi, Amirhossein Rahmati and Negar Omid
- 30 **Bone Magnetic Resonance Imaging: From Conventional Methods to AI-Driven Solutions**
Yi He, Rahman Ud Din, Lieve Morbée and Haisheng Yang

Research Article

Pelvis

- 55 **Comparing Radiologist Performance in Diagnosing Clinically Significant Prostate Cancer With Biparametric Versus Size-Selective Diffusion MRI**
Hao Cheng, Jie Lu, Ming Liu, Wei Zhang, Jinxia Zhu, Min Chen, Dan Wu and Chunmei Li
- 67 **Risk Stratification Based on Imaging Findings for Pregnancies With Subamniotic or Subchorionic Hematoma on Placental MRI**
Kumi Harada, Yuki Himoto, Yoshitsugu Chigusa, Seiichi Tomotaki, Yasuhisa Kurata, Atsushi Yoshida, Yuriko Muramatsu, Yu Hidaka, Satoshi Morita, Yuka Kuriyama Matsumoto, Aki Kido, Mitsuhiro Kirita, Sachiko Minamiguchi, Masaki Mandai and Yuji Nakamoto
- 77 **The Performance of MR Cytometry Imaging in Differentiating High- and Low-Grade Bladder Cancer**
Li Chen, Chaoyang Jin, Erjia Guo, Fan Liu, Yuming Wang, Jinxia Zhu, Xiaoxiao Zhang, Jiahui Zhang, Zihao Xu, Xin Bai, Yongfei Wu, Zipei Tan, Xiaoyu Jiang, Thorsten Feiweier, Zhengyu Jin, Junzhong Xu, Hua Guo, Gumuyang Zhang, Huadan Xue, Diwei Shi and Hao Sun

Editorial

- 88 **Editorial for “The Performance of MR Cytometry Imaging in Differentiating High- and Low-Grade Bladder Cancer”**
Abdul Nashirudeen Mumuni

Musculoskeletal

- 90 **Clinical Feasibility of Deep Learning Contrast Synthesis From MR Fingerprinting in Knee Osteoarthritis**
Mika T. Nevalainen, Olli Nykänen, Jyri Järvinen, Antti Kempainen, Lasse Räsänen, Victor Casula, Martijn Cloos, Riccardo Lattanzi, Mikko J. Nissi and Miika T. Nieminen

Editorial

- 110 **Editorial for “Clinical Feasibility of Deep Learning Contrast Synthesis From MR Fingerprinting in Knee Osteoarthritis”**
Tamotsu Kamishima

Cardiac

- 112 **Combination of Left Atrial and Left Ventricular Strain for Predicting Outcomes in End-Stage Renal Disease: An Approach to Risk Stratification**
You-Qi Liu, Tian-Yi Zhang, Yue Cai, Hang Zhou, Lian-Ming Wu, Ren-Hua Lu, Wei Fang, Qin Wang, Hao Yan, Yao Xu, Jia-Ying Huang, Hai-Jiao Jin, Jian-Xiao Shen, Yin Zhou, Dong-Aolei An, Liang Ying and Shan Mou
- 124 **Incremental Prognostic Value of Pericardial Adipose Tissue Radiomic Phenotype Based on Cardiac MRI in Patients With End-Stage Renal Disease**
Tian-yi Zhang, Youqi Liu, Shuai-zheng Chen, Lian-Ming Wu, Jun Pu, Yao Xu, Xiao-qian Yang, Qisheng Lin, Binghua Chen, Qin Wang, Wei Fang, Renhua Lu, Hong Cai, Jiayi Yan, Haijiao Jin, Chaolu Feng, Dong-aolei An and Shan Mou

Editorial

- 136 **Detection of Coronary Microvascular Dysfunction in Diabetic Mice Using Arterial Spin Labeling Cardiac MRI: A Multimodality Imaging Comparison**
Qinfang Miao, Yefei Shi, Bo Li, Rui Luo, Ke Yang, Hongzhang Huang, Kadierya Yibulayin, Guanye Yu, Wenhui Peng, Jing Tian, Weixia Jian and Haikun Qi
- 151 **Editorial for “Detection of Coronary Microvascular Dysfunction in Diabetic Mice Using Arterial Spin Labeling Cardiac MRI: A Multimodality Imaging Comparison”**
Cian M. Scannell and Robert J. Holtackers
- 153 **Large Language Models for Cardiac MRI Diagnosis Based on Standardized Text Descriptions**
Hongbo Zhang, Junjie Zhou, Chen Zhang, Guanyu Lu, Zhihui Lu, Lanling Wang, Lili Wang, Huiwen Gong, Lei Zhao and Xiaohai Ma

<i>Editorial</i>	166	Editorial for “Large Language Models for Cardiac MRI Diagnosis Based on Standardized Text Descriptions” <i>Mohammad Abd Alkhalik Basha and Mohamed M. A. Zaitoun</i>
Neuro	168	Improved BG-PVS Quantification in Infant Brain MRI Using Anatomy-Informed Pseudo-Labels for Joint BG and PVS Segmentation <i>Junghwa Kang, Dayeon Bak, Na-young Shin, Hyun Gi Kim and Yoonho Nam</i>
	184	A Comparative Study of IVIM-MRI Fitting Techniques in Glioma Grading: Conventional, Bayesian, and Voxel-Wise and Spatially-Aware Deep Learning Approaches <i>Misha P. T. Kaandorp, Andras Jakab, Christian Federau and Peter T. While</i>
	201	Comparison of Myeloarchitectonic Feature Recognition of the Primary Visual Cortex at 7 T Relative to 3 T MRI <i>Sergio Valencia, Emil Barkovich, Fedel Machado-Rivas, Phillip L. Pearl, Simon K. Warfield, Onur Afacan and Camilo Jaimes</i>
	209	A MR Fingerprinting Development Kit for Quantitative 3D Brain Imaging <i>Rasim Boyacioglu, Thomas Kluge, Guido Buonincontri, Wei-Ching Lo, Stephan Kannengiesser, Mathias Nittka, Arashdeep Kaur, Andrew Dupuis, Dan Ma, Chaitra Badve, Mark A. Griswold and Yong Chen</i>
	218	T2-Weighted T1 Mapping and Automated Segmentation of CSF: Assessment of Solute Gradients in the Healthy Brain <i>Trygve Holck Storås, Sofie Lysholm Lian, Ingrid Mossige, Jørgen Riseth, Siri Fløgstad Svensson, Grethe Løvland, Geir Ringstad, Kent-André Mardal, Kyrre Eeg Emblem and Kaja Nordengen</i>
	228	Exploring White Matter Microstructural Abnormalities Using MRI in Women With Premenstrual Dysphoric Disorder via Brain Connectome <i>Shuxian Niu, Tao Gong, Yifan Niu, Dongmei Gao, Xiaoqin Liu, Mingzhou Gao, Meijin Lin and Guangbin Wang</i>
	239	Radiogenomics in Leptomeningeal Metastasis of Lung Adenocarcinoma: MRI Patterns and Survival Outcomes Following Ommaya Reservoir Chemotherapy <i>Yi-zhen Jia, Yan Zhong, Wen-hui Shen, Teng Zhang, Wen Gao, Shen-cun Fang and Mei Yuan</i>
<i>Editorial</i>	249	Editorial for “Radiogenomics in Leptomeningeal Metastasis of Lung Adenocarcinoma: MRI Patterns and Survival Outcomes Following Ommaya Reservoir Chemotherapy” <i>Marrissa J. McIntosh and Alex Kiu</i>
	251	Ultrashort Echo Time Magnetization Transfer MR Imaging of Lumbar Nerve Roots in Patients With Disc Herniation <i>Jin Liu, Jiaxin Feng, Wei Li, Zhihai Su, Xiaoling Liang, Hai Lu, Le Qin, Yong Lu, Shaolin Li and Yajun Ma</i>
<i>Editorial</i>	262	Editorial “Ultrashort Echo Time Magnetization Transfer MR Imaging of Lumbar Nerve Roots in Patients With Disc Herniation” <i>Surendra Maharjan and Lidia Glodzik</i>
<i>Editorial</i>	264	Editorial for “Diffusion Relaxation—Correlated Spectroscopic MR Imaging for in Vivo Tumor Heterogeneity and Lymph Node Metastasis Prediction in Oral Tongue Squamous Cell Carcinoma” <i>Jiucen Liang and Linqi Zhang</i>
Chest	266	Benchmarking Hybrid CNN-Transformer Versus Pure Transformer Architectures for Accelerated Hyperpolarized ¹²⁹Xe MRI Reconstruction <i>Ramtin Babaeipour, Matthew S. Fox, Grace Parraga and Alexei Ouriadov</i>
<i>Editorial</i>	281	Editorial for “Benchmarking Hybrid CNN-Transformer Versus Pure Transformer Architectures for Accelerated Hyperpolarized ¹²⁹Xe MRI Reconstruction” <i>Michael L. Wood, Brandon Zanette and Giles Santyr</i>
Abdomen	283	Exploratory 4D Flow MRI Study of Portal Venous Rotational Flow for High-Risk Esophageal Varices in Cirrhosis <i>Sungho Park, Chung Man Moon, Minseong Kwon, Suk Hee Heo, Yun Young Lee, Mun Young Paek, Sun Young Park, Jae Hyun Yoon, Sang Soo Shin and Hyungkyu Huh</i>

Editorial

- 294 **MR Elastography in Diabetic Rats: Assessing Glomerular Hyperfiltration, Dapagliflozin Therapy Response, and Early Diabetic Nephropathy**
Wenjuan Li, Ruobing Bai, Xia Gao, Chengli Gu, Heng Ma, Aoran Yang, Chunli Li, Hao Guo, Ning Mao, Kai Wang, Xiaorui Jiang, Xin Zhang, Minghui Zhou, Chen Pan, Ming Sun, Yanan Ma and Yu Shi
- 306 **Chronic Liver Disease: Assessing Inflammation and Fibrosis Using Three-Dimensional MR Elastography With Same-Day Biopsy in a Prospective Cohort**
Shan Cai, Christian Simonsson, Markus Karlsson, Wile Balkhed, Jens Tellman, Simone Ignatova, Patrik Nasr, Mattias Ekstedt, Stergios Kechagias, Wolf C. Bartholomä, Nils Dahlström and Peter Lundberg
- 320 **Editorial for “Chronic Liver Disease: Assessing Inflammation and Fibrosis Using Three-Dimensional MR Elastography With Same-Day Biopsy in a Prospective Cohort”**
Gwenaël Pagé