

Reviews

- 1886 The Role of Whole-Body MRI in Pediatric Musculoskeletal Oncology: Current Concepts and Clinical Applications**
Júlio Brandão Guimarães, Isabela Azevedo Nicodemos da Cruz, Shivani Ahlawat, Alípio Gomes Ormond Filho, Marcelo Astolfi Caetano Nico, Henrique Manoel Lederman, and Laura Marie Fayad
- 1902 Advanced MRI Approaches for Evaluating Common Lower Extremity Injuries in Basketball Players: Current and Emerging Techniques**
Elka B. Rubin, Andrew M. Schmidt, Matthew F. Koff, Feliks Kogan, Kenneth Gao, Sharmila Majumdar, Hollis Potter, and Garry E. Gold
- 1914 Value of Quantitative Susceptibility Mapping in Clinical Neuroradiology**
Yasutaka Fushimi, Satoshi Nakajima, Akihiko Sakata, Sachi Okuchi, Sayo Otani, and Yuji Nakamoto
- 1930 Picture Perfect: The Status of Image Quality in Prostate MRI**
Alexandre Woernle, Cameron Engman, Louise Dickinson, Alex Kirkham, Shonit Punwani, Aiman Haider, Alex Freeman, Veeru Kasivisanathan, Mark Emberton, John Hines, Caroline M. Moore, Clare Allen, and Francesco Giganti

Research Articles

Thoracic

- 1953 Multicenter Standardization of Phase-Resolved Functional Lung MRI in Patients With Suspected Chronic Thromboembolic Pulmonary Hypertension**
Tawfik Moher Alsady, Andreas Voskrebenezev, Lea Behrendt, Karen Olsson, Claus Peter Heußel, Ekkehard Gruenig, Henning Gall, Ardeschir Ghofrani, Fritz Roller, Sebastian Harth, Helen Marshall, Paul J.C. Hughes, Jim Wild, Andrew J. Swift, David G. Kiely, Jürgen Behr, Julien Dinkel, Dietrich Beitzke, Irene M. Lang, Kai Helge Schmidt, Karl Friedrich Kreitner, Thomas Frauenfelder, Silvia Ulrich, Okka W. Hamer, and Jens Vogel-Claussen

Editorial

- 1965 Editorial for "Multicenter Standardization of Phase-Resolved Functional Lung MRI in Patients With Suspected Chronic Thromboembolic Pulmonary Hypertension"**
Hideki Ota and Satoshi Higuchi

Head and Neck

- 1967 Federated Learning: A Cross-Institutional Feasibility Study of Deep Learning Based Intracranial Tumor Delineation Framework for Stereotactic Radiosurgery**
Wei-Kai Lee, Jia-Sheng Hong, Yi-Hui Lin, Yung-Fa Lu, Ying-Yi Hsu, Cheng-Chia Lee, Huai-Che Yang, Chih-Chun Wu, Chia-Feng Lu, Ming-His Sun, Hung-Chuan Pan, Hsiu-Mei Wu, Wen-Yuh Chung, Wan-Yuo Guo, Weir-Chiang You, and Yu-Te Wu
- 1976 Matted Lymph Nodes on MRI in Nasopharyngeal Carcinoma: Prognostic Factor and Potential Indication for Induction Chemotherapy Benefits**
Annan Dong, Siyu Zhu, Huali Ma, Xiaoyu Wei, Wenjie Huang, Guangying Ruan, Lizhi Liu, Yunxian Mo, and Fei Ai
- 1991 Assessing the Accuracy and Reproducibility of PARIETAL: A Deep Learning Brain Extraction Algorithm**
Sergi Valverde, Lluçia Coll, Liliàna Valencia, Albert Clèrigues, Arnau Oliver, Joan C. Vilanova, Lluís Ramió-Torrentà, Àlex Rovira, and Xavier Lladó

Editorial

- 2001 Assessment of Complex Flow Patterns in Patients With Carotid Webs, Patients With Carotid Atherosclerosis, and Healthy Subjects Using 4D Flow MRI**
Retta El Sayed, Charlie C. Park, Zahraw Shah, Fadi B. Nahab, Diogo C. Haussen, Jason W. Allen, and John N. Oshinski
- 2011 Editorial for "Assessment of Complex Flow Patterns in Patients With Carotid Webs, Patients With Carotid Atherosclerosis, and Healthy Subjects Using 4D Flow MRI"**
Martin R. Prince

Safety

- 2013 Relationship Between Patient-Friendly Audiovisual Systems and MRI Contrast Agent to Adverse Reactions**
Keisuke Nitta, Koji Matsumoto, Hajime Yokota, Taisuke Murata, Yoshitada Masuda, and Takashi Uno

- Editorial** 2021 **Editorial for "Relationship Between Patient-Friendly Audiovisual Systems and MRI Contrast Agent to Adverse Reactions"**
Lu Mao
- Musculoskeletal** 2023 **Assessment of Hidden Blood Loss in Spinal Metastasis Surgery: A Comprehensive Approach with MRI-Based Radiomics Models**
Weili Zhao, Siyuan Qin, Qizheng Wang, Yongye Chen, Ke Liu, Peijin Xin, and Ning Lang
- Editorial** 2023 **Editorial for "Assessment of Hidden Blood Loss in Spinal Metastasis Surgery: A Comprehensive Approach with MRI-Based Radiomics Models"**
Jason Yao and Christian B. van der Pol
- 2035 **Quantitative Analysis of Whole-Body MRI for Accessing the Degree of Diffuse Infiltration Patterns and Identifying High Risk Cases of Newly Diagnosed Multiple Myeloma**
Mengtian Sun, Linlin Wang, Chong Wang, Jie Ma, Weimin Wang, Liangjie Lin, Cuiping Ren, Yong Zhang, and Jingliang Cheng
- Editorial** 2046 **Editorial for "Quantitative Analysis of Whole-Body MRI for Accessing the Degree of Diffuse Infiltration Patterns and Identifying High Risk Cases of Newly Diagnosed Multiple Myeloma"**
Che Ahmad Azlan and Mohammad Nazri Md Shah
- 2048 **Comparing the Effect of Mechanical Loading on Deep and Superficial Cartilage Using Quantitative UTE MRI**
Hanqi Wang, Zhihui Li, Qing Li, Stefan Sommer, Tongtong Chen, Yao Sun, Hongjiang Wei, Fuhua Yan, and Yong Lu
- Editorial** 2058 **Editorial for "Comparing the Effect of Mechanical Loading on Deep and Superficial Cartilage Using Quantitative UTE MRI"**
Pattira Boonsri, Teeranan Laohawiriyakamol, and Pramot Tanutit
- Abdomen** 2060 **Hepatic Steatosis Has No Effect in Diagnosis Accuracy of LI-RADS v2018 Categorization of Hepatocellular Carcinoma in MR Imaging**
Shan Yao, Yi Wei, Zheng Ye, Jie Chen, Ting Duan, Zhen Zhang, and Bin Song
- 2071 **Evaluation and Prognostication of Gd-EOB-DTPA MRI and CT in Patients With Macrotrabecular-Massive Hepatocellular Carcinoma**
Jie Cheng, Xiaofeng Li, Limei Wang, Fengxi Chen, Yiman Li, Guojiao Zuo, Mi Pei, Huarong Zhang, Linze Yu, Chen Liu, Jian Wang, Qi Han, Ping Cai, and Xiaoming Li
- 2082 **The Use of Diffusion Tensor Imaging in the Identification of Acute Rejection and Chronic Allograft Nephropathy After Renal Transplantation**
Bin Jiang, Yixing Yu, Jiayi Wan, Rui Xu, Jiali Ma, Yangyang Tian, Linkun Hu, Peng Wu, Chunhong Hu, and Mo Zhu
- Editorial** 2089 **Editorial for "The Use of Diffusion Tensor Imaging in the Identification of Acute Rejection and Chronic Allograft Nephropathy After Renal Transplantation"**
Thierry Metens
- Technical** 2091 **Quantitative Assessment of Peripheral Oxidative Metabolism With a New Dynamic ¹H MRI Technique: A Pilot Study in People With and Without Diabetes Mellitus**
Ryan Wahidi, Yi Zhang, Ran Li, Jiadi Xu, Mohamed A. Zayed, Mary K. Hastings, and Jie Zheng
- 2101 **Detecting Adverse Pathology of Prostate Cancer With a Deep Learning Approach Based on a 3D Swin-Transformer Model and Biparametric MRI: A Multicenter Retrospective Study**
Litao Zhao, Jie Bao, Ximing Wang, Xiaomeng Qiao, Junkang Shen, Yueyue Zhang, Pengfei Jin, Yanting Ji, Ji Zhang, Yueting Su, Libiao Ji, Zhenkai Li, Jian Lu, Chunhong Hu, Hailin Shen, Jie Tian, and Jiangang Liu
- Editorial** 2113 **Editorial for "Detecting Adverse Pathology of Prostate Cancer With a Deep Learning Approach Based on a 3D Swin-Transformer Model and Biparametric MRI: A Multicenter Retrospective Study"**
Nuno Adubeiro and Maria Luisa Nogueira
- Neuro** 2115 **Three-Dimensional Fast Spin Echo Pituitary MRI in Treatment-Naïve Cushing's Disease: Reduced Impact of Reader Experience and Increased Diagnostic Accuracy**
Zeyu Liu, Bo Hou, Hui You, Lin Lu, Lian Duan, Mingli Li, Xiaoyuan Fan, Kan Deng, Yong Yao, Huijuan Zhu, and Feng Feng

- 2124 **Functional Connectome Hierarchy Distortions in Female Nurses With Occupational Burnout and Its Gene Expression Signatures**
Yingying Shang, Qian Su, Rong Ma, Miao Chen, Ziyang Zhao, Chaofan Yao, Lin Han, Zhijun Yao, and Bin Hu
- 2137 **Probing Evidence of Cerebral White Matter Microstructural Disruptions in Ischemic Heart Disease Before and Following Cardiac Rehabilitation: A Diffusion Tensor MR Imaging Study**
Stefan E. Poirier, Neville G. Suskin, Alexander V. Khaw, Jonathan D. Thiessen, Joel K. Shoemaker, and Udunna C. Anazodo
- Editorial** 2150 **Editorial for "Probing Evidence of Cerebral White Matter Microstructural Disruptions in Ischemic Heart Disease Before and Following Cardiac Rehabilitation: A Diffusion Tensor MR Imaging Study"**
Kei Yamada
- 2152 **Gray Matter Changes Following Mild COVID-19: An MR Morphometric Study in Healthy Young People**
Gábor Perlaki, Gergely Darnai, Ákos Arató, Husamaldin Ali Alhour, Anna Szente, Eszter Áfra, Szilvia Anett Nagy, Réka Horváth, Norbert Kovács, Tamás Dóczi, Gergely Orsi, and József Janszky
- Editorial** 2162 **Editorial for "Gray Matter Changes Following Mild COVID-19: An MR Morphometric Study in Healthy Young People"**
Cristian Montalba
- 2164 **Evaluating the Impact of Intracranial Volume Correction Approaches on the Quantification of Intracranial Structures in MRI: A Systematic Analysis**
Minqi Hu, Yunxia Lou, Caiting Zhu, Jiachen Chen, Shizhou Liu, Yongfeng Liang, Shuwei Liu, and Yuchun Tang
- Editorial** 2178 **Editorial for "Evaluating the Impact of Intracranial Volume Correction Approaches on the Quantification of Intracranial Structures: A Systematic Analysis"**
Tetsuya Yamamoto and Tomohisa Okada
- 2180 **MR Neurography and Quantitative Muscle MRI of Parsonage Turner Syndrome Involving the Long Thoracic Nerve**
Jonathan Morena, Ek T. Tan, Gracyn J. Campbell, Pravjit Bhatti, Qian Li, Christian S. Geannette, Yenpo Lin, Carlo J. Milani, and Darryl B. Sneag
- Editorial** 2190 **Editorial for "MR Neurography and Quantitative Muscle MRI of Parsonage Turner Syndrome Involving the Long Thoracic Nerve"**
Tamotsu Kamishima
- 2192 **Longitudinal Metabolite Changes in Progressive Multiple Sclerosis: A Study of 3 Potential Neuroprotective Treatments**
Nevin A. John, Bhavana S. Solanky, Floriana De Angelis, Richard A. Parker, Christopher J. Weir, Jonathan Stutters, Ferran Prados Carrasco, Torben Schneider, Anisha Doshi, Alberto Calvi, Thomas Williams, Domenico Plantone, Anita Monteverdi, David MacManus, Ian Marshall, Frederik Barkhof, Claudia A. M. Gandini Wheeler-Kingshott, and Jeremy Chataway, for the MS-SMART Investigators
- Editorial** 2202 **Editorial for "Longitudinal Metabolite Changes in Progressive Multiple Sclerosis: A Study of 3 Potential Neuroprotective Treatments"**
Debra E. Hornig
- Pelvis** 2204 **Molecular MR Imaging of Prostate Cancer by Specified Iron Oxide Nanoparticles With PSMA-11 Peptides: A Preclinical Study**
Farzaneh Ghorbani, Behzad Aminzadeh, Nahid Borji, Samaneh Soudmand, and Alireza Montazerabadi
- 2215 **Deep Learning-Based T2-Weighted MR Image Quality Assessment and Its Impact on Prostate Cancer Detection Rates**
Yue Lin, Mason J. Belue, Enis C. Yilmaz, Stephanie A. Harmon, Julie An, Yan Mee Law, Lindsey Hazen, Charisse Garcia, Katie M. Merriman, Tim E. Phelps, Nathan S. Lay, Antoun Toubaji, Maria J. Merino, Bradford J. Wood, Sandeep Gurram, Peter L. Choyke, Peter A. Pinto, and Baris Turkbey
- Editorial** 2224 **Editorial for "Deep Learning-Based T2-Weighted MR Image Quality Assessment and Its Impact on Prostate Cancer Detection Rates"**
Sahar Soleimani

- Breast**
- 2226 Multisite MRI Intravoxel Incoherent Motion Repeatability and Reproducibility across 3 T Scanners in a Breast Diffusion Phantom: A BReast Intravoxel Incoherent Motion Multisite (BRIMM) Study**
Dibash Basukala, Artem Mikheev, Varadan Sevilimedu, Nima Gilani, Linda Moy, Katja Pinker, Sunitha B. Thakur, and Eric E. Sigmund
- 2238 Assessment of Lymphovascular Invasion in Breast Cancer Using a Combined MRI Morphological Features, Radiomics, and Deep Learning Approach Based on Dynamic Contrast-Enhanced MRI**
Xiuqi Yang, Xiaohong Fan, Shanyue Lin, Yingjun Zhou, Haibo Liu, Xuefei Wang, Zhichao Zuo, and Ying Zeng
- Editorial**
- 2250 Editorial for "Assessment of Lymphovascular Invasion in Breast Cancer Using a Combined MRI Morphological Features, Radiomics, and Deep Learning Approach Based on Dynamic Contrast-Enhanced MRI"**
Glen R. Morrell
- 2252 3D Breast Cancer Segmentation in DCE-MRI Using Deep Learning With Weak Annotation**
Ga Eun Park, Sung Hun Kim, Yoonho Nam, Junghwa Kang, Minjeong Park, and Bong Joo Kang
- Editorial**
- 2263 Editorial for "3D Breast Cancer Segmentation in DCE-MRI Using Deep Learning With Weak Annotation"**
Luísa Nogueira, Nuno Adubeiro, and Rita G. Nunes
- Cardiac**
- 2265 Territorial Post-Revascularization Remodeling of Chronic Coronary Syndromes: Cardiac Magnetic Resonance Feature Tracking Study**
Mohamed M. Elzoghby, Mai M. A. Salama, Mohamed A. Elsetiha, Hanan M. El_Ahwal, Soha A. Romeih, Mahmoud N. Shaaban, and Wesam E. Elmozy
- 2275 Assessment of the Prognostic Value of MRI Left Ventricular Global Function Index (LVGFI) in Patients With End-Stage Renal Disease Under Maintenance Dialysis**
Tian-yi Zhang, Dong-aolei An, Yan Fang, Hang Zhou, Hao Yan, Binghua Chen, Renhua Lu, Wei Fang, Qin Wang, Xiajing Che, Yao Xu, Jiaying Huang, Haijiao Jin, Jianxiao Shen, Shan Mou, and Lian-Ming Wu
- Editorial**
- 2287 Editorial for "Assessment of the Prognostic Value of MRI Left Ventricular Global Function Index (LVGFI) in Patients with End-Stage Renal Disease Under Maintenance Dialysis"**
Kelsey Gardiner, Eleanor Rye, and Sara L. Hungerford