

Review Article

1487 Techniques and Applications of in vivo Diffusion Imaging of Articular Cartilage

José G. Raya

Original Research

Cardiac

1505 Noncontrast Myocardial T₁ Mapping Using Cardiovascular Magnetic Resonance for Iron Overload

Daniel M. Sado, Viviana Maestrini, Stefan K. Piechnik, Sanjay M. Banypersad, Steven K. White, Andrew S. Flett, Matthew D. Robson, Stefan Neubauer, Cono Ariti, Andrew Arai, Peter Kellman, Jin Yamamura, Bjoern P. Schoennagel, Farrukh Shah, Bernard Davis, Sara Trompeter, Malcolm Walker, John Porter, and James C. Moon

1512 Characterization and Improved Quantification of Left Ventricular Inflow Using Streamline Visualization With 4DFlow MRI in Healthy Controls and Patients After Atrioventricular Septal Defect Correction

Emmeline E. Calkoen, Arno A.W. Roest, Lucia J.M. Kroft, Rob J. van der Geest, Monique R.M. Jongbloed, Pieter J. van den Boogaard, Nico A. Blom, Mark G. Hazekamp, Albert de Roos, and Jos J.M. Westenberg

Technical Note

Cardiac

1521 Manifold Learning Based ECG-Free Free-Breathing Cardiac CINE MRI

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1528 Early Response to Chemoradiotherapy for Nasopharyngeal Carcinoma Treatment: Value of Dynamic Contrast-Enhanced 3.0 T MRI

Dechun Zheng, Yunbin Chen, Xiangyi Liu, Ying Chen, Luying Xu, Wang Ren, Weibo Chen, and Queenie Chan

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1541 Diffusion Tensor Imaging Assesses Triceps Surae Dysfunction After Achilles Tenotomy in Rats

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1549 Scoring Hip Osteoarthritis with MRI (SHOMRI): A Whole Joint Osteoarthritis Evaluation System

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1558 Automatic and Quantitative Assessment of Regional Muscle Volume by Multi-Atlas Segmentation Using Whole-Body Water-Fat MRI

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1570 Knee Implant Imaging at 3 Tesla Using High-Bandwidth Radiofrequency Pulses

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Musculoskeletal

1581 In Vivo Imaging of the Time-Dependent Apparent Diffusional Kurtosis in the Human Calf Muscle

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1591 Cerebral Blood Flow Measurements in Infants Using Look-Locker Arterial Spin Labeling

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- Abdomen**
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- 1654 Noninvasive, In Vivo Determination of Uterine Fibroid Thermal Conductivity in MRI-Guided High Intensity Focused Ultrasound Therapy**
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1695 Artifactual Microhemorrhage Generated by Susceptibility Weighted Image Processing

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Original Research

Thoracic

1701 Differences in Hyperpolarized ^3He Ventilation Imaging After 4 Years in Adults With Cystic Fibrosis

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Thoracic

1708 Oxygen Enhanced Lung MRI by Simultaneous Measurement of T_1 and T_2^* During Free Breathing Using Ultrashort TE

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1715 Physics of Clinical MR Taught Through Images, Third Edition by Val M. Runge, Wolfgang R. Nitz, Miguel Trelles, and Frank L. Goerner

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