

Reviews

- CME** 249 **Advanced MRI in Malignant Neoplasms of the Uterus**
Aki Kido, Koji Fujimoto, Tomohisa Okada, and Kaori Togashi
- CME** 265 **MRI of Ovarian Masses**
Hebert Alberto Vargas, Tristan Barrett, and Evis Sala
- CME** 282 **Functional MRI of the Kidneys**
Jeff L. Zhang, Henry Rusinek, Hersh Chandarana, and Vivian S. Lee
- 294 **Neonatal Neuroimaging Findings in Inborn Errors of Metabolism**
Andrea Poretti, Susan I. Blaser, Maarten H. Lequin, Ali Fatemi, Avner Meoded, Frances J. Northington, Eugen Boltshauser, and Thierry A.G.M. Huisman

Review: MR Physics for Clinicians

- CME** 313 **Hyperpolarized ¹²⁹Xe MRI of the Human Lung**
John P. Mugler, III and Talissa A. Altes

Original Research

Neuroimaging

- 332 **T2-Based Arterial Spin Labeling Measurements of Blood to Tissue Water Transfer in Human Brain**
Johannes Gregori, Norbert Schuff, Rolf Kern, and Matthias Günther
- 343 **Automatic Segmentation of White Matter Hyperintensities by an Extended FitzHugh & Nagumo Reaction Diffusion Model**
Shuangxi Ji, Changqing Ye, Fan Li, Wei Sun, Jue Zhang, Yining Huang, and Jing Fang
- 351 **Correlation of Apparent Diffusion Coefficient Values Measured by Diffusion MRI and MGMT Promoter Methylation Semiquantitatively Analyzed With MS-MLPA in Patients With Glioblastoma Multiforme**
Leonard Sunwoo, Seung Hong Choi, Chul-Kee Park, Jin Wook Kim, Kyung Sik Yi, Woong Jae Lee, Tae Jin Yoon, Sang Woo Song, Ja Eun Kim, Ji Young Kim, Tae Min Kim, Se-Hoon Lee, Ji-Hoon Kim, Chul-Ho Sohn, Sung-Hye Park, Il Han Kim, and Kee-Hyun Chang
- 359 **In Vivo Spatially Localized High Resolution ¹H MRS Via Intermolecular Single-Quantum Coherence of Rat Brain at 7 T**
Xiaohong Cui, Jianfeng Bao, Yuqing Huang, Shuhui Cai, and Zhong Chen
- 365 **Effect of Cerebral Spinal Fluid Suppression for Diffusional Kurtosis Imaging**
Alicia W. Yang, Jens H. Jensen, Caixia C. Hu, Ali Tabesh, Maria F. Falangola, and Joseph A. Helpert
- 372 **Role of Standardized and Study-Specific Human Brain Diffusion Tensor Templates in Inter-subject Spatial Normalization**
Shengwei Zhang and Konstantinos Arfanakis

Cardiovascular Imaging

- 382 **Auto-Threshold Quantification of Late Gadolinium Enhancement in Patients With Acute Heart Disease**
Emmanuelle Vermes, Helene Childs, Iacopo Carbone, Philipp Barckow, and Matthias G. Friedrich
- 391 **Quantitative Determination of Magnetic Force on a Coronary Stent in MRI**
Nina Lopič, Andreja Jelen, Stanislav Vrtnik, Zvonko Jagličič, Magdalena Wencka, Radovan Starc, Aleš Blinc, and Janez Dolinšek

Gastrointestinal Imaging

- 398 **Hepatocellular Carcinoma in a North American Population: Does Hepatobiliary MR Imaging With Gd-EOB-DTPA Improve Sensitivity and Confidence for Diagnosis?**
Mustafa R. Bashir, Rajan T. Gupta, Matthew S. Davenport, Brian C. Allen, Tracy A. Jaffe, Lisa M. Ho, Daniel T. Boll, and Elmar M. Merkle

- 407 MRI Assessment of Percutaneous Ablation of Liver Tumors: Value of Subtraction Images**
Servet Tatli, Murat Acar, Kemal Tuncali, Cheryl A. Sadow, Paul R. Morrison, and Stuart G. Silverman
- 414 Comparison of R_2^* Correction Methods for Accurate Fat Quantification in Fatty Liver**
Debra E. Hornig, Diego Hernando, Catherine D.G. Hines, and Scott B. Reeder
- 423 Automatic Intra-Subject Registration-Based Segmentation of Abdominal Fat From Three-Dimensional Water-Fat MRI**
Anand A. Joshi, Houchun H. Hu, Richard M. Leahy, Michael I. Goran, and Krishna S. Nayak
- Genitourinary Imaging** **431 Tumor Volume and Subvolume Concordance Between FDG-PET/CT and Diffusion-Weighted MRI for Squamous Cell Carcinoma of the Cervix**
Jeffrey R. Olsen, Jacqueline Esthappan, Todd DeWees, Vamsi R. Narra, Farrokh Dehdashti, Barry A. Siegel, Julie K. Schwarz, and Perry W. Grigsby
- Body Imaging** **435 Impact of Transvascular and Cellular-Interstitial Water Exchange on Dynamic Contrast-Enhanced Magnetic Resonance Imaging Estimates of Blood to Tissue Transfer Constant and Blood Plasma Volume**
Ramesh Paudyal, Harish Poptani, Kejia Cai, Rong Zhou, and Jerry D. Glickson
- Technical Developments** **445 Reproducibility of Rapid Short Echo Time CSI at 3 Tesla for Clinical Applications**
Sofie Van Cauter, Diana M. Sima, Jan Luts, Leon ter Beek, Annemie Ribbens, Ronald R. Peeters, Maria I. Osorio Garcia, Yuquan Li, Stefan Sunaert, Stefaan W. Van Gool, Sabine Van Huffel, and Uwe Himmelreich
- 457 Single-Breath Xenon Polarization Transfer Contrast (SB-XTC): Implementation and Initial Results in Healthy Humans**
Iga Muradyan, James P. Butler, Mikayel Dabaghyan, Mirko Hrovat, Isabel Dregely, Iulian Ruset, George P. Topulos, Eric Frederick, Hiroto Hatabu, William F. Hersman, and Samuel Patz
-
- Technical Notes**
- 471 Artifact Reduction From Metallic Dental Materials in T1-Weighted Spin-Echo Imaging at 3.0 Tesla**
Sang-Young Cho, Min-Oh Kim, Keun-Woo Lee, and Dong-Hyun Kim
- 479 Automated Truncation Method for Myocardial T2* Measurement in Thalassemia**
Taigang He, Jun Zhang, John-Paul Carpenter, Yanqiu Feng, Gillian C. Smith, Dudley J. Pennell, and David N. Firmin
- 484 Improved Fat Water Separation With Water Selective Inversion Pulse for Inversion Recovery Imaging in Cardiac MRI**
Lukas Havla, Tamer Basha, Hussein Rayatzadeh, Jaime L. Shaw, Warren J. Manning, Scott B. Reeder, Sebastian Kozerke, and Reza Nezafat
- 491 Computational and Experimental Studies of an Orthopedic Implant: MRI-Related Heating at 1.5-T/64-MHz and 3-T/128-MHz**
Yan Liu, Ji Chen, Frank G. Shellock, and Wolfgang Kainz
-
- Letter to the Editor**
- 498 Replication Attempt to Estimate Depression Severity by Fuzzy Logic Analysis of Emotion-Focused fMRI**
Donald F. Smith, Hanne Nødkov, Michael Winterdahl, and Torben E. Lund
- 500 Response**
Ging Lu and Zhijian Yao