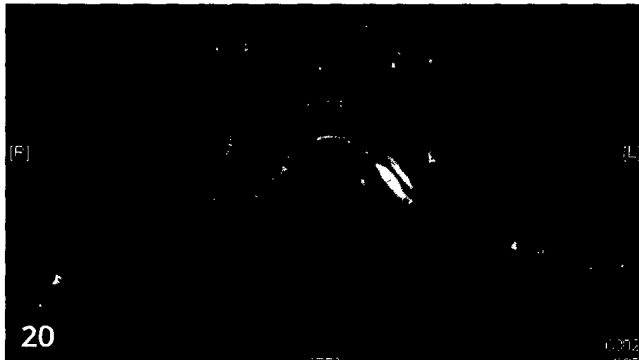


Content



Enhancing the quality of MRI Services



MAGNETOM Vida clinical case studies

Editorial Comment

- 2 Discover the Components of a Successful Radiology Practice
Steven L. Mendelsohn, Zwanger-Pesiri Radiology, New York, USA

Spotlight

- 8 Benefits of Accelerated MR Imaging in Daily Routine
Val M. Runge, et al., University Hospital Bern, Switzerland

Business

- 20 Enhancing the Quality of MRI Services with a MAGNETOM Aera MRI System
Lawrance KC Yip, Wendy WM Lam, Queen Mary Hospital, Hong Kong

Oncological Imaging

- 26 MAGNETOM Vida: the Freiburg Experience
Mathias Langer, University Hospital Freiburg, Germany
- 32 Quantitative WB-MRI with ADC Histogram Analysis for Response Assessment in Diffuse Bone Disease
Danoob Dalili, et al., Imperial College Healthcare NHS Trust, St Mary's Hospital, London, UK
- 38 Quantitative WB-MRI with ADC Histogram Analysis for Complex Response of Bone Marrow Metastatic Disease
Danoob Dalili, et al., Imperial College Healthcare NHS Trust, St Mary's Hospital, London, UK
- 43 Evolution of the Malignant Bone Marrow with Successful Therapy – Quantitative Analysis with Whole-body Diffusion-weighted MRI
Danoob Dalili, et al., Imperial College Healthcare NHS Trust, St Mary's Hospital, London, UK
- 49 Whole-body Diffusion-weighted MRI: The Time has Come for a Change
Atul Kapoor, et al., Advanced Diagnostics Amritsar, Punjab, India

Men's Health

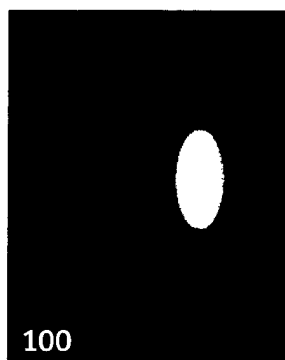
- 54 A Rapid, PI-RADS v2 Conform, Multi-parametric MRI Prostate Exam for Improved Patient Care
Mukesh Harisinghani, et al., Massachusetts General Hospital, Boston, MA, USA

Abdominal Imaging

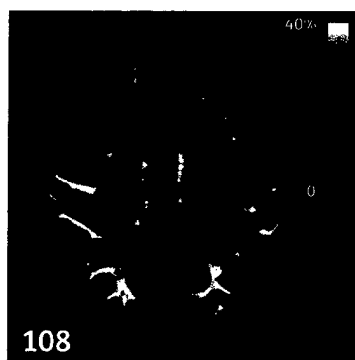
- 60 Automated Fast Liver MR Scan¹: A Preliminary Evaluation
Jianping Lu, et al., Changhai Hospital of Shanghai, China
- 65 Rapid Body Composition Measurements Reveal Detailed Metabolic Changes in Large Scale Population Studies
Mikael F. Forsgren, Janne West, AMRA, Linköping, Sweden
- 70 Now online: Imaging of the Pancreas: Technique and Clinical Applications
Giovanni Morana, et al., General Hospital Ca' Foncello, Treviso, Italy

Musculoskeletal Imaging

- 72 MAGNETOM Vida Clinical Case Studies
Axel Stäbler, Radiologie in München Harlaching, Munich, Germany
- 81 GOKnee3D² – Fully-automated One-button-push High-resolution MRI of the Knee
Jan Fritz, et al., Johns Hopkins University School of Medicine, Baltimore, MD, USA
- 90 Metal Artifact Reduction Sequence (MARS)³ Magnetic Resonance Neurography (MRN) Evaluation of the Lumbosacral Plexus in Patients with Metallic Implants
Shivani Ahlawat, Jan Fritz, Johns Hopkins University School of Medicine, Baltimore, MD, USA



FLAIR Fusion in MS follow-up



Myelin detection without additional scan time



MRI after cesarean delivery

Thoracic MRI

- 95 **How-I-do-it: Thoracic Outlet Syndrome on Tim 4G Systems**
Bac Nguyen, University Hospital Oslo, Norway

Neurology

- 100 **FLAIR Fusion in Multiple Sclerosis Follow-up: An Indispensable Tool in Clinical Routine**
Stéphane Cantin, et al., Groupe Clinique du Mail, Grenoble, France
- 104 **Visualization of Endolymphatic Hydrops with 1.5T MRI in Ménière's Disease: A Preliminary Study**
Frédérique Chapon, et al., Saint Joseph Hospital, Marseille, France
- 108 **To Add Myelin Detection to Your Neuro Protocol Without Additional Scan Time**
Akifumi Hagiwara, et al., University of Tokyo Hospital and Juntendo University Hospital, Tokyo, Japan
- 112 **A Within-subject Comparison of Common Neuroimaging Protocols on MAGNETOM Prisma[®] and MAGNETOM Trio Scanners**
Ross W. Mair, Stephanie McMains, Harvard University, Cambridge, MA, USA
- 120 **GOBrain 5-Minute MRI in Children[†]: Shown to Reduce the Need for Sedation**
Nadja Kadom, Anna Trofimova, Emory University School of Medicine, Atlanta, GA, USA

Women's Health

- 123 **Diffusion and Perfusion Fraction Parameters Extracted by a Biexponential Model can be Markers of Healthy Human Placenta Development**
Lucia Manganaro, et al., Sapienza University of Rome, Italy
- 130 **How-I-do-it: High Resolution Breast Imaging using StarVIBE on 3T MAGNETOM Skyra[®]**
Maria L. Carr, et al., NorthShore University HealthSystem, Evanston, IL, USA
- 132 **"Scars and stars" – MRI of Normal Findings and Complications After Cesarean Delivery**
Rahel A. Kubik-Huch, et al., Kantonsspital Baden, Switzerland

Therapy

- 138 **FLAWS and MP2RAGE[‡] Sequence at 3T for Surgical Localization in Pre Deep Brain Stimulator Patients**
David Shipp, et al., Monash Medical Centre, Clayton, Victoria, Australia

Meet Siemens Healthineers

- 142 **Introducing Miguel Contreras, Santiago, Chile, and Craig Haker, Saskatoon, Canada – Customer Service Engineers**

[†] WIP, the product is currently under development and is not for sale in the US and in other countries. Its future availability cannot be ensured.

[‡] S10(k) pending. The product is not commercially available. Future availability cannot be guaranteed.

The MRI restrictions (if any) of the metal implant must be considered prior to patient undergoing MRI exam. MR imaging of patients with metallic implants brings specific risks. However, certain implants are approved by the governing regulatory bodies to be MR conditionally safe. For such implants, the previously mentioned warning may not be applicable. Please contact the implant manufacturer for the specific conditional information. The conditions for MR safety are the responsibility of the implant manufacturer, not of Siemens.

[§] MR scanning has not been established as safe for imaging fetuses and infants less than two years of age. The responsible physician must evaluate the benefits of the MR examination compared to those of other imaging procedures.