

16

BioMatrix Beat Sensor

28

AI-based fully automated
GCS measurement

33

Cardiac MRI¹ on the MAGNETOM Free.Max

Editorial Comment

4 Editorial Comment

Matthias Stuber

Center for Biomedical Imaging (CIBM), and Department of Diagnostic and Interventional Radiology, Lausanne University Hospital (CHUV) and University of Lausanne (UNIL), Lausanne, Switzerland

Artificial Intelligence

28 Artificial Intelligence-based¹ Fully Automated Global Circumferential Strain in a Large Cohort of Patients Undergoing Stress CMR

Théo Pezel, Jérôme Garot, et al.

Hôpital Privé Jacques Cartier, Ramsay Santé,
Massy, France

BioMatrix Beat Sensor

7 Clinical Approach of BioMatrix Beat Sensor Cardiac Triggering

Christina Karamarkou and Catharina Thielmann
Contilia Heart and Vascular Centre,
Elisabeth-Krankenhaus Essen, Germany

11 BioMatrix Beat Sensor – the Technologist’s Perspective

Bianca Samsula
ZEMODI, Zentrum für moderne Diagnostik,
Bremen, Germany

16 Skip the Electrodes, But Not A Beat: The Engineering Behind the Beat Sensor

Peter Speier and Mario Bacher
Siemens Healthineers, Erlangen, Germany

Access to CMRI

33 Cardiac MRI¹ on the MAGNETOM Free.Max: The Ohio State Experience

Orlando P. Simonetti, et al.

The Ohio State University, Columbus, Ohio, USA

44 Clinical Care Should Not Depend on Zip Code: Starting a University Radiology Department in the Countryside

Jan Borggreffe

Johannes Wesling University Hospital, Minden, Germany

44

MRA using MAGNETOM Free.Max

49

How to do fetal cardiac MRI at 3T

63

Ferrumoxytol-enhanced free-running 5D whole-heart MRI

Pediatric / Fetal CMR

- 49 How To Do Fetal² Cardiac MRI at 3T**
Malenka Bissell, et al.
Department of Biomedical Imaging Science,
Leeds Institute to Cardiovascular and Metabolic
Medicine, University of Leeds, United Kingdom
- 58 3T Cardiac MRI and Acute Myocarditis in
the Context of Second-dose mRNA Vaccine.
A Case Study**
Erin Robins and Claire Harris
Perth Children's Hospital, Nedlands, Western Australia
- 63 Ferumoxytol-Enhanced Free-Running
5D Whole-Heart¹ MRI: A Glimpse of a
One-Stop-Shop Modality for Cardiac
Function and Morphology**
Salim Si-Mohamed, et al.
Center for Biomedical Imaging (CIBM), and Department
of Diagnostic and Interventional Radiology, Lausanne
University Hospital (CHUV) and University of Lausanne
(UNIL), Lausanne, Switzerland

Meet Siemens Healthineers

- 66 Introducing Annemie Steegmans**
Business manager for Belgium and
product specialist in MR
Siemens Healthineers, Groot-Bijgaarden, Belgium
- 67 Introducing Peter Speier**
Principal Key Expert MR
Siemens Healthineers, Erlangen, Germany