

ESMRMB

European Society for Magnetic Resonance in Medicine and Biology



School of MRI 2017

European Multidisciplinary

MR Safety

October 5–7, 2017
Bolzano/IT

Programme director:
Siegfried Trattnig, Vienna/AT

Course organiser:
Siegfried Trattnig, Vienna/AT

Local organiser:
Nadia Oberhofer, Bolzano/IT

MR Safety

Course venue:

Ospedale di Bolzano
Via Lorenz Böhler 5
39100 Bolzano
Italy

Course duration:

Thursday morning – Saturday noon

This course is limited to 35 participants!

Topics:

- Introduction to Construction and Function of MRI Scanner
- A Systematic Overview on MR Interactions with Magnetic and Electrically Conductive Materials
- Risks in MRI I: Static Bo Field, Dangers Due to Superconductors
- Risks in MRI II: MR Gradients and RF
- Implant Testing and Safety Considerations
- MR-Safety Considerations in a Clinical Environment
- Implant Problems and Optimisation: Researching Implants
- Cardiovascular Implants and Cardiac Pacemakers in MRI
- MR Safety Issue in Interventional MR
- Contrast Agents
- EU Directive and MR Worker Training
- Risk Management in MR
- Practical Session I: System-Related MR Safety
- Practical Session II: Patient-Related MR Safety
- Practical Session III: RF Heating

Preliminary faculty:

D. Beitzke, K. Bräuner, J. Felblinger, L. Hanson, A. Jones, M. Krssak, A. Melzer, G. Schaefer, F. Schick, H. Thomsen, S. Trattnig

Participation requirements:

The target group can be subdivided into the following two categories:
Health care personnel: radiologist, radiological technologist, physician, ongoing MR safety expert and Safety Officer, occupational physician.
Other personnel: medical physicists, MR researcher, hospital safety manager, maintenance manager.

An application has been made for the accreditation of the European Accreditation Council for Continuing Medical Education (EACCME) Institution of the UEMS.

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