

Registration:

Course fee	EUR plus 19% VAT	Please select
Attendance option		↓
"MR Safety Expert" 05,06,07 Nov 2026 physicists / physicians (Lectures & MRI hands-on):	1,790	
"MR Safety Expert" 05,06,07 Nov 2026 technologists / radiographers (Lectures & MRI hands-on):	1,490	
Online	20% off	

Title, First name, Name

Function title

Organization

Street, Number

City, Zip-code

Telephone, Fax

Email

Land / Country

Date, Signature

Please send your registration to:

MRI-STaR

Fax: +49 209 149 77 30 88

Email: seminar@mri-star.com

We would be pleased to welcome you as attendee!

Information:

Terms of payment:

The amount is due for payment 2 weeks after receipt of the invoice. The course fee must be paid via wire transfer, check or via credit card. Information is provided in separate invoice. Credit card information please provide here via fax:

Visa MasterCard AMEX

Credit card #

_____ Name of
card holder _____
valid until _____
date _____

Discounts:

Students qualify for a 20% discount. Please send in a copy of an appropriate certificate proving your status. Every 2nd and further registrant from the same organization applies for a 15% discount. *only 1 discount applicable

Registration is valid only with receipt of confirmation and payment of the course fee. Early booking deadline: 4 weeks before seminar date.

A cancellation is free of charge up to 6 weeks before the seminar date. After that date we charge 50% of the registration fee. For a cancellation within the last 7 days 80% are charged of the course fee. If the cancellation takes place later or the participant or a backup does not attend in the course, we are entitled to deduct the full participation fee.

The course fees include: MRI-STaR certified MRSE exam, certificate, script, confirmation of participation, breakfast snack, lunch, dinner, hot and cold drinks.

The number of participants is limited. The places will be assigned in sequence of the receipt of registrations. MRI-STaR reserves the right to offer an alternative seminar date, if the number of participants is too low or too high.

SEMINAR LOCATION:

MRI-STaR GmbH
Conference room
Buschgrundstr. 23
45894 Gelsenkirchen, Germany



MRI-STaR
Magnetic Resonance Institute
for Safety, Technology and Research

on-site & online Hands-on MR Seminar

Seminar location

MRI-STaR GmbH
Gelsenkirchen, Germany
CEST TIME ZONE

The "MR Safety Expert" (MRSE)

acc. to ABMRS Syllabus, DIN 6876-1, OENORM
1125-1/2, Dutch/MHRA/RANZCR Guidelines

November 05-07, 2026

Organizer

MRI-STaR GmbH & MR:comp GmbH
www.mri-star.com

This course prepares the attendee to sit for the MRSE exam!

MRSE  **Seminar Day 1:**

09:15	09:30	Welcoming / Breakfast	
09:30	10:00	Introduction	
10:00	10:15	Virtual visit of the MR system	Kug
10:15	11:45	Basics of MR physics and technical aspects - Static mag. field, RF-Field, Gradient-field - MR system components - Refresh of the physical principle - Physics of MRI (spin, magnetization, MR signal) - MR image acquisition (RF pulse sequences, gradients, geometry, signal to noise and contrast, contrast agents) - MR Imaging techniques (fast imaging, Perfusion, Diffusion, Spectroscopy)	Kug
11:45	12:00	Coffee break	
12:00	12:30	Safety instruction	Kug
12:30	12:40	Grab a coffee	
12:40	14:10	Significant hazards MRI II system-specific (MR safety, the MR system and the MR worker – IEC 60601-2-33) - General terms - Presentation of hazards - Technology of superconductivity and potential risks of cryogenics; Laser	Bri
14:10	15:00	Lunch break	
15:00	16:30	MR safety and compatibility of medical devices (and items) I / Significant hazards MRI I item-specific - Interactions of items (incl. implants) within the MR environment (static magnetic field, switched gradient and RF field) - Current technical standards & guidance, MR testing methods	Sch
16:30	17:00	Coffee break/Transfer to scanner	
17:00	18:45	Hands-on: Behavioral measures in possible emergency situations for medical personnel, firefighters and for technical staff - General behavior when entering the scanner room - Safety provisions for the MR environment - Magnetic emergency - Electricity failure and fire	Sch Kug
18:45	19:15	Final discussion with snack	

MRSE  **Seminar Day 2:**

08:45	09:00	Breakfast	
09:00	10:00	Significant hazards MRI IV - Contrast agents	Keske
10:00	10:15	Coffee break	
10:15	11:45	Significant hazards MRI III patient-specific - Risks with respect to the static magnetic field - RF field and gradient field - Examples from clinical practice	Kug
11:45	12:00	Grab a Coffee	
12:00	13:30	Behavioral measures in MR routine I - Access control to the scanner room - Patient positioning	Kug
13:30	14:30	Lunch break	
14:30	15:45	Laws, regulations and clinical standards for MR operators - Employee protection - Responsibilities	Sch
15:45	16:30	Coffee break/Transfer to scanner	
16:30	18:30	Hands-on: Practical demonstrations and exercises - Patient positioning - Medical emergency - Emergency exercises	Kug
18:30	Open end	Discussion / Get together dinner	

Target audience:

The seminar is especially designed for the **MR physicists, technologists/radiographers, MR clinicians.**

The seminar language is English. The MR user will learn about MR safety regulations, standards, measures inside the MR environment. The user will be elevated to be able to organize the MR environment as MR safety responsible expert using the MR safety measures, know-how about SOPs and organization of processes for patients, MR workers and volunteers or other individuals.

Program is Subject to changes

MRSE  **Seminar Day 3:**

08:30	08:45	Breakfast	
08:45	10:00	MR safety and compatibility of medical devices (and items) II - Finding the "worst-case" - Labeling of devices for the MR environment	Sch
10:00	10:15	Coffee break	
10:15	11:15	Hands-on: Behavioral measures in MR routine II (Implant labeling research) - Implant research - case studies	Sch
11:15	11:30	Coffee break	
11:30	12:40	Behavioral measures in MR routine III - Servicing and cleaning operations - Documentation (training, accidents)	Kug
12:40	13:20	MRI-STaR Certificate Examination (Multiple-Choice-Test) for free; Optional: ABMRS additional examination on official MRSE exam date	
13:20	13:40	Final discussion/Farewell	

Lecturers:

Dr. rer. nat. H. Kugel
University Clinic for Radiology, University of Munster, Germany

J. van den Brink, Ph.D.
Principal Scientist & Architect, Philips MRI, Best, The Netherlands

Priv.-Doz. Dr. med. Uwe Keske
Chief Radiologist, Marien Hospital, Gelsenkirchen, Germany

Dipl.-Ing. (FH) G. Schaefers
MR Safety Testing Laboratory, MR:comp GmbH, Gelsenkirchen, Germany

***The seminar will be held together with the separate course Medical Device MR Safety Specialist (MRSS) for industry participants (est. in 2007).**