



LUNCH SYMPOSIUM

NOVEL PERSPECTIVES OF ONCOLOGICAL MRI LIVER IMAGING WITH IRON OXIDE- BASED NANOPARTICLES (SPIO)

Friday, March 1st 2024
12:30 – 13:30

ECR Vienna
Room G1, Level -2

THE SESSION IS TO GIVE A COMPREHENSIVE OVERVIEW OF THE UTILIZATION OF IRON-OXIDE BASED MRI CONTRAST AGENTS IN ONCOLOGICAL LIVER IMAGING, BOTH TO VISUALIZE THE VASCULAR ARCHITECTURE OF THE LIVER WITH T1-WEIGHTED IMAGES AS WELL AS TO DETECT FOCAL LIVER LESIONS BY MEANS OF T2-WEIGHTED SEQUENCES.

SYMPOSIUM TOPICS

Part 1: General overview of nanoparticle-based MRI
Prof. Dr. Peter Reimer (Karlsruhe, D)

- Status quo of oncological liver imaging
- Perspectives of using nanoparticles (SPIO) in clinical routine
- Differences, commonalities, and potential synergies with other imaging modalities

Part 2: New approach to MRI upper abdominal imaging – selected case studies
Priv.-Doz. Dr. Christian Krestan (Vienna, AT)

- Presentation of current case studies with the use of SPIO nanoparticles
- Feasible sequence protocols, parameters, and workflows

Part 3: Utility of nanoparticle-based MRI liver imaging for interventional radiology
Priv.-Doz. Dr. Tobias Jakobs (Munich, D)

- Iron-oxide based nanoparticles (SPIO) as an additional modality for radiological intervention planning
- Novel perspectives for radiological intervention planning and post-interventional follow-up

SANOCHEMIA

