

# Program

ISMIRM Nordic Chapter & DSMMR joint MR meeting  
- "MRI from head-to-toe"

Topics: The expanding role of MRI in radiation therapy,  
Multiple Sclerosis and Cardiac MRI



March 19-20 2015

Glostrup Hospital, University of Copenhagen,  
Denmark

## Thursday, 19th March 2015

09:00 Registration & Coffee. Speaker Upload Available.

09:50 – 10:00 Opening remarks, practical information  
Helle J. Simonsen, MRT, Glostrup University Hospital, Denmark

### Session 1: MR safety update

10:00 – 10:30 Safety Update  
Johan Olsrud, Ph.d., Skåne University Hospital, Sweden

10:30 – 11:00 Cochlear Nucleus Ear implants and MR safety  
Kristian Skov Alanin, Danaflex, Denmark

### Session 2: MRI guidance for therapy

11:00 – 11:30 The expanding role of MRI in radiation therapy: Simulation, treatment, guidance and response assessment.  
Dr. Nico van den Berg, University Medical Center, Utrecht, Netherlands

11:30 – 12:00 MRI guidance for therapy  
Henrik Robenhagen Jensen, Ph.d., Odense University Hospital, Denmark

12:00 – 12:30 Dynamic contrast enhanced MRI before, under and after radiation therapy  
Søren Møller, MD, Ph.d., Rigshospitalet, University of Copenhagen, Denmark

### 12:30 – 13:15 Lunch

13:15 – 13:45 PET/MRI in radiation therapy planning.  
Virva Saunavaara, Ph.d., Turku University Hospital, Finland

13:45 – 14:15 MR DTI – New biomarker of normal brain tissue damage  
Søren Ravn, Ph.d., Aalborg University Hospital, Denmark

14:15 – 14:45 MR guided HIFU ablation in the liver: challenges and hopes  
Frederic Courivaud, Ph.d., Oslo University Hospital, Norway

14:45 – 15:15 *Coffee & snacks*

### Session 3: The five winning abstracts

15:15 – 15:30 Abstract 1

15:30 – 15:45 Abstract 2

15:45 – 16:00 Abstract 3

16:00 – 16:15 Abstract 4

16:15 – 16:30 Abstract 5

*After each lecture, there will be time for five minutes questions*

## Friday, 20th March 2015

08:30 Registration & Coffee. Speaker Upload Available.

### Session 4: Multiple Sclerosis

09:00 -09:30 Multiple Sclerosis, diagnostic criteria and treatment  
Jette L. Frederiksen, MD, DMSci, Glostrup University Hospital, Denmark

09:30 - 10:00 Multiple Sclerosis and MRI protocols  
Elna-Marie Larsson, MD, Ph.d., Uppsala University Hospital, Sweden

10:00– 10:30 Measuring blood-brain-barrier permeability in Multiple Sclerosis using Dynamic Contrast Enhanced Perfusion  
Stig P. Cramer, MD, Ph.d., Glostrup University Hospital, Denmark

10:30 – 11:00 Magnetic Resonance imaging of structural and functional connectivity in Multiple Sclerosis  
Hartwig Siebner, MD. Ph.d., Hvidovre University Hospital, Denmark

11:00 – 11:30 *Coffee & snacks*

### Session 4: ASL & Diffusion

11:30 – 12:00 ASL  
Esben Thade Petersen, Ph.d., Hvidovre University Hospital, Denmark

12:00 – 12:30 Diffusion  
Tim Dyrby, Ph.d., Hvidovre University Hospital, Denmark

12:30 – 13:30 *Lunch*

### Session 5: Cardiac MRI

13:30 – 14:00 Cardiac MRI: basic functional measures  
Henrik BW Larsson, MD, Ph.d. , Glostrup University Hospital, Denmark

14:00 – 14:30 Cardiac diseases and MRI protocols  
Niels Vejlstrup, MD, Ph.d., Rigshospitalet, University of Copenhagen, Denmark

14:30 – 15:00 Late gadolinium enhancement following acute myocardial infarction: implications in research and clinical practice  
Stein Ørn, MD, Ph.d., Stavanger University Hospital, Norway

15:00 – 15:30 Vascular imaging  
Ernst-Torben Frund, Ph.d., Odense University Hospital, Denmark

15:30 *Closing remarks / Course diploma*

*After each lecture, there will be time for five minutes questions*