

Programme
School of MRI of ESMRMB
Advanced MR Imaging of the Breast and Pelvis
Verona/IT, September 23-25, 2010

Thursday, September 23, 2010

Topic/Item	Speaker
<u>08:00 – 09:00</u> <i>Registration</i>	
<u>09:00 – 09:45</u> Topic 1 MR Imaging Techniques (Breast & Female Pelvis) <ul style="list-style-type: none">• Hard- and software requirements• Basic pulse sequences for breast and pelvic MRI• Advanced pulse sequences (including ultrafast sequences)• Image post processing• Recent and future developments	Th. Metens, Brussels/BE
<u>09:45 – 10:30</u> Topic 2 Female Pelvis: Protocol Optimisation, Benign Disease of the Uterus <ul style="list-style-type: none">• Optimised MR imaging strategy• Normal MR appearance of the female pelvis according to age and menstrual cycle• Mullerian duct abnormalities: indication for MRI compared to HSG and US• To diagnose and differentiate leiomyoma from adenomyosis	K. Kinkel-Trugli, Geneva/CH
<u>10:30 - 11:00</u> <i>Coffee break</i>	
<u>11:00 - 13:00</u> Repetition of topic 1 and 2 in groups in the seminar rooms	
<u>13:00 - 14:00</u> <i>Lunch</i>	
<u>14:00 - 14:45</u> Topic 3 Technical Aspects of Breast MRI <ul style="list-style-type: none">• Hard- and software requirements• Currently used 2D and 3D techniques• Post-processing of the source images• Importance of temporal and spatial resolution• New sequences: Diffusion weighted image (DWI) and spectroscopy of the breast.	V. Martinez de Vega, Madrid/ES

14:45 - 15:30 Topic 4 Th. Huisman, Baltimore/USA

MRI in the Obstetric Patient / Fetal MRI

- Safety considerations
- Contrast agents in the pregnant and nursing patient
- Optimised MR imaging strategy, including ultrafast sequences
- Indications for MRI in the obstetric population
- MRI of the healthy fetus and the uteroplacental unit
- Morphological changes in fetal malformation and pathology

15:30 - 16:00 Coffee break

16:00 - 18:00 Repetition of topic 3 and 4 in groups in the seminar rooms

19:30 Welcome Dinner

Friday, September 24, 2010

Topic/Item	Speaker
<u>09:00 - 09:45 Topic 5</u>	<u>A. Rieber Brambs, Munich/DE</u>
MRI of the breast, part 1	
• Breast Imaging Protocol	
• BIRADS-classification for breast MRI	
• Indications of breast MRI (benign and malignant lesions, preoperative MRI in breast cancers, MRI following neoadjuvant chemotherapy, other indications)	
• Pitfalls	
<u>09:45 - 10:30 Topic 6</u>	<u>R. Kubik, Baden/CH</u>
MRI of the ovaries	
• Optimized MR imaging strategy	
• Appearance of the normal ovaries on T1-, and T2- weighted images and the enhancement patterns	
• Indications for MRI compared to US and CT for imaging in patients with adnexal masses	
• Benign and malignant lesions	
• Staging and follow-up of ovarian carcinoma	
<u>10:30 - 11:00 Coffee break</u>	

11:00 - 13:00 Repetition of topic 5 and 6 in groups in the seminar rooms

13:00 - 14:00 Lunch

14:00 - 14:45 Topic 7 M. Müller-Schimpfle, Frankfurt/DE

MRI of the breast, part 2

- Repetition BIRADS-classification for breast MRI
- Limitations of breast MRI in the mastopathic breast
- Interventional techniques in breast MRI
- Breast MRI following breast surgery (diagnosis of recurrence, MRI following silicone augmentation or autologous tissue reconstruction, imaging following silicone protheses rupture)

14:45 - 15:30 Topic 8 A. Rockall, London/UK

MRI: Lymph node Staging

- Imaging strategy
- Plain MRI
- Gadolinium- und USPIO-enhanced MRI
- Lymphatic spread in uterine tumours

15:30 - 16:00 Coffee break

16:00 - 16:45 Topic 9 K. Kinkel-Trugli, Geneva/CH

MRI of the Breast: Screening the high Risk Population

- Pros and Cons of breast cancer screening using MRI
- How to select women who benefit most?
- How and when to perform MRI?

Saturday, September 25, 2010

Topic/Item

Speaker

09:00 - 09:45 Topic 10 R. Manfredi, Verona/IT

MR Imaging of the Cervix and the Uterus:

Malignant Lesions

- Optimised MR imaging strategy
- MR appearance of benign and malignant lesions of the cervix
- MR appearance of benign and malignant lesions of the uterus
- Staging of malignancies
- Follow-up of malignant tumours

09:45 - 10:30 Topic 11

D. Weishaupt, Zurich/CH

MR Imaging of the Pelvic Floor

- Hard- and software requirements
- Application of open magnet systems
- Optimised MR imaging strategy
- Anatomy of the pelvic floor
- Indications for MRI in the incontinent patient
- Anorectal diseases

10:30 - 11:00 *Coffee break*

11:00 – 13:00 Repetition of topic 10 and 11 in groups in the seminar rooms

13:00 - 13:30 Examination (optional)

13:30 *End of course*