

**Program**  
**School of MRI of ESMRMB**  
**Advanced Imaging of the Musculoskeletal System**  
**Ghent/BE, September 2-4, 2010**

Course organiser: Andrea Baur-Melnyk, MD, Munich - Germany

Local organizer: Koenraad Verstraete, Ghent - Belgium

---

## Thursday, September 2, 2010

**08:00 - 09:00**

**Registration**

**09:00 - 09:10**

**Welcome address**

**09:10 - 10:00**

**Topic 1: BONE and SOFT-TISSUE TUMORS**

*Koenraad Verstraete, Ghent - Belgium*

- How to perform an MRI for Bone tumors
- How to perform an Soft tissue tumors
- Differential diagnosis of soft-tissue lesions
- Differential diagnosis of bone lesions
- Joint tumors and pseudotumoral lesions

**10:00 - 11:00**

**Topic 2: HIP/PELVIS**

*Apostolos Karantanas, Iraklion - Greece*

- How I perform/read + report a hip exam
- Labral anatomy and pathology
- Types of femuroacetabular impingement (FAI)
- BME in the hip: Transient osteoporosis, Coxitis, Osteoarthritis or Osteonecrosis?

**11:00 - 11:15**

**Coffee break**

**11:15 - 12:15**

**Topic 3: SHOULDER**

*Klaus Wörtler, Munich - Germany*

- How I perform, read + report a shoulder exam
- Classification of Impingement
- Rotator cuff lesions
- Shoulder instability and microinstability

**12:15 – 13:15**

**Topic 4: SPINE: Degeneration & Inflammation**

*Victor Pullicino, Oswestry-UK*

- Differential diagnosis of Modic type I versus Spondylodiscitis
- Differential diagnosis of vertebral compression fractures
- Differential diagnosis of focal marrow lesions

**13:15 - 14:00**

**Lunch on site**

**Thursday: Case-based Repetitions**

**14:00 – 18:00**

**BONE and SOFT-TISSUE TUMORS  
HIP/PELVIS  
SPINE  
SHOULDER**

Coffee will be available during the afternoon in front of the lecture/repetition room(s).  
Participants will stay in the room; speakers will change.

## **Friday, September 3, 2010**

**09:00 – 10:00**

### **Topic 5: SPORTS INJURIES**

*Andrew Grainger, Leeds - UK*

- Lesions of the Muscle tendon unit including myositis ossificans
- Athletic groin injuries
- Sports injuries of fingers and toes

**10:00 – 11:00**

### **Topic 6: FOOT/ANKLE**

*Mario Maas, Amsterdam – The Netherlands*

- How I perform read + report a foot exam (including ligaments and tendons)
- Variants sometimes causing disease
- Bone marrow edema: Transient osteoporosis – osteonecrosis – mechanical stress reaction
- Nerve entrapments including Morton's neuroma and its differential

**11:00 – 11:15**

**Coffee break**

**11:15 – 12:15**

### **Topic 7: ELBOW**

*Eugene Mc Nally, Oxford - UK*

- How I perform, read + report a exam of the elbow  
anatomic variants: simulating disease
- Lesions in lateral/medial/anterior/posterior pain

**12:15 – 13:15**

### **Topic 8: HAND+WRIST**

*Nicolas Theumann, Lausanne - Switzerland*

- How I perform/read + report a exam of the wrist
- TFCC Lesions
- Carpal instability
- Tumors of the hand and wrist

**13:15 - 14:00**

**Lunch on site**

## **Friday: Case-based Repetitions**

**14:00 – 18:00**

**SPORTS INJURIES  
FOOT/ANKLE  
ELBOW  
HAND+WRIST**

Coffee will be available during the afternoon in front of the lecture/repetition room(s).  
Participants will stay in the room; speakers will change.

## **19:30 Welcome Dinner**

**all participants and members of the faculty are invited!**

## **Saturday, September 4, 2010**

**8:30 – 9:30**

### **Topic 9: KNEE**

*Frederic Lecouvet, Brussels - Belgium*

- Imaging strategies and sequence protocols
- BME Pattern in injuries of the knee
- Cruciate ligament and menisci
- Imaging of the cartilage
- Osteochondral lesions and osteonecrosis

**9:30-10:30**

### **Topic 10: BONE MARROW**

*Andrea Baur-Melnyk, Munich - Germany*

- Normal distribution of bone marrow and bone marrow variations
- Principles of bone marrow replacement
- Focal lesions, Differential diagnoses
- Diffuse bone marrow alterations, Differential diagnoses
- Differentiation benign/neoplastic vertebral fractures

**10:30-11:00**

**Coffee break**

**11:00 – 12:00**

**Group 1+2: Case-based repetitions, Topic 9**

**11:00 – 12:00**

**Group 3+4 : Case based repetitions, Topic 10**

**12:00 – 13:00**

**Group 1+2: Case-based repetitions, Topic 10**

**12:00 – 13:00**

**Group 3+4 : Case based repetitions, Topic 9**

**13:00-13:30**

**Quiz Lecture hall**