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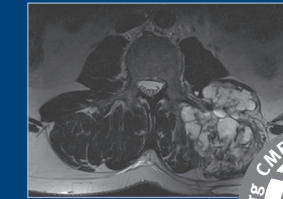
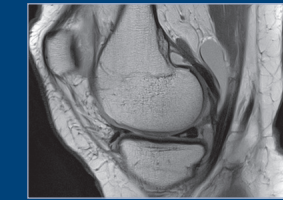
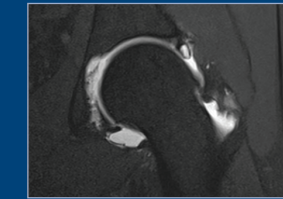


Heidelberg University Hospital

4<sup>th</sup> Heidelberg Summer School

Musculoskeletal Cross  
Sectional Imaging 2015

July 24<sup>th</sup> – July 25<sup>th</sup>, 2015



This event is sponsored by



## Welcome Address

### Dear Colleagues and Friends,

The fourth International Heidelberg Summer School on Musculoskeletal Cross Sectional Imaging in Heidelberg/Germany will advance the international exchange of knowledge, ideas and experience by bringing together physicians and professional staff from all over the world. The Summer School is a yearly event and thus provides a continuous basis for academic exchange of medical, physical and technical know-how and advanced learning opportunities. All is necessary to fulfill the emerging clinical need for improved imaging diagnostics in the extensive field of musculoskeletal diseases. Additionally, we learn about the application of innovative products provided by the industrial partners.

The Summer School will take place at the Centre for Orthopaedics, Trauma Surgery and Spinal Cord Injury. "Life is movement" is the motto of the Heidelberg Orthopaedic Hospital, which is the largest facility of its kind in Germany. However, this motto can also serve our Summer School reflecting the continuously changing imaging algorithms and technical innovations in radiology.

I am pleased to welcome you in Heidelberg also on behalf of the University of Heidelberg. The symposium will take place in the context of the 629<sup>th</sup> anniversary of the "Ruperto Carola University of Heidelberg", which is the oldest university in Germany and one of the oldest in Europe. For more than 600 years, our university has been a centre of international scientific and academic endeavours. In addition to our welcoming party, we hope you will take advantage of our offer to participate in the guided tour of the renowned Castle of Heidelberg and the Old Town that we have organized for you.

I am especially grateful to Siemens for their partnership and very generous financial support of our Summer School.

I hope for an interesting and inspiring meeting covering, both, refreshing and the latest advances in modern musculoskeletal imaging, as well as, an enjoyable stay in Heidelberg. Ruins of a castle full of secrets, a picturesque old quarter, the lovely Neckar Valley – this fascinating triad stands for Heidelberg, Germany's most romantic city with more than three million visitors every year enjoying the various places of interest and the pleasant atmosphere. I am sure you will also enjoy your participation!

**Marc-André Weber, MD MSc**  
Professor of Radiology

## Programme *(All lectures are in English)*

### Day 1 (July 24<sup>th</sup>)

08:00 Registration  
09:00 Short Introduction (*Weber-MA, Heidelberg*)  
09:05 Welcome address (*Ewerbeck-V, Heidelberg*)

#### Session 1 – Bone tumours – I *(chair: Lehner-B, Heidelberg)*

09:15 Benign and malignant bone tumours  
*(Nöbauer-Huhmann-IM, Vienna)*  
09:45 Soft tissue tumours *(Gielen-J, Antwerp)*  
10:15 Percutaneous treatment of osteoblastoma and of spinal osteoid osteoma *(Weber-MA, Heidelberg)*

10:35-10:50 *Coffee break*

#### Session 2 – Bone tumours – II *(chair: Renker-EK, Heidelberg)*

10:50 Intra-articular lesions of the knee *(Kirwadi-A, Manchester)*  
11:20 Imaging of monoclonal plasma cell diseases – update 2015  
*(Weber-MA, Heidelberg)*  
11:40 Radiological diagnosis of primary bone tumours of the spine  
*(Vasilevska Nikodinovska-V, Skopje)*

12:10-13:30 *Lunch break and buffet*

#### Session 3 – Imaging of the knee *(chair: Barié-A, Heidelberg)*

13:30 Imaging of knee trauma *(Verstraete-K, Ghent)*  
14:00 How to describe cartilage injury? *(Rehnitz-C, Heidelberg)*  
14:30 Functional imaging in musculoskeletal applications including non-proton MRI *(Nagel-AM, Heidelberg)*  
15:00 Imaging of the menisci *(Waldt-S, Munich)*

15:30-16:00 *Coffee break*

#### Session 4 – Spine imaging and intervention

*(chair: Wiedenhöfer-B, Heidelberg)*  
16:00 Sacroiliitis: Imaging strategies and findings  
*(Libicher-M, Schwäbisch-Hall)*  
16:30 Spine infection imaging *(Tali-T, Ankara)*  
17:00 Differential diagnosis of vertebral fracture: CT vs. MRI  
*(Krestan-C, Vienna)*  
17:30 Percutaneous treatment of vertebral fractures: osteoporotic, traumatic, neoplastic *(Cianfoni-A, Lugano)*

18:00 *End of lectures at day 1 - Get together and buffet for all participants, Bus transfer to the Castle*

20:00 *Guided tour of the Castle of Heidelberg*

During all coffee and lunch breaks three posters with 9 MSK quiz cases will be on display *(Sprengel-SD, Rehm-J, Spira-D)*.

## Day 2 (July 25<sup>th</sup>)

9:00 Short Introduction and Welcome address  
*(Kauczor-HU, Heidelberg)*

#### Session 5 – Current trends in MSK imaging

*(chair: Kauczor-HU, Heidelberg)*  
09:05 Modern hip imaging – update 2015 *(Sutter-R, Zurich)*  
09:35 Modern MRI of hip and knee arthroplasty implants  
*(Fritz-J, Baltimore)*  
10:05 Recent advances in spine imaging *(Chuah-L, Erlangen)*

10:35-10:45 *Short coffee break*

#### Session 6 – Upper extremity – hot topics on imaging and intervention *(chair: Zeifang-F, Heidelberg)*

10:45 Pitfalls in sports – the shoulder joint *(Grainger-A, Leeds)*  
11:15 Image-guided percutaneous shoulder treatments  
*(Sconfienza-LM, Milano)*  
11:45 Pitfalls in sports – the elbow joint *(Zanetti-M, Zurich)*

12:15-13:15 *Lunch break and buffet*

#### Session 7 – Arthritis, spondylarthropathies and spinal injuries *(chair: Plathow-C, Baden-Baden)*

13:15 Whole-body MRI in SpA: worthwhile?  
*(Lecouvet-F, Brussels)*  
13:45 Inflammatory arthritis and osteoarthritis – how to differentiate? *(Spira-D, Heidelberg)*  
14:05 How to image spinal injuries? *(Hähnel-S, Heidelberg)*

14:35-14:45 *Short coffee break*

#### Session 8 – Metabolic and multisystemic diseases

*(chair: Nöldge-G, Heidelberg)*  
14:45 Bone marrow oedema – always an osteonecrosis?  
*(Karantanas-A, Heraklion)*  
15:15 Paget's disease – update 2015 *(Pullicino-V, Oswestry)*  
15:45 Sickle cell disease and haemophilia *(Arkun-R, Izmir)*  
16:15 Closing remarks *(Weber-MA, Heidelberg)*

16:20 *End of lecture programme*

16:20-16:35 *Coffee break, Get together, Bus transfer to the Old Town and the German Cancer Research Centre*

16:50 *Guided tour of the Old Town including the Market Square (Marktplatz), with the Church of the Holy Spirit (Heiliggeistkirche) and the nearby Old Bridge (Sprengel-SD, Winterstein-M)*

16:50 *Alternative programme: Visit of the 7-Tesla MRI unit at the German Cancer Research Centre (Marschar-A)*

## Venue

The symposium will take place at the Centre for Orthopaedics, Trauma Surgery and Spinal Cord Injury, University Hospital Heidelberg.

Schlierbacher Landstr. 200a  
D-69118 Heidelberg/Germany

### Registration and further information

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or visit: [www.heidelbergsummerschool.de](http://www.heidelbergsummerschool.de)

Early registration until June 1<sup>st</sup>, 2015: 219 €  
Registration fee after June 1<sup>st</sup>, 2015: 299 €

### Course Director

Marc-André Weber, MD MSc  
Professor of Radiology, Section Head Musculoskeletal Radiology, University Hospital Heidelberg



**In cooperation with the Academy for Continuing Medical Education in Radiology of the German Radiological Society.**

### CME Accreditation

The Summer School is accredited by the "Landesärztekammer Baden-Württemberg" with 16 CME credits (category A), which are recognised by all German Medical Chambers and the German Radiological Society.



Also, the Summer School is accredited for 1 category 3 credit point for the ESSR diploma by the European Society of Musculoskeletal Radiology.

A symposium related confirmation will be available during the meeting at the registration desk.

### Acknowledgement

This event is sponsored by Siemens.