

Programme

4th Luxembourg Osteotomy Congress

Deutsche
Arthrose-Hilfe e.V.
DAH

LUXEMBOURG
INSTITUTE
OF HEALTH
RESEARCH ORIENTED TO LIFE

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DEGENERATIVE and POSTTRAUMATIC DEFORMITIES?
Preserve the knee joint!

30 November – 1 December 2018 Centre Hospitalier, Luxembourg

Chairmen: Dietrich Pape, MD, PhD, Professor | Romain Seil, MD, PhD, Professor
Co-Chairmen: Dieter Kohn, MD, PhD, Professor | Henning Madry, MD, PhD, Professor
Andrey Korolev, MD, PhD, Professor

International experts • Hands-on workshops • www.osteotomy-congress.com

Dear Colleagues,

Experts estimate that up to 1/3 of knee replacement patients may have benefited from an osteotomy instead. European Arthroplasty Registers clearly show that up to 20% of all patients with total knee prosthesis are not satisfied with their knee function, mainly because of residual stiffness and pain. Although the number of osteotomies per year is still low, scientific interest in joint preserving procedures is rising worldwide due to improvements of planning, surgical technique and implants.

Moreover, the indications for osteotomies around the knee are much broader and imply e.g. the simultaneous treatment of deformities and ligament instabilities including the patellofemoral joint. In approximately 25% of all deformity patients, the origin of malalignment is distant from the joint line and the determination of the centre of rotation and angulation (CORA method) of the deformity is mandatory. Multiplanar deformities can be dealt with double osteotomies or – in the presence of soft-tissue compromise – with newly designed external fixators which allow for a simultaneous angular and limb length correction.

This 4th International Osteotomy Congress in Luxembourg is supposed to inform both young and experienced colleagues in the field of orthopedic/trauma surgery who regularly treat patients with knee OA and post-traumatic deformities. It offers a unique opportunity to gather detailed

information on various techniques and implants from numerous industrial partners at a single event.

A panel of high level International experts will present their favourite treatment algorithm. Critical discussions of these presentations are guaranteed.

A number of hands-on workshops add to the practical experience.

We hope that the scientific programme will help you to maintain the state of the art of this rapidly evolving field and to help you choosing the "right" implant for each patient.

We look forward to welcoming you in Luxembourg in November 2018.

Prof. Dr. Dietrich Pape Prof. Dr. Romain Seil



Friday, 30 November 2018

09.00	Registration
09.15	Welcome / Pape, Seil
SESSION I: Osteotomies for degenerative deformities Chair: Pape, Seil	
09.30	History of osteotomies / Wilson A.
09.45	HTO and biological preservation of the knee / Madry
10.00	Biomechanics of osteotomies around the knee / Amis
10.15	5 years result from the Swedish Osteotomy Register / W-Dahl
10.30	Joint line orientation in osteotomies / Kley
10.45	Double-level osteotomy – technique and results / Staubli
11.00	Discussion
11.15	Coffee Break
11.45	How to design a good clinical study / Mouton
12.00	Biomechanical testing of osteotomy plates / Maas
12.15	Finite Element Analysis in HTO / Diffo Kaze
12.30	Fill the wedge – biomechanical implications / Belsey
12.45	Stress and strain concept in bone healing Stoddard, AO-Institute
13.00	Discussion

13.15	Lunch Break
SESSION II: Epidemiology/Complications/New techniques Chair: Kohn, Teitge	
14.15	British Osteotomy Registry: update on UKKOR / Wilson C.
14.30	Reducing the risks: surgical principals for HTO / Pape
14.45	Neurovascular complications – worst case scenario / Gerich
15.00	Chronic bone infections / Borens
15.15	Fill the wedge – clinical implications / Claes
15.30	New implants, new challenges / Dawson
15.45	Osteotomies in the 3 rd World: simple fixation techniques for complex problems / Hügli, Fritschy
16.00	Discussion
16.15	Coffee Break
16.20-18.40	Workshops

Saturday, 1 December 2018

SESSION III: Advanced concepts for osteotomies

Chair: **Wilson A., van Heerwaarden**

- 08.15 Welcome / **Seil, Pape**
- 08.20 Minimal Invasive Surgery (MIS): surgical technique HTO
Wilson A.
- 08.40 Minimal Invasive Surgery (MIS): surgical technique DFO
Kley
- 09.00 Patient specific surgery (PSI) in osteotomies / **Fucentese**
- 09.20 Limits of and surgical alternatives to PSI
van Heerwaarden
- 09.40 Does alignment / high BMI affect cartilage thickness? / **Moyer**
- 10.00 HTO: a disease modifying operation? / **Giffin**
- 10.20 Osteotomies around the knee – the Russian perspective
Korolev
- 10.40 Basic principles of external fixation using the Ilizarov device
for the correction of bone deformities / **Solomin**
- 11.00 Discussion
- 11.15 Coffee Break

SESSION IV: Advanced concepts for osteotomies

Chair: **Teitge, Slynarski**

- 11.30 Torsional Deformities / **Teitge**
- 11.50 Distal tibial osteotomy / **Spennacchio**
- 12.05 Tibial slope correction in the PCL deficient knee / **Seil**
- 12.20 HTO and ACL: indications and surgical technique / **Slynarski**
- 12.40 HTO and TKA / **van Heerwaarden**
- 13.00 Gait analysis and HTO / **Meyer**
- 13.20 PSI for knee osteotomies: a new toolbox / **Ollivier**

13.40 Lunch Break

13.50-16.15 Workshops

Workshops

Saturday, 1 December 2018

- 13.50–14.10 WS 14: Össur – Evidence and recommendations for unloader bracing in knee OA management – Status Quo
- 14.30–15.00 WS 07: Stryker – How to cut the bone: Surgical principles with and without a precision saw blade / **Hoffmann, Kley**
WS 08: NewclipTechnics workshop with the Activemotion Plate – PSI surgical technique / **Ollivier**
- 15.15–15.45 WS 09: Brainlab – Digital planning of knee osteotomies (TraumaCad)
Dawson, Howard
WS 10: Medi Workshop – Braces for osteoarthritis and ligament injuries of the knee
- 15.45–16.15 WS 11: Brainlab – Digital planning of knee osteotomies (TraumaCad)
Dawson, Howard
WS 12: Medi Workshop – Braces for osteoarthritis and ligament injuries of the knee

Friday, 30 November 2018

- 16.20–16.40 WS 13: Össur – Evidence and recommendations for unloader bracing in knee OA management – Status Quo
- 16.45–17.15 WS 01: Hands-on workshop Johnson & Johnson Medical: Tibia / **Staubli**
WS 02: Hands-on workshop Arthrex: Open Wedge High Tibial Osteotomy / **Slynarski**
- 17.15–17.45 WS 03: Hands-on workshop Johnson & Johnson Medical: Tibia / **Staubli**
WS 04: Hands-on workshop Arthrex: Open Wedge High Tibial Osteotomy / **Slynarski**
- 18.10–18.40 WS 05: Stryker – How to cut the bone: Surgical principles with and without a precision saw blade / **Hoffmann, Kley**
WS 06: NewclipTechnics workshop with the Activemotion Plate – PSI surgical technique / **Ollivier**

We would like to thank our partner "Deutsche Arthrose-Hilfe e.V." and all other partners of the Luxembourg Osteotomy Congress 2018 for their extraordinary support!

Deutsche
Arthrose-Hilfe e.V.
DAH



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*Knorpelnetz der Großregion
Réseau du Cartilage de la Grande Région
Cartilage Net of the Greater Region*



Venue

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Times

Friday, 30 November 2018: 08.30h–18.30h
Saturday, 1 December 2018: 07.30h–16.15h

Convention Fees

Medical Specialist	290€
Fellow, Resident	240€
Student	120€

CME Credits

The event has been accredited by the *Ärztchamber des Saarlandes* with 20 credits in category C. Please sign the participants' list. Doctors with a German EFN should bring their barcode stickers.

How to reach

By airplane: The international airport of Luxembourg is just 6 km away from the city centre. Have a look at the website www.lux-airport.lu to see which airlines fly in to Luxembourg.

By train: Luxembourg is connected to the TGV and ICE network and can be reached from the bordered countries easily. For your information use the following links:
www.bahn.de | www.sncf.com | www.b-rail.be | www.sbb.ch

By car: Bordered by Belgium, France and Germany, Luxembourg is connected to the far corners of Europe by an excellent network of highways: A1, A13, A3, A4, A6, A7.

From the main station please use bus line 22 to reach the congress venue. Detailed information how to reach the "Amphitheatre, Centre Hospitalier de Luxembourg" can be found on:
www.chl.lu/fr/contact