

Programme

## 4<sup>th</sup> Luxembourg Osteotomy Congress

Deutsche  
Arthrose-Hilfe e.V.  
DAH

LUXEMBOURG  
INSTITUTE  
OF HEALTH  
RESEARCH ORIENTED TO LIFE

CHL  
Centre Hospitalier  
de Luxembourg

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

[www.lih.lu](http://www.lih.lu)

International experts • Hands-on workshops • [www.osteotomy-congress.com](http://www.osteotomy-congress.com)

Dear Colleagues,

Experts estimate that up to 1/3 of knee replacement patients may have benefitted 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 center 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 4<sup>th</sup> 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 posttraumatic deformities. It offers a unique opportunity to gather detailed

information of 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**

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<sup>rd</sup> World: simple fixation techniques for complex problems / **Hügli, Fritschy**

16.00 Discussion

16.15 Coffee Break

16.45-18.30 Workshops

Saturday, 1 December 2018

SESSION III: Advanced concepts for osteotomies

- 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

- 11.30 Torsional Deformities / **Teitge**
- 11.50 Distal tibial osteotomy / **Spenacchio**
- 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**
- 13.20 PSI for knee osteotomies: a new toolbox / **Ollivier**
- 13.40 Lunch Break
- 14.30-16.15 Workshops

Friday, 30 November 2018

- 16.45–17.15  
WS 01: Hands-on workshop Synthes: Tibia / **Staubli**
- WS02: Hands-on workshop Arthrex: Open Wedge High Tibial Osteotomy  
**Slynarski**
- 17.15–17.45  
WS 03: Hands-on workshop Synthes: Tibia / **Staubli**
- WS 04: Hands-on workshop Arthrex: Open Wedge High Tibial Osteotomy  
**Slynarski**
- 18.00–18.30  
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**

Saturday, 1 December 2018

- 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

Workshops

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



Programme

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



## Venue

Amphitheatre, Centre Hospitalier de Luxembourg,  
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## Organiser

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## Times

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

## Registration & Accommodation

Please consult the the website [www.osteotomy-congress.com](http://www.osteotomy-congress.com)  
for online registration and accommodation options.

## Convention Fees

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

## 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](http://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](http://www.bahn.de) / [www.sncf.com](http://www.sncf.com) / [www.b-rail.be](http://www.b-rail.be) / [www.sbb.ch](http://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](http://www.chl.lu/fr/contact)