



## **1<sup>st</sup> International Osteotomy Course Basel**

**12. & 13.02.2026**

Biozentrum Basel

Anatomical Institute Basel

### **MAIN PROGRAM**



**1<sup>ST</sup> INTERNATIONAL  
OSTEOTOMY COURSE  
BASEL**

**FURTHER INFORMATION AT:  
[WWW.OSTEOTOMYCOURSE.CH](http://WWW.OSTEOTOMYCOURSE.CH)**



### Join us for our first International Osteotomy Course in Basel!

This comprehensive course offers both basic and advanced modules, focusing on 2D and 3D deformity analysis and planning, as well as the latest treatment concepts for bone deformities and defects. General lectures will cover fundamental principles, surgical techniques, complication management, and case-based discussions.

#### Basic Module

Designed for those new to deformity correction, this module teaches digital 2D deformity analysis and planning. Participants will explore indications for osteotomies around the knee, including cases involving ligament and cartilage pathologies, guided by a renowned international faculty. Step-by-step demonstrations of surgical techniques for standard osteotomies will be provided, along with hands-on workshops using sawbone models and different plates.

#### Advanced Module

Tailored for orthopaedic surgeons with foundational experience in deformity correction, this module offers in-depth training in the Anatomical Institute of Basel using cadaver specimens. Participants will further develop their surgical skills and expand their knowledge of 3D deformity planning and analysis through specialized workshops led by a distinguished international faculty. The course also includes training in the reconstruction of bone defects and insights in osteotomy with partial arthroplasty.

Yours sincerely



**PD Dr. Florian Imhoff**

Senior consultant  
Head of knee surgery  
Co-chair Deformity Correction and  
Bone Healing Unit  
Dept. of Orthopaedic and Trauma Surgery  
University Hospital Basel



**PD Dr. Mario Morgenstern**

Senior consultant  
Deputy head of Center for  
Musculoskeletal Infections  
Co-chair Deformity Correction and  
Bone Healing Unit  
Dept. of Orthopaedic and Trauma Surgery  
University Hospital Basel

## OBJECTIVES

### General:

- Deformity analysis around the knee, case-based discussion
- Indication and algorithm
- Development of a treatment plan
- Management of complications

### Basic module:

- 2D deformity analysis and correction plan
- Insights in planning software
- Step by step surgical techniques
- Deformity correction in saw-bone workshops

### Advanced module:

- 3D deformity analysis and 3D correction plan with patient specific guides
- Bone defect reconstruction
- Step by step surgical techniques, combined partial arthroplasty
- Deformity correction in cadaveric workshop

## LIST OF SPEAKERS

**Dr. Heiko Baumgartner**  
Tübingen (Germany)

**Prof. Gerrit Bode**  
Freiburg (Germany)

**Prof. Martin Clauss**  
Basel (Switzerland)

**Dr. Felix Ferner**  
Lichtenfels (Germany)

**Prof. Matthias Feucht**  
Freiburg (Germany)

**Prof. Julian Fürmetz**  
Murnau (Germany)

**Dr. Jörg Harrer**  
Lichtenfels (Germany)

**PD Dr. Florian Imhoff**  
Basel (Switzerland)

**Prof. Andreas Krieg**  
Basel (Switzerland)

**PD Dr. Robin Martin**  
Lausanne (Switzerland)

**Dr. Philipp Mayer**  
Markgröningen (Germany)

**Prof. Willem-Jan Metsemakers**  
Leuven (Belgium)

**PD Dr. Hermes Miozzari**  
Genf (Switzerland)

**PD Dr. Mario Morgenstern**  
Basel (Switzerland)

**PD Dr. Jochen Paul**  
Muttenz (Switzerland)

**Prof. Sven Scheffler**  
Berlin (Germany)

**Prof. Philipp Schuster**  
Markgröningen (Germany)

**Prof. Karl Stoffel**  
Basel (Switzerland)

**PD Dr. Lazaros Vlachopoulos**  
Zürich (Switzerland)

**Prof. Björn Vogt**  
Münster (Germany)



**08:30 Registration and welcome coffee Biozentrum**

**09:30 LECTURES ALL**  
**Principles and planning**

*Lecture Room Biozentrum*

10'+5' **Standard values, imaging, leg geometry**  
F. Ferner

10'+5' **Standard indications for osteotomy around the knee joint**  
J. Paul

10'+5' **Principles of correction osteotomy**  
B. Vogt

10'+5' **Double level osteotomy – indication and planning**  
M. Feucht

10'+5' **2D planning – step by step**  
P. Mayer

10'+5' **CORA principles – analysis and implementation**  
J. Fürmetz

**11:00 Coffee break**

**11:30 BASIC LECTURES**  
**Surgical technique**

*Lecture Room Biozentrum*

10'+5' **Technique: HTO, open and closing wedge**  
S. Scheffler

10'+5' **Technique: tibial slope correction**  
P. Schuster

10'+5' **Technique: DFO, medial closing wedge**  
J. Fürmetz

10'+5' **Technique: DFO, lateral open and closing wedge**  
L. Vlachopoulos

10'+5' **Technique: femoral derotational osteotomy**  
G. Bode

**11:30 ADVANCED WORKSHOP**  
**Hands on**

*Room Bubble 1 + 2 Biozentrum*

90' **Digital planning 3D**  
**Analysis of deformity**  
**Correction simulation**  
**PSI HTO/DFO**

**Sawbones**

Instructors:  
M. Clauss, J. Harrer, F. Imhoff,  
R. Martin, W. Metsemakers, H. Miozzari,  
K. Stoffel, L. Vlachopoulos, B. Vogt

**13:00 Lunch break**

**14:00 BASIC WORKSHOP**  
**Digital planning**

*Room Bubble 1 + 2 Biozentrum*

10' **Introduction planning software**  
mediCAD

110' **Analysis of deformity**  
**Correction simulation**

Instructors:  
G. Bode, F. Ferner, M. Feucht,  
P. Mayer, J. Paul, P. Schuster

**14:00 ADVANCED LECTURES**  
**Surgical technique**

*Lecture Room Biozentrum*

15'+5' **Plate vs. nail at the femur – case presentation and biomechanical aspects**  
K. Stoffel

15'+5' **Torsional osteotomy plate vs nail**  
J. Harrer

15'+5' **Lengthening – my approach**  
B. Vogt

15'+5' **Lengthening – my approach**  
A. Krieg

15'+5' **Defects after fractures – my approach**  
H. Baumgartner

15'+5' **Non-union after fractures – my approach**  
W. Metsemakers

**16:00 Coffee break**

**16:30 LECTURES ALL**  
**Operative management**

*Lecture Room Biozentrum*

10'+5' **Postoperative protocol and outcome – how does gait change?**  
J. Paul

10'+5' **Osteotomy vs partial arthroplasty – planning and decision**  
H. Miozzari

10'+5' **Intra- and postoperative complications – risk and assessment**  
R. Martin

10'+5' **Hinge fractures – what to do?**  
F. Imhoff

10'+5' **Basic treatment algorithm for infections: FRI/CORI**  
M. Clauss

10'+5' **Non-union after osteotomy – what to do?**  
M. Morgenstern

**18:00 End day 1**

|                                                                                                             |                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 07:30 Welcome coffee Biozentrum                                                                             |                                                                                                                                                                      |
| 08:00 LECTURES ALL Biomechanics                                                                             |                                                                                                                                                                      |
| Lecture Room Biozentrum                                                                                     |                                                                                                                                                                      |
| 10'+5'                                                                                                      | <b>Knee instability – JLCA and coronal plane insufficiencies</b><br>P. Schuster                                                                                      |
| 10'+5'                                                                                                      | <b>Knee instability – sagittal alignment on ACL/PCL and pivot shift</b><br>M. Feucht                                                                                 |
| 10'+5'                                                                                                      | <b>PSI versus freehand – my experience</b><br>R. Martin                                                                                                              |
| 10'+5'                                                                                                      | <b>Intraarticular knee deformity correction – planning and execution</b><br>L. Vlachopoulos                                                                          |
| 10'+5'                                                                                                      | <b>Biomechanical thoughts on: proximal vs. distal femoral torsion correction</b><br>J. Harrer                                                                        |
| 10'+5'                                                                                                      | <b>Biomechanical thoughts on: proximal vs. distal tibial torsion correction</b><br>F. Imhoff                                                                         |
| 09:30 Coffee break                                                                                          |                                                                                                                                                                      |
| 10:00 BASIC SAWBONE WORKSHOP                                                                                | 10:00 ADVANCED CADAVER WORKSHOP                                                                                                                                      |
| Room Bubble 1 + 2 Biozentrum                                                                                |                                                                                                                                                                      |
| 120'                                                                                                        | 120'                                                                                                                                                                 |
| <b>Technique and fixation on sawbones</b>                                                                   | <b>High tibial OT</b>                                                                                                                                                |
| <b>High tibial OT</b>                                                                                       | <b>Distal femoral OT</b>                                                                                                                                             |
| <b>Distal femoral OT</b>                                                                                    | <b>Uni arthroplasty + HTO</b>                                                                                                                                        |
| Instructors:<br>G. Bode, F. Ferner, M. Feucht,<br>F. Imhoff, P. Mayer, H. Miozzari,<br>J. Paul, P. Schuster | <b>Lengthening nail</b>                                                                                                                                              |
|                                                                                                             | <b>Retrograde femur nailing</b>                                                                                                                                      |
|                                                                                                             | <b>Hexapod-fixateur</b>                                                                                                                                              |
|                                                                                                             | Instructors:<br>H. Baumgartner, M. Clauss, J. Fürmetz,<br>J. Harrer, A. Krieg, R. Martin,<br>W. Metsemakers, M. Morgenstern,<br>K. Stoffel, L. Vlachopoulos, B. Vogt |
| 12:00 Lunch break                                                                                           |                                                                                                                                                                      |

|                                                                                |                                                                                                                                                                      |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13:00 BASIC LECTURES Articular problems                                        | 13:00 ADVANCED CADAVER WORKSHOP                                                                                                                                      |
| Lecture Room Biozentrum                                                        | Anatomical Institute                                                                                                                                                 |
| 15'+5'                                                                         | 120'                                                                                                                                                                 |
| <b>Patellofemoral disorders – when to adress axis/torsion</b><br>P. Mayer      | <b>High tibial OT</b>                                                                                                                                                |
| 15'+5'                                                                         | <b>Distal femoral OT</b>                                                                                                                                             |
| <b>Tuberosity osteotomy – indication and effect</b><br>H. Miozzari             | <b>Uni arthroplasty + HTO</b>                                                                                                                                        |
| 15'+5'                                                                         | <b>Lengthening nail</b>                                                                                                                                              |
| <b>Cartilage lesion – when do I adress axis</b><br>G. Bode                     | <b>Retrograde femur nailing</b>                                                                                                                                      |
| 15'+5'                                                                         | <b>Hexapod-fixateur</b>                                                                                                                                              |
| <b>Meniscal lesion – my algorithm for additional osteotomy</b><br>S. Scheffler | Instructors:<br>H. Baumgartner, M. Clauss, J. Fürmetz,<br>J. Harrer, A. Krieg, R. Martin,<br>W. Metsemakers, M. Morgenstern,<br>K. Stoffel, L. Vlachopoulos, B. Vogt |
| 15'+5'                                                                         |                                                                                                                                                                      |
| <b>Case discussion: slope and ACL staging</b><br>P. Schuster                   |                                                                                                                                                                      |
| 15'+5'                                                                         |                                                                                                                                                                      |
| <b>Case discussion: chronic collateral ligament insufficiency</b><br>M. Feucht |                                                                                                                                                                      |
| 15:00 Coffee break                                                             |                                                                                                                                                                      |
| 15:30 LECTURES ALL Round up                                                    |                                                                                                                                                                      |
| Lecture Room Biozentrum                                                        |                                                                                                                                                                      |
| 15'+5'                                                                         |                                                                                                                                                                      |
| <b>Adolosecent – assessment and indication for correction</b><br>B. Vogt       |                                                                                                                                                                      |
| 15'+5'                                                                         |                                                                                                                                                                      |
| <b>My best and my worst case</b><br>W. Metsemakers                             |                                                                                                                                                                      |
| 30'                                                                            |                                                                                                                                                                      |
| <b>Take home messages</b><br>F. Imhoff, M. Morgenstern                         |                                                                                                                                                                      |
| 16:30 End day 2                                                                |                                                                                                                                                                      |

## ACCREDITATION

swiss orthopaedics: 16 credits

## AGA PATRONAGE



## CERTIFIED BY DKG



## COST

Basic Course: CHF 550.– (incl. VAT)

Advanced Course: CHF 950.– (incl. VAT)

## DATE AND LOCATION

Thursday, 12 February – Friday, 13 February 2026

- 1 Anatomical Institute Basel, Petalozzistrasse 20, 4056 Basel
- 2 Biozentrum, University of Basel, Spitalstrasse 41, 4056 Basel

