We believe that no one should suffer from debilitating back, neck, or leg pain.

Our mission is to improve the lives of our patients by creating solutions and procedures that revolutionize spine surgery.

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Ladies and Gentlemen,
Dear Colleagues,

Specialisation is a widespread temporary phenomenon in our field and seems to be unavoidable. High performance requires specialised knowledge and education. As a result, generalists characterised by an overall view in associated pathologies and methods become rare. We should be aware of the concomitant disadvantages concerning this development.

“Hip meets spine” is a new approach bringing experts from two specialities together for a scientific exchange. Our aim is to open the view for adjacent anatomical regions and associated pathologies. The implication of interaction between hip and spine becomes increasingly significant with recent developments and approaches like adjustment of pelvic and spinal alignment. In addition, overarching topics such as implant associated infections and fast track concepts were often developed without looking to neighboring disciplines.

Scientific exchange is not just fruitful between different specialities but also between various regions. Whereas hip and spine surgeons sometimes seem to speak different languages, experts from different countries do that by nature. France and Germany are historically important concerning development and research within the orthopaedic society and are still in a leading position.

So dare to look with us across the Rhine respectively the sacroiliac joint. It is our pleasure to provide a platform for an international meeting with renowned experts.

We warmly welcome you and look forward to seeing you in the charming and inspiring university city of Heidelberg!

Dr. med. Bernd Wiedenhöfer
Prof. Dr. Yann Philippe Charles
Prof. Dr. med. Georg Köster
Prof. Dr. med. Michael Clarius
ORGANISATION AND IMPRINT

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## PROGRAMME OVERVIEW

### Friday, 22 March

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SESSION 1 • ALIGNMENT – BASICS

09:00–10:45

Chairs
G. Köster (Lorsch/DE), H. Koller (Munich/DE)

09:00 Biomechanics of the hip
S. Jäger (Heidelberg/DE)

09:15 Biomechanics of the spine and sacroiliac joint
W. Skalli (Paris/FR)

09:30 Sacroiliac joint – key joint of compensation and pain generation
A. Burtscher (Bad Aibling/DE)

09:45 Motion analysis – Is it enough to analyze x-rays and posture?
M. Rickert (Frankfurt a. M./DE)

10:00 Primary compensatory mechanisms of the hip and spine – essentials for spine and hip surgeons
B. Wiedenhöfer (Heidelberg/DE)

10:15 Hip contracture and limb length – interruption compensatory mechanisms: impact on spine and hip surgery
C. Merle (Heidelberg/DE)

10:30 Combined pelvic and hip anteversion
G. Wassilew (Greifswald/DE)

10:45–11:15 Coffee break

11:15–11:45 KEYNOTE LECTURE I • SAGITTAL ALIGNMENT
P. Roussouly (Lyon/FR)

11:45–13:00 SESSION 2 • ALIGNMENT – IMPACT ON SURGICAL PLANNING I

Chairs
M. Clarius (Bad Rappenau/DE)
I. Obeid (Bordeaux/FR)

11:45 Planning a total hip replacement – What is indispensable? What do we also need to consider for good results?
P. R. Aldinger (Stuttgart/DE)
12:00  Relationship between sagittal spinal alignment and acetabulum orientation
J. Y. Lazennec (Paris/FR)

12:15  Challenges with coronal balance in spinal deformity surgery – the forgotten plan
H. Koller (Munich/DE)

12:30  Surgical planning of spinal deformity surgery including the hip and femur – global sagittal alignment and global tilt
I. Obeid (Bordeaux/FR)

12:45  Anterior and posterior approach to the lumbo sacral spine for optimized sagittal alignment
C. Barrey (Lyon/FR)

13:00–13:30  Coffee break

13:30–14:30  Lunch workshop (see page 16)

14:45–16:30  SESSION 3 • ALIGNMENT – IMPACT ON SURGICAL PLANNING II
Chairs
P. Adam (Strasbourg/FR)
B. Wiedenhöfer (Heidelberg/DE)

14:45  MIS spine surgery – How can we address sagittal alignment?
R. Schmidt (Göppingen/DE)

15:00  Coxarthrosis and lumbar degenerative scoliosis: What should be operated first?
J.-P. Steib (Strasbourg/FR)

15:15  Osteotomies of the sacrum – indications and influence on hip and spine
P. Roussouly (Lyon/FR)

15:30  Sagittal thoraco-lumbar alignment of the aging patient – Should we target the same goals?
J.-P. Steib (Strasbourg/FR)

15:45  Customized rod shape for ideal sagittal alignment correction
B. Blondel (Marseille/FR)
16:00  Revision of complex spine surgery strategic needs and helpful tools  
I. Obeid (Bordeaux/FR)

16:15  Evaluation and treatment of camptocormia  
J.-M. Vital (Bordeaux/FR)

16:30–16:50  Coffee break

16:50–19:05  SESSION 4 • ROBOTICS

**Chairs**  
M. N. Thomsen (Baden-Baden/DE)  
Y. P. Charles (Strasbourg/FR)

16:50  Navigation in spine surgery – benefits and risks especially in deformity surgery  
N. Bronsard (Nice/FR)

17:20  Navigation in hip surgery  
D. Lazovic (Oldenburg/DE)

17:35  Augmented reality in spine surgery  
Y. P. Charles (Strasbourg/FR)

17:50  Diagnostic algorithm including navigation for sacroiliac joint fusion  
N. Bronsard (Nice/FR)

18:20  Augmented reality in interventional spine radiology  
R. L. Cazzato (Strasbourg/FR)

18:35  Does intraoperative CT modify the strategy in spine surgery?  
B. Blondel (Marseille/FR)

18:50  Neuromonitoring by the spine surgeon  
C. Barrey (Lyon/FR)

20:00  Dinner at the Kulturbrauerei Heidelberg
SCIENTIFIC PROGRAMME • SATURDAY, 23 MARCH

09:00–10:45 SESSION 5 • FAST TRACK SURGERY I
Chairs M. Clarius (Bad Rappenau/DE)
J.-P. Steib (Strasbourg/FR)

09:00–09:30 KEYNOTE LECTURE II • FAST TRACK SURGERY
H. Husted (Copenhagen/DK)

09:30 Physiotherapy – better in better out
M. Renken (Dieburg/DE)

09:45 Patient education – Is the patient able to remember the key messages?
F. Thorey (Heidelberg/DE)

10:00 Patient blood management
C. Charles (Strasbourg/FR)

10:15 Hip replacement as outpatient surgery: Is it the common future?
M. Krieger (Wiesbaden/DE)

10:30 Rapid recovery in hip replacement: midterm experience of 40,000 arthroplasties
K. Bohlen (Hamburg/DE)

10:45–11:15 Coffee break

11:15–12:15 Lunch workshop (see page 16)

12:30–13:45 SESSION 6 • FAST TRACK SURGERY II
Chairs C. Merle (Heidelberg/DE)
M. Rickert (Frankfurt a. M./DE)

12:30 Rapid recovery in spine surgery
B. Debono (Toulouse/FR)

12:45 Patient follow-up using smartphone apps in outpatient spine surgery
B. Debono (Toulouse/FR)

13:00 Endoscopic disc hernia surgery
S. Schuller (Strasbourg/FR)
13:15  Does rapid recovery surgery influence patient outcomes in spine surgery?  
U. Hubbe (Freiburg i. Br./DE)

13:30  Indication as safety measures for outpatient cervical surgery  
J.-M. Vital (Bordeaux/FR)

13:45–14:00  Summary of both days and farewell
Prof. Philippe Adam  
Orthopaedics and Traumatology  
Hôpital de Hautepierre  
Strasbourg, France

Dr. Roberto Luigi Cazzato  
Interventional Radiology  
Strasbourg University Hospital  
Strasbourg, France

Prof. Dr. med. Peter R. Aldinger  
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Dr. Nicolas Bronsard  
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Dr. Ariane Burtscher  
Schön Klinik Harthausen Zentrum für Schmerztherapie  
Bad Aibling, Germany

Dr. Henrik Husted  
Arthroplasty Department Department of Orthopaedics Hvidovre, Glostrup and Amager Hospitals  
Copenhagen, Denmark
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Bordeaux, France

Prof. Dr. med. Georgi Wassilew
Orthopaedics and Orthopaedic
Surgery
Universitätsmedizin Greifswald
Greifswald, Germany

Dr. med. Bernd Wiedenhöfer
Spine Centre Wiedenhöfer &
Matschke
ATOS Clinic Heidelberg
Heidelberg, Germany
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K2M
WORKSHOPS

Friday, 22 March
13:30–14:30  LUNCH WORKSHOP
ZIMMER BIOMET DEUTSCHLAND GMBH
Speakers  M. Clarius (Bad Rappenau/DE)
M. Krieger (Wiesbaden/DE)
Topic  Rapid Recovery Programme and Patient Journey App
- Clinic specific information via Patient Journey App – first results and experience (M. Clarius)
- Rapid Recovery implementation an interdisciplinary team approach – What needs to be considered (M. Krieger)
- Discussion

Saturday, 23 March
11:15–12:15  LUNCH WORKSHOP
SI-BONE DEUTSCHLAND GMBH
Speakers  N. Bronsard, R. B. de Dompsure (Nice/FR)
Topic  The painful sacroiliac joint – Who are the patients?
- How to establish the diagnosis?
- When do we decide to operate?
  A multidisciplinary approach
- Treatment options and clinical overview
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State: 07 March 2019
GENERAL INFORMATION

REGISTRATION
Registration for the conference is required. Please register online at www.hip-meets-spine.com.

Registration fees
Physician 175 EUR
Assistant physician 120 EUR
Basic scientist, non-medical participant* 100 EUR
Student* 80 EUR

* Please send a confirmation of your status either to registration@conventus.de, or by Fax +49 3641 31 16-244 to Conventus GmbH indicating the keyword: HMS2019
Carl-Pulfrich-Straße 1, 07745 Jena, Germany

CONFERENCE LANGUAGE
The official conference language is English.

CERTIFICATION
An application was handed in to the European Accreditation Council for Continuing Medical Education (EACCME) for European CME credits (ECMEC).
Additionally, the conference was applied at the Medical Chamber Baden-Württemberg.

CERTIFICATE OF ATTENDANCE
For certification, you must provide proof of attendance. Therefore please sign the list of attendants at the check-in every day.

WIFI ACCESS
WiFi is available for free throughout the whole conference area.

CATERING
During the coffee breaks we offer beverages and snacks within the industrial exhibition.

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