

Course Directors

Joachim Oertel, M.D., Ph.D.
 Department of Neurosurgery
 Saarland University Medical Center
 Homburg-Saar, Germany

Sebastian Antes, M.D.
 Department of Neurosurgery
 Saarland University Medical Center
 Homburg-Saar, Germany

Organization / Location

Sebastian Antes, M.D.
 Lisa Senger
 Janine Veith
 Department of Neurosurgery
 Kirrberger Straße, Building 90.5
 Saarland University Medical Center
 66421 Homburg-Saar, Germany

Phone: +49 (0) 6841 1624400
 Fax: +49 (0) 6841 1624480
 E-Mail: Neurochirurgie.Direktion@uks.eu

Accommodation

The participants are kindly asked to book the rooms themselves.

Schlossberg-Hotel Homburg www.schlossberghotel-homburg.de	Singleroom: 95,00 € Doubleroom: 150,00 €
Hotel Stadt Homburg www.hotel-stadt-homburg.de	Singleroom: 79,00 € Doubleroom: 109,00 €
Hotel Rabenhorst www.hotel-rabenhorst.de	Singleroom: 95,00 € Doubleroom: 160,00 €
Hotel Euler www.hoteleuler.de	Singleroom: 81,00 € Doubleroom: 99,00 €

**CME Certification
 (Continuing Medical Education)**

The Saarland Medical Council will award CME-Certificates for participation of this workshop with 21 points.

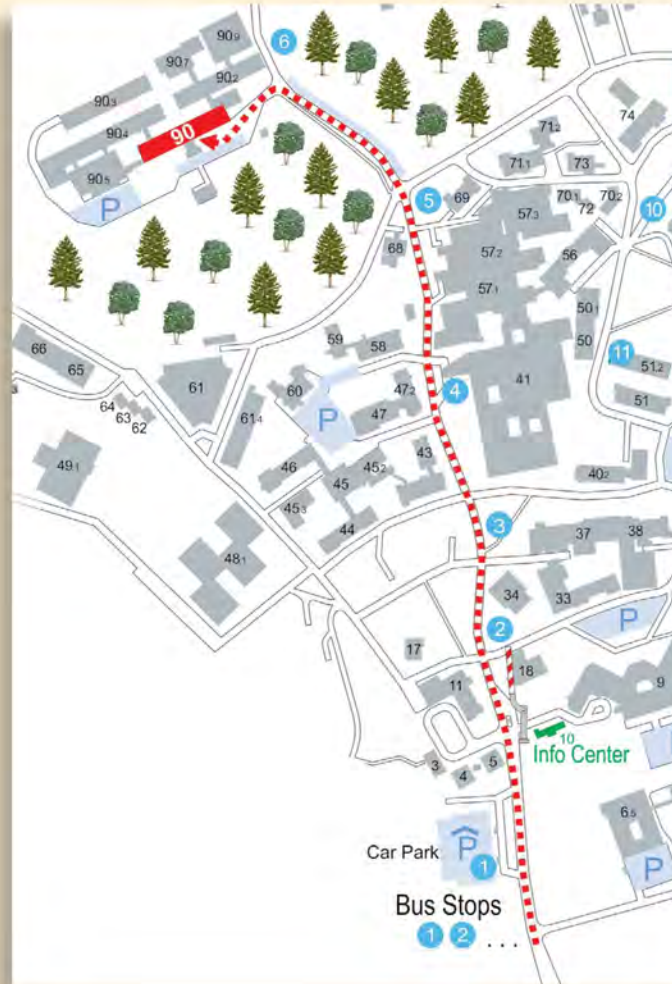


Venue on Wednesday, Nov. 23, 2016:

Schlossberg-Hotel Homburg
 Schlossberg-Höhenstraße
 D-66424 Homburg-Saar, Germany
www.schlossberghotel-homburg.de

Venue on Thursday and Friday, Nov. 24 and 25, 2016:

Department of Neurosurgery
 Building 90
 Saarland University Medical Center
 Kirrberger Straße
 66421 Homburg-Saar, Germany



**Department of Neurosurgery
 Homburg-Saar, Germany
 November 23 - 25, 2016**



Dear colleagues

Hydrocephalus is a progressive condition, leading sooner or later to severe restrictions on the patient's everyday life. Our concern, however, must be to take advantage of modern medical advances for early recognition, sufficient therapy and intensive after-care of the disease. Recent innovative developments in the field of neuroendoscopy, cerebral shunting and intracranial pressure monitoring represent major steps towards achieving the best possible patient care.



Prof. Dr. Joachim Oertel

Our intention for the first "Homburg ICP and Hydrocephalus Workshop" is to recapitulate the general understanding of hydrocephalus and to discuss modern therapeutic approaches. One main focus will be on telemetric intracranial pressure monitoring. The long-term application of this technique provides unprecedented insights into the illness and supports important medical decisions. We expect telemetry to become an integral part of neurosurgery in the future.



Dr. Sebastian Antes

Our staff and selected experts welcome you here for intense discussions, hands-on experience and live surgery cases. We are looking forward to the upcoming workshop!

Sincerely yours,

Prof. Dr. Joachim Oertel

Dr. Sebastian Antes

Wednesday, Nov. 23, 2016

17:00 - 19:20

„Schlossberg Hotel“, Homburg-Saar

Section I BASICS

- 16:00 **Registration & Get-together**
- 17:00 **Welcome**
Joachim Oertel, Homburg-Saar, Germany
- 17:10 **History of Hydrocephalus**
Peter Grunert, Homburg-Saar, Germany
- 17:30 **Normal Pressure Hydrocephalus – Understanding, Recognition and Treatment of the Disease**
Uwe Kehler, Hamburg, Germany
- 17:50 **Childhood Hydrocephalus – Etiology and Prognosis**
Stefan Linsler, Homburg-Saar, Germany
- 18:10 **Obstructive Hydrocephalus – A Special Variant**
Michael Heckelmann, Meppen, Germany
- 18:30 **Modern Imaging Techniques in Hydrocephalus**
Umut Yilmaz, Homburg-Saar, Germany
- ☕ 18:50 **COFFEE BREAK**
- 19:00 **High Age and Dementia – Differential Diagnoses of Hydrocephalus**
Klaus Faßbender, Homburg-Saar, Germany

19:20 - 20:20

„Schlossberg Hotel“, Homburg-Saar

Section II SHUNT TREATMENT

- 19:20 **General Indications for Cerebral Shunting**
Simon Mayer, Ulm, Germany
- 19:40 **Basics of Cerebral Shunting – How it Works**
Stefan Linsler, Homburg-Saar, Germany
- 20:00 **Complications of Shunting – A Dangerous Procedure?**
Uwe Kehler, Hamburg, Germany
- 20:20 **End of the scientific part**

DINNER

- 20:30 **Dinner and Get-together at the “Schlossberg-Hotel“, Homburg-Saar**



Thursday, Nov. 24, 2016

09:00 - 10:30

Build. 90.5 - Dept. of Neurosurgery

Section II SHUNT TREATMENT

- 09:00 **Welcome**
Joachim Oertel, Homburg-Saar, Germany
- 09:10 **Modern Shunt Therapy – Progress Through Adjustability**
Christoph Tschan, Meppen, Germany
- 09:30 **LIVE SURGERY**
Implantation of a Cerebral Shunt
Joachim Oertel & Sebastian Antes, Homburg-Saar, Germany

10:30 - 15:30

Build. 90.5 - Dept. of Neurosurgery

Section III ICP PART I

- 10:30 **Measurement of Intracranial Pressure – History, Indications and Techniques**
Kay Mursch, Bad Berka, Germany
- 10:50 **Interpretation of Intracranial Pressure**
Sebastian Antes, Homburg-Saar, Germany
- 11:10 **Non-invasive Techniques for Assessing Raised ICP in Hydrocephalus**
Llewellyn Padayachy, Cape Town, South Africa
- 🕒 11:30 **LUNCH BREAK**
- 13:00 **The Sensor Reservoir – a New Device to Measure CSF Pressure in a Cerebral Shunt**
Christoph Miethke, Potsdam, Germany
- 13:20 **Telemetric Monitoring Technology: The Experience of the National Hospital**
Laurence Watkins, London, UK
- 13:40 **Benefits and Limitations of the Sensor Reservoir in Clinical Routine**
Sebastian Antes, Homburg-Saar, Germany
- 14:00 **Can the Sensor Reservoir Reduce Shunt Revisions?**
Thomas Freiman, Frankfurt, Germany
- 14:20 **WORKSHOP I**
Handling of the Sensor Reservoir System
David Breuskin & Sebastian Antes, Homburg-Saar, Germany
- ☕ 15:00 **COFFEE BREAK**



B | BRAUN
SHARING EXPERTISE

 **RAUMEDIC**
— Lifeline to Health —

FACULTY

Invited Speakers

Freiman, Thomas, M.D., Ph.D.

Department of Neurosurgery
Goethe University
Frankfurt, Germany

Heckelmann, Michael, M.D.

Department of Neurosurgery
Ludmillenstift Hospital
Meppen, Germany

Kehler, Uwe, M.D., Ph.D.

Department of Neurosurgery
Asklepios Hospital Altona
Hamburg, Germany

Mayer, Simon, M.D.

Department of Neurosurgery
German Armed Forces Hospital of Ulm
Ulm, Germany

Miethke, Christoph

Christoph Miethke GmbH & Co. KG
Potsdam, Germany

Mursch, Kay, M.D., Ph.D.

Department of Neurosurgery
Zentralklinik
Bad Berka, Germany

Padayachy, Llewellyn, M.D., Ph.D.

Division of Neurosurgery
University of Cape Town
Cape Town, South Africa

Schubert, Matthias

Raumedic AG
Helmrechts, Germany

Tschan, Christoph, M.D., Ph.D.

Department of Neurosurgery
Ludmillenstift Hospital
Meppen, Germany

Watkins, Laurence, M.D.

Department of Neurosurgery
The National Hospital for Neurology and
Neurosurgery
London, United Kingdom

Associated Faculty

Faßbender, Klaus, M.D., Ph.D

Director of the Department of Neurology
Saarland University Medical Center
Homburg-Saar, Germany

Yilmaz, Umut, M.D.

Senior Consultant
Department of Neuroradiology
Saarland University Medical Center
Homburg-Saar, Germany

Local Speaker

Breuskin, David

Department of Neurosurgery
Saarland University Medical Center
Homburg-Saar, Germany

Linsler, Stefan, M.D.

Department of Neurosurgery
Saarland University Medical Center
Homburg-Saar, Germany

Grunert, Peter, M.D., Ph.D

Department of Neurosurgery
Saarland University Medical Center
Homburg-Saar, Germany

Senger, Sebastian, M.D.

Department of Neurosurgery
Saarland University Medical Center
Homburg-Saar, Germany

GENERAL INFORMATION

Registration

The registration is possible via our website:
www.uks.eu/neurosurgery or by sending the enclosed
registration form via email of fax

Fax: +49 (0) 6841 16 24480

E-Mail: Neurochirurgie.Direktion@uks.eu

Participation fee

The participation fee is 200.00 €

Includes: Workshop, coffee breaks, lunch, dinner,
name badges, photo-CD

Not included: Travel expenses, accommodation, shuttle service

Payment

Please transfer the participation fee to the following
account:

Bank 1 Saar Bank Code: 591 900 00

Account number: 97718008

Account holder: University of Saarland

IBAN: DE 94 5919 0000 0097 7180 08

SWIFT / BIC: SABA DE 5 S

Purpose: Please add as payment reference

E 204 1502 08 - Prof. Oertel

ICP and Hydrocephalus Workshop

Name of Participant

General terms and conditions

- Registration is only confirmed upon receipt of payment
- With your registration you accept our general terms and conditions
- The payment of registration fees must be done only by bank transfer to our university
- The participation fees are payable within 7 days following submission of the registration. Otherwise, the booked places cannot be guaranteed
- Banking fees have to be settled by the remitter

Cancellation policy

Cancellations must be done in written form and are subjected to the following conditions

- until Oct. 28, 2016: 100 % refund
- after Oct. 28, 2016: no refund

15:30 - 20:30

Build. 90.5 - Dept. of Neurosurgery

Section IV ICP PART II

- 15:30 Presentation of the Raumedic Neurovent P-tel System**
Matthias Schubert, Helmbrechts, Germany
- 15:50 Telemetry in the German Armed Forces Hospital Ulm – Experiences, Facts and Reflections**
Simon Mayer, Ulm, Germany
- 16:10 Clinical Results of P-tel Application in Bad Berka**
Kay Mursch, Bad Berka, Germany
- 16:30 7 Years of P-tel Measurement in Homburg – Results, Consequences and Complications**
David Breuskin, Homburg-Saar, Germany
- 16:50 Telemetric ICP Home Monitoring With the Neurovent P-tel System**
Michael Heckelmann, Meppen, Germany
- 17:10 WORKSHOP II**
Handling of the P-tel System
Michael Heckelmann & Sebastian Antes, Meppen & Homburg-Saar, Germany

18:00 End of the scientific part

GUIDED TOUR - DINNER

"Schlossberg-caves"

18:15 Departure (Build. 90.5 - Dept. of Neurosurgery)

19:00 Start sightseeing

The caves are located below the ruins of the Hohenburg Castle and are Europe's largest coloured sandstone caves. Secret passages take the visitors into majestic dome-shaped halls, which are especially attractive because of their different colours yellow and red.



The coloured sandstone covering the range of hills above the city of Homburg developed about 250 million years ago.

20:30 Dinner at the
"Schlossberg-Hotel", Homburg-Saar


Friday, Nov. 25, 2016

09:00 - 13:30

Build. 90.5 - Dept. of Neurosurgery

Section V ICP PART III

- 09:00 Welcome**
Joachim Oertel, Homburg-Saar, Germany
- 09:10 Authentic Clinical Cases – The Importance of Telemetry in Clinical Routine**
David Breuskin, Homburg-Saar, Germany
- 09:30 ICP Guided Valve Adjustments – Knickknack or Future?**
Sebastian Antes, Homburg-Saar, Germany
- 09:50 LIVE SURGERY**
Implantation of a P-tel Probe and Sensor Reservoir
Joachim Oertel & Sebastian Antes, Homburg-Saar, Germany
- 11:20 WORKSHOP III**
Analysis of Telemetric ICP Data
Michael Heckelmann & Sebastian Antes, Meppen & Homburg-Saar, Germany

 12:00 LUNCH BREAK

13:30 - 15:30

Build. 90.5 - Dept. of Neurosurgery

Section VI ENDOSCOPY

- 13:30 History of Neuroendoscopy**
Peter Grunert, Homburg-Saar, Germany
- 13:50 Intraventricular Endoscopy for Treatment of Obstructive Hydrocephalus**
Joachim Oertel, Homburg-Saar, Germany
- 14:10 Looking Through the Ventricle Catheter – Miniature Endoscopy for Shunt Placement**
Christoph Tschan, Meppen, Germany
- 14:30 ICP Monitoring After ETV – A Reliable Method to Differentiate Between Success and Failure?**
Joachim Oertel, Homburg-Saar, Germany
- 14:50 The Modified Borehole Reservoir for Pediatric Application – an Easy Way to Combine Endoscopy and Shunting**
Sebastian Senger, Homburg-Saar, Germany
- 15:10 Closing Remarks**
Joachim Oertel, Homburg-Saar, Germany

The Homburg ICP and Hydrocephalus Workshop

Homburg-Saar, November 23 - 25, 2016

Registration Form

Please return the registration from until **November 7, 2016**

Fax: +49 (0) 6841 - 16 24480

E-Mail: Neurochirurgie.Direktion@uks.eu

I hereby confirm my binding participation in:

- Workshop..... November 23 - 25, 2016
- Dinner November 23 and 24, 2016

Academic title

First name

Last name

Department, Institute, University

Street

ZIP Code, City, Country

Phone

E-Mail

Date

Legal Signature