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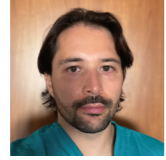
**Stephan Lang**  
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**Stefan Mattheis**  
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**Alexander Micko**  
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**Anshul Sama**  
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**Kerstin Stähr**  
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**Karsten Wrede**  
Essen, Germany

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The sponsorship will be used to finance the event (room rental, non-academic staff, catering).

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**University Medicine Essen**



**University Medicine Essen**  
University Hospital  
Department of Oto-Rhino-Laryngology,  
Head and Neck Surgery  
Germany

Start: Thursday, September 22 14:30  
End: Saturday, September 24 14:00

Full course fee: 1200 Euro  
Resident course fee: 800 Euro

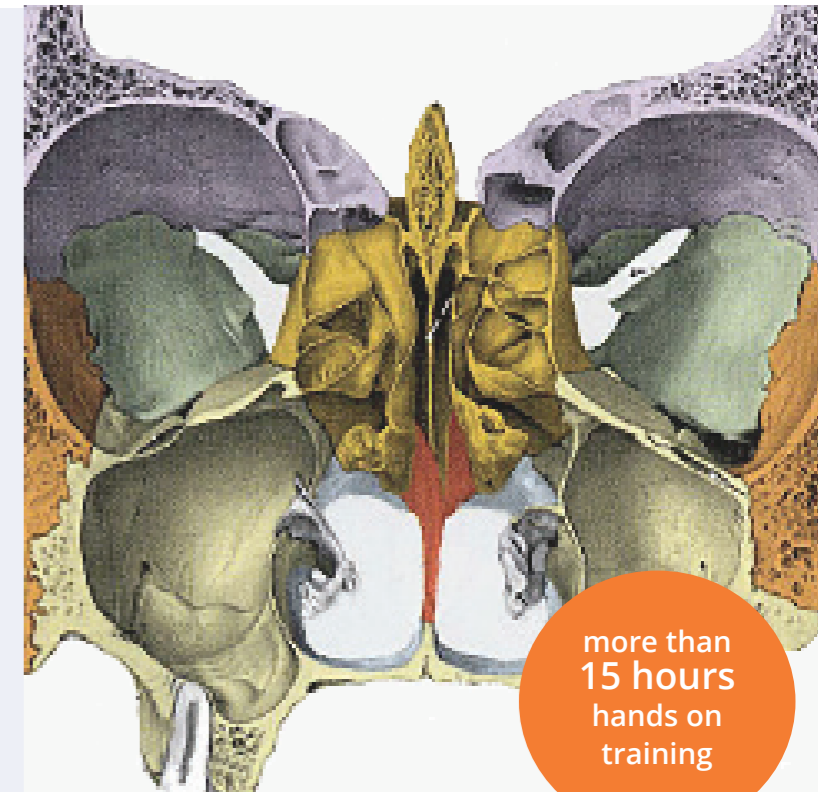
Venue: University Hospital Essen,  
Institute of Anatomy Institutsgruppe I (IG-I),  
Virchowstr. 171,  
45147 Essen

Parking: Parkhaus Virchowstr. 173

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more than  
15 hours  
hands on  
training

## 11th Interdisciplinary Endoscopic Skull Base Surgery Course

Course directors:  
Prof. Dr. S. Lang  
Prof. Dr. S. Mattheis

September 22 - 24, 2022

Venue: University Hospital Essen,  
Institute of Anatomy Institutsgruppe I (IG-I),  
Virchowstr. 171, 45147 Essen

In cooperation with the Institute of Anatomy  
at the University Hospital Essen  
Prof. Dr. med. Gunther Wennemuth



## Dear Colleagues!

It is our pleasure to announce the 11th Interdisciplinary Endoscopic Skull Base Surgery Course.

Skull Base Surgery underwent significant changes during the last decades. The increasing advancements in the fields of neurosurgery and otorhinolaryngology have challenged surgeons from both specialties to keep up with the rapid technological progress such as operations based on 4K or 3D endoscopy and robotic-assisted skull base surgery.

The skull base represents the interface of an intense interdisciplinary collaboration between otorhinolaryngology and neurosurgery. Therefore, this course focuses on the complex anatomy of the skull base and adjacent anatomical structures, i.e. sinuses and orbit, as well as surgical treatment strategies for lesions in this challenging area.

Being the highlight of this course, participants will spend 15 hours of hands-on training on cadavers. An excellent international faculty from Barcelona, Erfurt, Graz, Nottingham, Padua, Varese and Essen will provide an intensive step-by-step teaching. Additionally, an outstanding technical support including real time navigation for all specimens, HD 3D visualization, 4K endoscopy, robotic systems as well as high speed drills will be available.

We are looking forward to welcoming you to the 11th Interdisciplinary Endoscopic Skull Base Surgery Course in Essen!

Yours sincerely

Prof. Dr. Stephan Lang

Prof. Dr. Stefan Mattheis

### Thursday, September 22, 2022

14:30 Registration

15:00 Welcome

15:15 Skull base anatomy

15:45 Coffee break

Transition to preparation rooms

16:00 Introduction to work stations

16:15 Introduction 4-hand-technique ENT-Neurosurg.

#### Dissection

16:45 Ethmoidectomy

17:45 Haddad Flap

18:30 Discussion

19:00 End of 1st day

### Friday, September 23, 2022

08:15 Registration

#### Dissection

08:30 Frontal sinus surgery (Draf procedures)

09:30 Breakfast break

10:00 Transcribiform approach

11:00 Endoscopic orbital surgery

12:00 Lunch break

#### Dissection

13:30 Pterygoid fossa

14:30 Infratemporal fossa

Coffee break

16:00 Midfacial degloving

18:00 Complication and their avoidances in skull base surgery

19:00 Social evening

### Saturday, September 24, 2022

08:00 Breakfast and Registration

#### Dissection

08:30 Transsphenoidal approach /TESPA

10:00 Surgery of the cavernous sinus

11:00 Infrasellar and transclival approach

12:00 Lunch break

#### Dissection

13:00 CSF leakage and skull base reconstruction

14:00 Discussion, Certificate, and Adjourn