

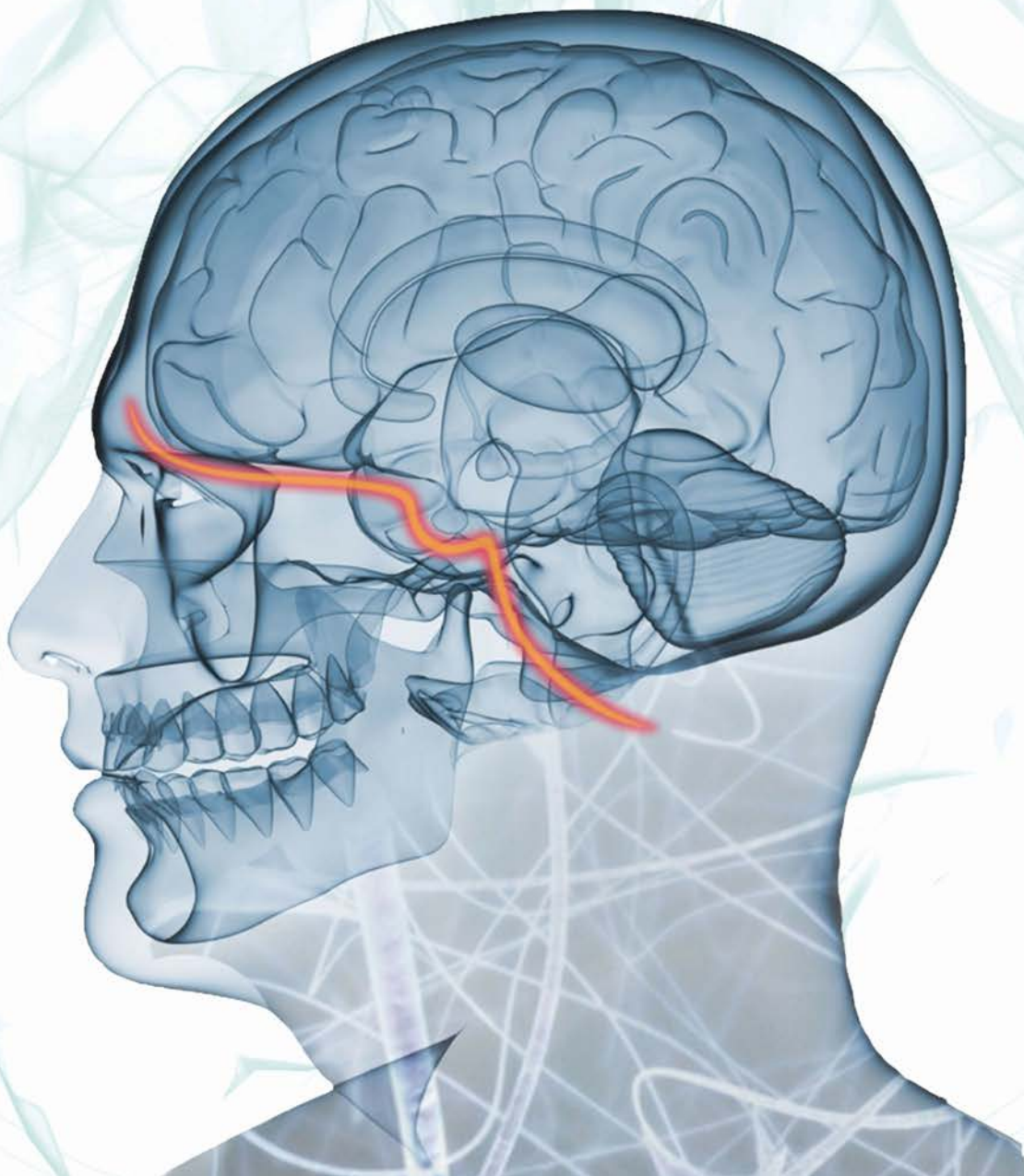


Global Neuro

Final Program

Global Neuro Course  
Complex Cranial Access  
Skull Base and Brain

April 27-29, 2022 | Erlangen, Germany



# Content

3	Welcome
4	Course description
4	Target participants
4	Goal of the course
4	Learning objectives
5	Chairpersons
5	Faculty
6	Wednesday, April 27, 2022
7	Thursday, April 28, 2022
8	Friday, April 29, 2022
9	Event venue
9	Event organization
9	Global Neuro funding sources
9	Event organization compliance
10	General information
11	Global Neuro Foundation—Principles of Educational
12	Sponsors
13	Notes

## Global Neuro welcomes you

On January 1, 2018, AONeuro became Global Neuro for the purpose of broadening our geographical reach and for the opportunity to work with multiple partners. Our new foundation is incorporated in Switzerland and is ready to serve you, to improve the educational and practical experiences in patient care and outcomes.

We offer educational events across the world, with rigorously prepared and evaluated curricula, in multiple cultural and educational formats. Global Neuro's educational offerings include lecture presentations, interactive case discussions, small group discussions, practical exercises, simulation exercises and online education. Global Neuro strives to increasingly collaborate with regional, national and international societies and organizations to deliver symposia and courses at congresses and annual meetings. These partnerships enable us to provide the best formats possible.

While our initial educational efforts began with neurosurgeons, we are increasingly collaborating with neurologists, neurointensivists, neuroanesthesiologists, neuroradiologists and other neuro professionals to provide comprehensive education and program development opportunities. Medicine, neurological care and recovery are too complex to depend upon a single discipline. As such, collaboration is required to be able to make the greatest impact in our patient's progress and outcomes.

We hope this program meets your expectations, as it is based on continuous development, study, evaluation and discussion. Please let us know if you have ideas or suggestions for how we can enhance your learning and educational experience.

Please join our network of professionals as we work together to improve the results in neuro care and rehabilitation for all our patients.

Warm regards,

Paul N Manson  
Chairman Global Neuro Foundation



## Course description

The course is based on the competencies defined in Global Neuro's curriculum for skull base and features an international faculty of experts. It is delivered through a combination of lectures, case discussions and hands-on dissection. Didactic sessions will focus on 3-D anatomy as well as on concepts, strategies and modern techniques to deal with tumors, vascular injuries, trauma, etc. Dissections will cover the most common microsurgical and endoscopic approaches in a systematically guided manner and will be performed in a high-level laboratory with anatomical specimens. Special focus will be given to numerous case discussion sessions, where participants are encouraged to bring their own cases to add to those presented by the faculty.

## Target participants

The Global Neuro Skull Base course has been developed for neurosurgeons, maxillofacial surgeons, CMF surgeons, ENT surgeons and surgeons practicing in related disciplines (e.g., trauma surgeons, plastic surgeons, etc.).

## Goal of the course

This course addresses the complex anatomical structures of the skull base and surrounding areas, relevant approaches and current concepts in the surgical management of skull base lesions, including trauma. It will enhance surgical skills in endoscopic and open approaches, with a focus on interdisciplinary management.

## Learning objectives

Upon completion of this course, participants should be able to:

- Describe the complex anatomy of the skull base and its relation to the surrounding areas
- Perform the most up-to-date endoscopic and microsurgical approaches
- Recognize the most relevant pathologies (tumor, vascular, trauma, etc.)
- Apply the most up-to-date treatment practices for these pathologies
- Review the technical solutions that are available to perform skull base procedures

## Chairpersons



**Michael Buchfelder**  
University Erlangen–Nürnberg  
Erlangen, Germany



**Stephen Lewis**  
Perth Neurosurgery  
Perth, Australia

## Faculty

### International faculty

<b>Antonio Biroli</b>	Spedali Civili di Brescia	Brescia, Italy
-----------------------	---------------------------	----------------

<b>Domenico Solari</b>	University of Naples Federico II	Naples, Italy
------------------------	----------------------------------	---------------

### National faculty

<b>Antoni-Oreste Gostian</b>	University Erlangen–Nürnberg	Erlangen, Germany
------------------------------	------------------------------	-------------------

<b>Sven Schlaffer</b>	University Erlangen–Nürnberg	Erlangen, Germany
-----------------------	------------------------------	-------------------



Wednesday, April 27, 2022

Time	Agenda item	Faculty
<b>Location:</b> Anatomical Institute, Erlangen–Nürnberg, Dissection Laboratory		
07:30–08:00	Registration	
08:00–08:15	Welcoming comments and objectives	M Buchfelder / S Lewis
08:15–08:30	Neuronavigation and augmented reality	M Buchfelder
08:30–09:00	The "Complex Cranial Access" philosophy	M Buchfelder
<b>Module 1: Anterior cranial fossa approaches</b>		<b>Moderator: S Lewis</b>
09:00–09:30	3-D anatomy—building the skull base/anterior fossa	S Lewis
09:30–10:00	Related clinics anterolateral skull base	S Schlaffer
10:00–13:00	<b>Dissection 1</b> Surgical guide to dissection 1: – Introduction to the drill system – Orbitozygomatic approach, anterior clinoidectomy	All faculty
<b>13:00–14:00</b>	<b>LUNCH BREAK</b> and interactive case presentation	
14:00–14:30	3-D anatomy—transfrontal, transbasal anatomy	S Lewis
14:30–15:00	Related clinics transfrontal, transbasal approaches	S Schlaffer
15:00–17:30	<b>Dissection 2</b> Surgical guide to dissection 2: – Frontal midline approach – Transbasal and transfacial approach	All faculty
17:30–18:30	Interactive case discussion	All faculty
18:30–18:45	Wrap-up and end of day 1	All together

Refreshments, coffee & snacks will be provided during lecture time!

Thursday, April 28, 2022

Time	Agenda item	Faculty
08:30–09:00	The future of neurosurgical training and research	A Biroli
<b>Module 2: Endoscopic skull base approaches</b>		<b>Moderator: D Solari</b>
09:00–09:30	3-D anatomy— Endoscopic skull base views	S Lewis
09:30–10:00	Endoscopic skull base surgery	D Solari
10:00–13:00	<b>Dissection 3</b> Surgical guide to dissection 3: – Standard endoscopic approaches – Extended endoscopic approaches	All faculty
<b>13:00–14:00</b>	<b>LUNCH BREAK</b> and interactive case presentation	
<b>Module 3: Middle cranial fossa approaches</b>		<b>Moderator: M Buchfelder</b>
14:00–14:30	3-D anatomy—middle fossa and sella areas	S Lewis
14:30–15:00	Related clinics middle fossa and sella areas	S Schlaffer
15:00–17:30	<b>Dissection 4</b> Surgical guide to dissection 4: – Subtemporal and cavernous sinus – Petrosal approaches	All faculty
17:30–18:30	Interactive case discussion	All faculty
18:30–18:45	Wrap-up and end of day 2	All together

Refreshments, coffee & snacks will be provided during lecture time!

Friday, April 29, 2022

Time	Agenda item	Faculty
08:30–09:00	Anatomy and pathology of the petrous bone	A-O Gostian
<b>Module 4: Lateral posterior fossa</b>		<b>Moderator: S Schlaffer</b>
09:00–09:30	3-D anatomy—lateral posterior fossa	S Lewis
09:30–10:00	Related clinics cerebellopontine angle	M Buchfelder
10:00–13:00	<b>Dissection 5</b> Surgical guide to dissection 5: <ul style="list-style-type: none"> <li>– Transapical approaches</li> <li>– Retrosigmoid, presigmoid and posterior petrosectomy approaches</li> <li>– Jugular foramen approaches</li> <li>– Special demonstration: petrous bone drilling</li> </ul>	All faculty
<b>13:00–14:00</b>	<b>LUNCH BREAK</b> and interactive case presentation	
<b>Module 5: Lateral approach to foramen magnum</b>		<b>Moderator: S Lewis</b>
14:00–14:30	3-D anatomy—Foramen magnum and surrounding areas	S Lewis
14:30–15:00	Related clinics foramen magnum and clivus	A Biroli
15:00–17:30	<b>Dissection 6</b> Surgical guide to dissection 6: <ul style="list-style-type: none"> <li>– Far lateral—transcondylar, supracondylar and retrocondylar approaches</li> <li>– Transcervical approaches</li> </ul>	All faculty
17:30–18:30	Interactive case discussion	All faculty
18:30–18:40	Wrap-up and end of day 3	All together
18:40–18:45	Closing remarks and end of course	M Buchfelder / S Lewis

Refreshments, coffee &amp; snacks will be provided during lecture time!



## Event venue

### **University Institute of Erlangen–Nürnberg**

Department of Anatomy  
Dissection Laboratory  
Krankenhausstrasse 9  
91054 Erlangen  
Germany

## Event organization

### **Global Neuro Foundation**

Clavadelerstrasse 1  
7270 Davos, Switzerland

### **Event organizer**

Linda Domeisen  
Phone: +41 76 824 04 88  
Email: [linda.domeisen@globalneuro.org](mailto:linda.domeisen@globalneuro.org)

## Global Neuro funding sources

Unrestricted educational grants from different sources are collected and pooled together centrally or for specific events by the Global Neuro Foundation. All events are planned and scheduled by local and regional Global Neuro surgeons groups based on local needs assessment. We rely on commercial partners for in-kind support to run simulations/skills training if educationally needed.

## Event organization compliance

In certain countries where Global Neuro has no office but offers educational events, the Global Neuro cooperates with third-party companies to conduct local organization and logistics, as well as to communicate with participants in the local language. In these cases, the Global Neuro Foundation has put rules and guidelines in place (Letter of Secondment, Global Neuro Foundation—Principles of Educational Events) to ensure that this cooperation has no impact on the curricula, scientific program, or faculty selection.

## General information

### Event fee

Global Neuro Course—Complex Cranial Access

EUR 1250

EUR 900 for residents and health care providers from LMIC.

Included in the course fee are course material, coffee breaks, lunches, a course dinner and course certificate.

### Registration

Please click on the registration link below to register for the Global Neuro Dissection Course:

<https://globalneuro.org/EN/education/event-detail/2.html>

### European CME Accreditation

This event has been CME accredited by the UEMS—EACCME® in Brussels for (24 Credits).

### Course certificate

The course certificates can only be provided if the participant attends the entire event (100%) and will be available at the end of the event.

### Evaluation guidelines

All Global Neuro events apply the same evaluation process, either online (pre- and post-event evaluation) or/and onsite by paper and pencil questionnaires. This helps Global Neuro to ensure that we continue to meet your training needs.

### Dress code

Casual.

### No insurance

The event organization does not take out insurance to cover any individual against accidents, theft or other risks.

### Security

Security checks may be conducted at the entrance of the building. Wearing of a name tag is compulsory during lectures, practical exercises and group discussions.

### Mobile phone use

Use of mobile phones is not allowed in the lecture halls and in other rooms during educational activities. Please be considerate of others by turning off your mobile phone.

### Intellectual property

Event materials, presentations and case studies are the intellectual property of the event faculty. All rights are reserved. Check hazards and legal restrictions on [www.globalneuro.org/legal](http://www.globalneuro.org/legal)

**Recording, photographing, or copying of lectures, practical exercises, case discussions, or any course materials is strictly forbidden. Participants violating intellectual property will be dismissed.**

The Global Neuro Foundation reserves the right to film, photograph and audio record during their events. Participants must understand that in this context they may appear in these recorded materials. The Global Neuro Foundation assumes participants agree that these recorded materials may be used for Global Neuro marketing and other purposes and made available to the public



## Global Neuro Foundation—Principles of Educational Events

### 1) Academic independence

Development of all curricula, design of scientific event programs and selection of faculty are the sole responsibilities of volunteer surgeons from the Global Neuro network. All education is planned based on needs assessment data, designed and evaluated using concepts and evidence from the most current medical education research and involving the expertise of the Global Neuro Education Institute ([www.globalneuro.org](http://www.globalneuro.org)). Industry participation is not allowed during the entire curriculum development and planning process to ensure academic independence and to keep content free from bias.

### 2) Compliance to accreditation and industry codes

All planning, organization and execution of educational activities follow existing codes for accreditation of high-quality education:

- Accreditation Criteria of the Accreditation Council for Continuing Medical Education, USA ([www.accme.org](http://www.accme.org))
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities ([www.accme.org](http://www.accme.org))
- Criteria for Accreditation of Live Educational Events of the European Accreditation

Council for Continuing Medical Education ([www.uems.eu](http://www.uems.eu))

- Events that receive direct or indirect unrestricted educational grants or in-kind support from industry also follow the ethical codes of the medical industry, such as:
- Eucomed Guidelines on Interactions with Healthcare Professionals ([www.medtecheurope.org](http://www.medtecheurope.org))
- AdvaMed Code of Ethics on Interactions with Health Care Professionals ([www.advamed.org](http://www.advamed.org))
- Mecomed Guidelines on Interactions with Healthcare Professionals ([www.mecomed.org](http://www.mecomed.org))

### 3) Branding and advertising

No industry logos or advertising (with the exception of the Global Neuro Foundation) are permitted in the area where educational activities take place.

Sponsors providing financial or in-kind support are allowed to have a promotional booth or run activities outside the educational area with approval from the event chairperson.

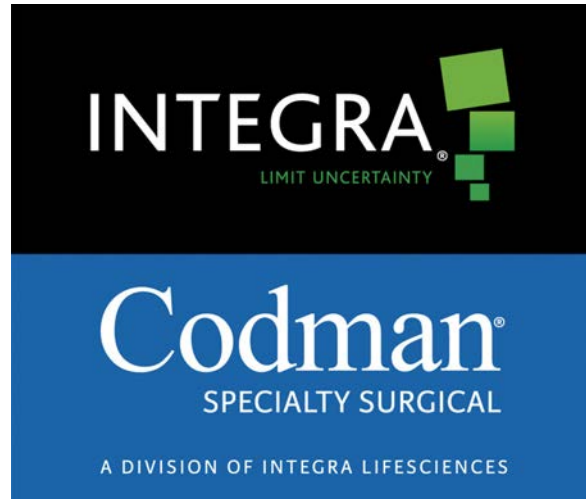
### 4) Personnel

Industry staff are not allowed to interfere with the educational content or engage in educational activities during the event.

## Sponsors

We thank our major industry partners DePuy Synthes and Integra for contributing in-kind support (material and logistics) without which this event would not be possible. A special thanks to Integra for providing an unrestricted educational grant for this event and to DePuy Synthes for the educational support grant.

A thank you to Zeiss for their in-kind support.





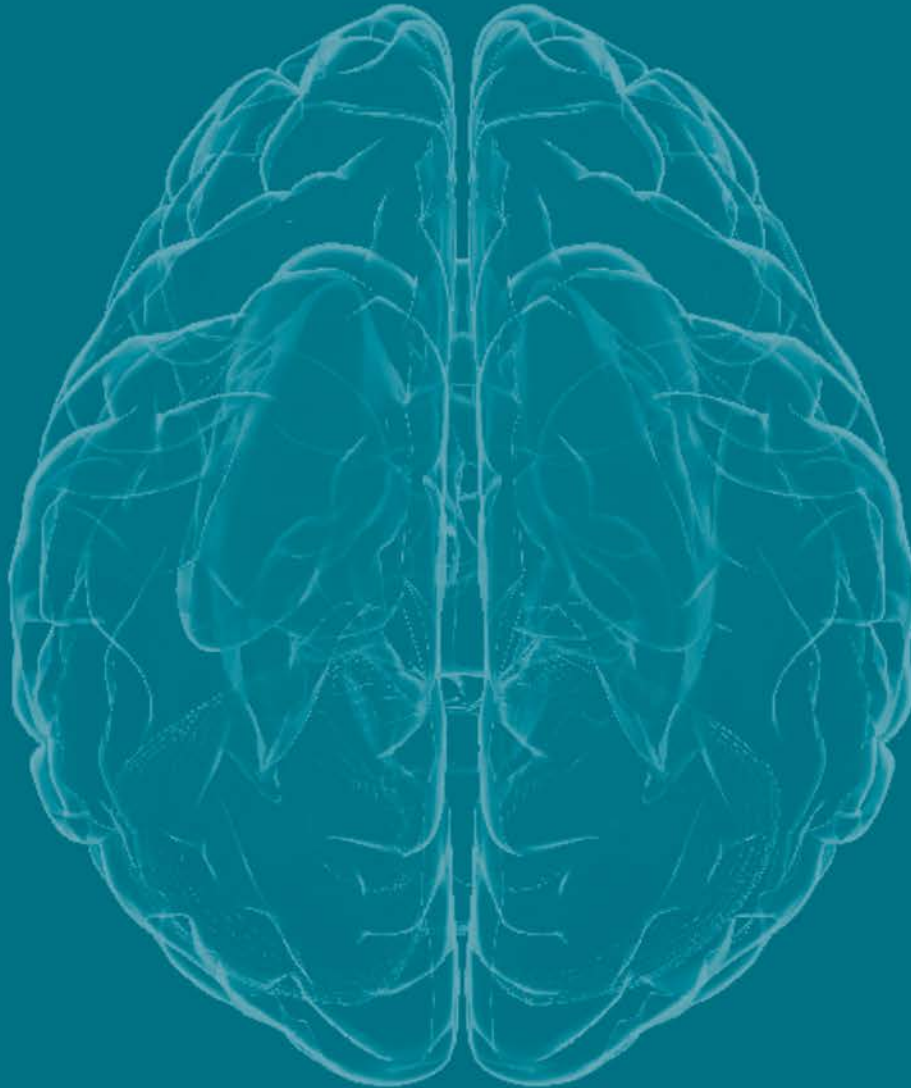








Global Neuro



Visit [www.globalneuro.org](http://www.globalneuro.org)  
and sign up for our newsletter

Global Neuro • Clavadelerstrasse 1 • 7270 Davos • Switzerland • Phone: T +4176 824 04 88 • [info@globalneuro.org](mailto:info@globalneuro.org)

[www.globalneuro.org](http://www.globalneuro.org)