



Global Neuro

Preliminary event program

Global Neuro Course— Quality improvement and Patient safety in Spine Surgery

November 28, 2025, Ludwigshafen, Germany



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, emergency physicians, trauma surgeons, neurointensivists, neuro-anesthesiologists, neuroradiologists, and other neuro professionals to provide comprehensive education and program development opportunities. Emergency care, specific 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 on our patients' 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.

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

Warm regards,



Andres M. Rubiano
President Global Neuro Foundation

Course description

This one-day course focuses on quality improvement and patient safety in spine surgery. Rather than emphasizing complication management alone, the program explores strategies for avoiding adverse events, ensuring appropriate surgical indications, and enhancing outcomes through improved processes, communication, and teamwork. Topics include preoperative risk assessment, intraoperative error prevention, postoperative quality control, and the legal and ethical dimensions of surgical safety. Interactive lectures, hands-on workshops, and case-based discussions will provide participants with practical tools to promote excellence in spine care.

Target participants

This course is intended for German-speaking spine surgeons—including residents, fellows, and attending surgeons—who aim to improve the safety, quality, and consistency of spine surgical care. Participants should be interested in both surgical and non-surgical aspects of risk management, complication prevention, quality assurance, and patient communication.

Educational needs

The needs derived for participants of the presented course are the following:

- Learn how to establish quality indicators and safety protocols in spine surgery
- Understand the importance of appropriate indication and risk stratification to avoid preventable complications
- Master strategies for intraoperative error prevention and safe surgical technique
- Strengthen postoperative follow-up procedures and complication monitoring
- Develop skills for legally sound and empathetic patient communication in complex situations
- Learn how to implement and benefit from morbidity and mortality conferences and complication registries.

Learning objectives

By completing this course, participants will be better able to:

- Define key quality metrics and implement safety-improving practices in spine surgery
- Identify risk factors and apply preventive strategies to avoid complications
- Improve intraoperative decision-making, eliminate avoidable technical errors and handle typical intra- and postoperative complications
- Communicate effectively with patients about adverse events and their management
- Apply principles of ethical and legal responsibility in surgical documentation and disclosure

Kursbeschreibung

Dieser eintägige Kurs widmet sich der Qualitätsverbesserung und Patientensicherheit in der Wirbelsäulenchirurgie. Im Mittelpunkt stehen dabei nicht nur der Umgang mit Komplikationen, sondern insbesondere auch Strategien zu deren Vermeidung, zur Indikationsstellung und zur Verbesserung des Behandlungsergebnisses durch optimierte Prozesse, Kommunikation und Teamarbeit. Themenschwerpunkte sind die präoperative Risikoeinschätzung, intraoperative Fehlervermeidung, postoperative Qualitätskontrolle sowie rechtliche und ethische Dimensionen der Patientensicherheit. Interaktive Vorträge, praxisnahe Übungen und fallbasierte Diskussionen vermitteln den Teilnehmenden konkrete Handlungsempfehlungen zur Förderung exzellenter Wirbelsäulenversorgung.

Zielgruppe

Der Kurs richtet sich an deutschsprachige Wirbelsäulenchirurginnen und -chirurgen aus allen Fachdisziplinen – einschließlich Assistenzärzt:innen, Fachärzt:innen und leitende Ärzt:innen – die ihre Behandlungsqualität, Sicherheit und Versorgungsstandards in der Wirbelsäulenchirurgie verbessern möchten. Teilnehmenden sollte sich sowohl für chirurgische Aspekte der Komplikationsvermeidung, als auch für die Themen Qualitätssicherung, Kommunikation und Risikomanagement interessieren.

Weiterbildungsbedarf

Der für die Teilnehmenden dieses Kurses zugrunde gelegte Weiterbildungsbedarf umfasst:

- Etablierung von Qualitätsindikatoren und Sicherheitsprotokollen in der Wirbelsäulenchirurgie
- Bedeutung einer präzisen Indikationsstellung und Risikostratifikation zur Vermeidung vermeidbarer Komplikationen
- Strategien zur intraoperativen Fehlervermeidung und Anwendung sicherer Operationstechniken
- Optimierung der postoperativen Nachsorge und Überwachung möglicher Komplikationen
- Kommunikation mit Patient:innen in komplexen Situationen – empathisch und rechtssicher
- Implementierung und Nutzen von M&M-Konferenzen und Komplikationsregistern

Lernziele

Nach Abschluss des Kurses sind die Teilnehmenden in der Lage:

- Zentrale Qualitätskennzahlen zu definieren und Maßnahmen zur Verbesserung der Patientensicherheit umzusetzen
- Risikofaktoren zu identifizieren und präventive Strategien zur Komplikationsvermeidung anzuwenden
- Intraoperative Entscheidungen sicherer zu treffen, technische Fehler zu vermeiden und typische Komplikationen zu beherrschen
- Adäquat mit Patient:innen über unerwünschte Ereignisse und deren Management zu kommunizieren
- Ethische und rechtliche Anforderungen an Dokumentation und Aufklärung im klinischen Alltag umzusetzen

Friday, November 28, 2025

TIME	AGENDA	WHO
08:00–08:30	Registration	
08:30–08:45	Welcome address	Younsi/Vetter
08:45–10:00	Module 1: Foundations of quality in spine surgery	
08:45–09:00	Why quality matters in spine surgery?	
09:00–09:15	Spine surgery education and training	
09:15–09:30	The right indication – identifying high risk patients	
09:30–09:45	Setting up quality improvement protocols in spine surgery	
09:45–10:00	The relevance of measuring patient reported outcomes	
10:00–10:45	Module 2: Intraoperative challenges	
10:00–10:15	Managing dural tears and CSF leaks	
10:15–10:30	Strategies for severe bleeding incidents	
10:30–10:45	Minimizing implant malposition	
10:45–11:00	Coffee break	
11:00–12:00	Module 3: Postoperative complications	
11:00–11:15	Managing infections	
11:15–11:30	Addressing adjacent level disease and PJK	
11:30–11:45	Managing spinal pseudarthrosis: identification and intervention strategies	
11:45–12:00	Treating postoperative spinal deformities	
12:00–13:00	Lunch break	
13:00–14:30	Module 4: Practical sessions	
13:00–13:30	Spinal navigation	
13:30–14:00	Advanced fixation techniques	
14:00–14:30	Dural repair models	
14:30–15:30	Module 5: Legal and ethical aspects	
14:30–14:45	Patient communication and consent	
14:45–15:00	Legal documentation and risk management	
15:00–15:15	Navigating legal consequences	
15:15–15:30	Morbidity/Mortality conferences and	

	complication registers	
15:30–15:45	Coffee break	
15:45:16:45	Module 6: Case-based discussions	
15:45–16:15	Interactive real-life case studies with experts	
16:15–16:45	Panel discussion: Solutions for difficult scenarios	All faculty
16:45–17:00	Wrap up, certificate distribution and final remarks	

Freitag, November 28, 2025

Uhrzeit	Programmpunkt	WHO
08:00–08:30	Registrierung	
08:30–08:45	Begrüßung	Younsi/Vetter
08:45–10:00	Module 1: Grundlagen der Qualität in der Wirbelsäulenchirurgie	
08:45–09:00	Warum Qualität in der Wirbelsäulenchirurgie entscheidend ist	
09:00–09:15	Aus- und Weiterbildung in der Wirbelsäulenchirurgie	
09:15–09:30	Die richtige OP-Indikation – Risikopatienten erkennen	
09:30–09:45	Qualitätssicherungsprotokolle etablieren	
09:45–10:00	Die Bedeutung patientenberichteter Ergebnisse (PROMs)	
10:00–10:45	Module 2: Intraoperative Herausforderungen	
10:00–10:15	Management von Duraverletzungen und Liquorzysten	
10:15–10:30	Strategien zur Kontrolle starker Blutungen	
10:30–10:45	Implantatfehlpositionierungen vermeiden	
10:45–11:00	Kaffeepause	
11:00–12:00	Module 3: Postoperative Komplikationen	
11:00–11:15	Infektionen beherrschen	
11:15–11:30	Adjavent level disease und Proximal junction kyphosis	
11:30–11:45	Pseudarthrosen erkennen und behandeln	
11:45–12:00	Therapie postoperativer Deformitäten	
12:00–13:00	Mittagspause	
13:00–14:30	Module 4: Praktische Übungen	
13:00–13:30	Spinale Navigation	
13:30–14:00	Fortgeschrittene Fixationstechniken	
14:00–14:30	Modell zur Duranaht	
14:30–15:30	Module 5: Legale und ethische Aspekte	
14:30–14:45	Patientengespräch und Aufklärung	
14:45–15:00	Rechtssichere Dokumentation und Risikomanagement	
15:00–15:15	Juristischer Umgang mit Komplikationen	

15:15–15:30	M&M-Konferenzen und Komplikationsregister	
15:30–15:45	Kaffeepause	
15:45–16:45	Module 6: Fallbasierte Diskussionen	
15:45–16:15	Fallbesprechungen aus der Praxis mit Experten	
16:15–16:45	Paneldiskussion: Lösungen für schwierige Situationen	Alle Faculty
16:45–17:00	Abschluss, Zertifikatsvergabe, Verabschiedung	

Course Venue

BG Kliniken Ludwigshafen

Ludwig-Guttmann-Straße 13, 67071

Ludwigshafen am Rhein, Germany

Event organization

Global Neuro Foundation

Clavadelerstrasse 8J 7270

Davos

Switzerland

Event organizer

Jenny Cheng

Email jenny.cheng@globalneuro.org

Course information

Event fee

EUR 100

Discount available for residents

Included in the course fee are course material, coffee breaks, lunch, and course certificate.

Registration

Please click on the registration link below to register

<https://globalneuro.org/EN/education/event-detail/108.html>

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

Language

German

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 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

Recording, photographing, or copying 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 involves the expertise of the Global Neuro Education Institute (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)
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities (www.accme.org)
- Criteria for Accreditation of Live Educational Events of the European

Accreditation Council for Continuing Medical Education (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)
- AdvaMed Code of Ethics on Interactions with Health Care Professionals (www.advamed.org)
- Mecomed Guidelines on Interactions with Healthcare Professionals (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.