MICRONEUROSURGICAL & ENDOSCOPIC

HANDS-ON COURSE

ANATOMY APPLIED TO NEUROSURGERY

THE EVANDRO DE OLIVEIRA LEGACY

June 28th - July 3rd 2025

University Clinical Hospital of Valencia, Spain

THE SCIENTIFIC AND EDUCATIONAL CONTENT OF THIS EVENT HAS BEEN ENDORSED BY:

SENEC Sociedad Española de Neurocirugía

ORGANIZED BY:

formedika dental & medical education formación médica y dental

Hospital Clínic Universitari de València

INCLIVA | VLC Instituto de Investigación Sanitaria

Universitat de València

Universitat de València Department of Human Anatomy and Embryology

COURSE DIRECTOR

Vicent Quilis-Quesada, *Spain*

Chief of Neurosurgery Department, University Clinical Hospital of Valencia (Spain).
Associate Professor of Neurosurgery, Faculty of Medicine, University of Valencia (Spain).
Adjunct Assistant Professor of Neurosurgery. College of Medicine and Science, Mayo Clinic. Jacksonville, Florida (USA).
Board Member of the International Rhoton Society.

COURSE CO-DIRECTORS

Wen Hung Tzu, *Brazil*

Associate Professor, Division of Neurosurgery, Hospital das Clínicas, University of São Paulo Medical School (Brazil).
Former Research Fellow and Clinical Assistant Professor, Department of Neurosurgery, University of Florida (USA).
Current President and Board Member of the International Rhoton Society.

Ali F. Krisht, *USA*

Director of the Arkansas Neuroscience Institute at CHI St. Vincent.
Little Rock,
Arkansas (USA).

Carolina Martins, *Brazil*

Neurosurgeon, Professor, Neuropsychiatry Department, Federal University of Pernambuco (UFPE), Recife (Brazil).
Board Member of the International Rhoton Society.

Juan Carlos Fernández-Miranda, *USA*

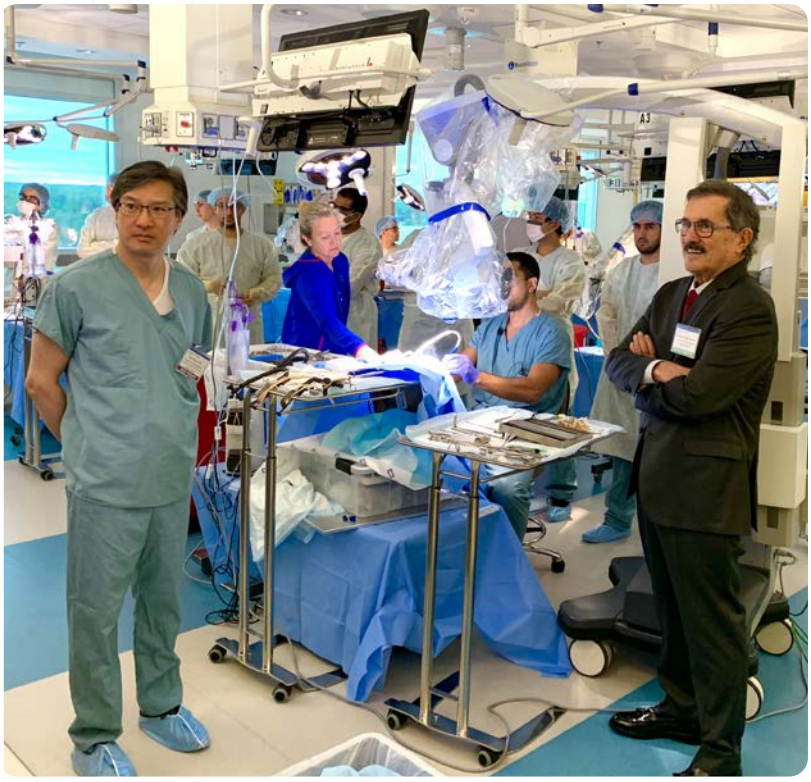
Surgical Director, Stanford Brain Tumor Center.
Co-Director, Stanford Skull Base Surgery Program, Stanford, California (USA).
Board Member of the International Rhoton Society.

Mateus Reghin, *Brazil*

ICNE-SP Institute of Neurological Sciences of São Paulo.
IAMSPE Hospital do Servidor Público do Estado de São Paulo,
BP - The Portuguese Charity of São Paulo.

Pablo Rubino, *Argentina*

Chief of Neurosurgery Service of the German Hospital.
Deputy Chief of the High Complexity Hospital of El Cruce, Buenos Aires (Argentina).
Board Member of the International Rhoton Society.



INTERNATIONAL FACULTY

Kumar Abhinav
Kumar Abhinav BSc (Hons.)
MD MBBS FRCS (Neurosurgery)
Consultant (attending) Neurosurgeon
Complex Cranial (Pituitary, Skull Base and Cerebrovascular Neurosurgery)
Department of Neurosurgery, Bristol Institute of Clinical Neurosciences,
Southmead Hospital, Bristol,
Honorary Lecturer, Department of Anatomy and Institute of Translational Medicine,
University of Bristol, Bristol, (United Kingdom)

Ruben Dammers
Neurosurgeon at Erasmus MC,
Co-Director of the Erasmus MC Stroke Center & the Center for Complex Microvascular Surgery Erasmus MC,
The Netherlands

Marcello D'Andrea
Head, Skull base and vascular unit
"M. Bufailini" Hospital,
Ausl Romagna,
Cesena, Italy

LOCAL FACULTY

Alfonso Valverde
Professor of Anatomy and Human Embryology,
University of Valencia

Guillermo García-March
Chief of Section.
Neurosurgery Service.
University Clinical Hospital of Valencia

Fernando Talamantes
Neurosurgeon,
University Clinical Hospital of Valencia

Laura Botella
Neurosurgeon, General University Hospital of Elche

Raquel Gutiérrez González
Neurosurgeon,
Puerta de Hierro Majadahonda-Segovia de Arana Health Research Institute, IDIPHISA, Madrid

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Juan Pablo Valencia
Neurosurgeon, University Clinical Hospital of Valencia

Marta Quirós
Neurosurgeon, University Clinical Hospital of Valencia

Jaime Broseta
Neurosurgeon, University Clinical Hospital of Valencia

Pasqual Molés
Neurosurgeon, University Clinical Hospital of Valencia

THE COURSE

This advanced course, designed specifically for neurosurgeons, offers a unique blend of in-depth lectures and hands-on laboratory sessions aimed at mastering microsurgical anatomy and skull base approaches. Inspired by the legacy of **Dr. Evandro de Oliveira**, participants will explore cutting-edge techniques in microneurosurgery and endoscopic procedures under the guidance of an internationally renowned faculty.

Course Highlights:

Part I: Microsurgical Anatomy
Detailed exploration of the brain's sulci, gyri, ventricles, and their surgical relevance through hands-on dissections and case-based discussions.

Part II: Endoscopic Neurosurgery
Immersive sessions on endonasal approaches to the skull base, pituitary region, and beyond, combining surgical techniques with live case discussions.

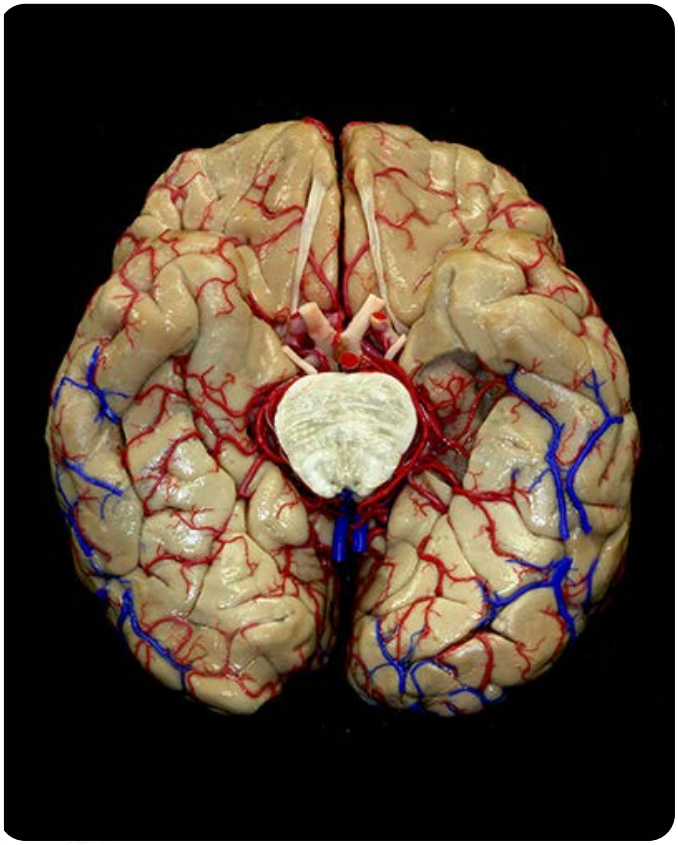
Part III: Microneurosurgery
Comprehensive training in advanced brain and skull base approaches, including pterional, pretemporal, and cavernous sinus dissections, with a focus on their application to skull base and vascular microneurosurgery.

Prepare to embark on a transformative journey that combines the richness of advanced neuroanatomy with the precision of state-of-the-art surgical techniques. Over the course, you will engage in immersive, hands-on laboratory sessions and benefit from the insights of world-renowned neurosurgical experts. Each session has been carefully designed to bridge the gap between anatomical understanding and surgical application, equipping you with the confidence and skills needed to excel in the most demanding operating room environments.

This is more than a course; it's an opportunity to connect with the legacy of giants in neurosurgery, to deepen your passion for the discipline, and to elevate your craft to new heights.

PART I. MICROSURGICAL ANATOMY. THE CEREBRAL SULCI, GYRI AND VENTRICLES

Saturday, June 28th	
08:00-08:15	Welcome and introduction.
08:15-09:00	Microsurgical anatomy of the sulci and gyri of the brain. *Carolina Martins*
09:00-09:45	Microsurgical anatomy of the sylvian fissure. *Wen Hung Tzu*
	09:45-10:00 Coffee break
10:00-12:00	Hands-on laboratory dissection: brain sulci-gyri & sylvian fissure. *All Faculty*
12:00-12:45	Microsurgical anatomy of the lateral ventricles. *Carolina Martins*
12:45-13:30	Microsurgical anatomy of the third ventricle and choroidal fissure. *Wen Hung Tzu*
	13:30 - 14:30 Lunch
14:30-16:30	Hands-on laboratory dissection: ventricles & choroidal fissure. *All faculty*
16:30-18:00	Surgical anatomy applied to glioma and vascular microneurosurgery. Case discussion and video demonstration. *All faculty*
18:00	Adjourn

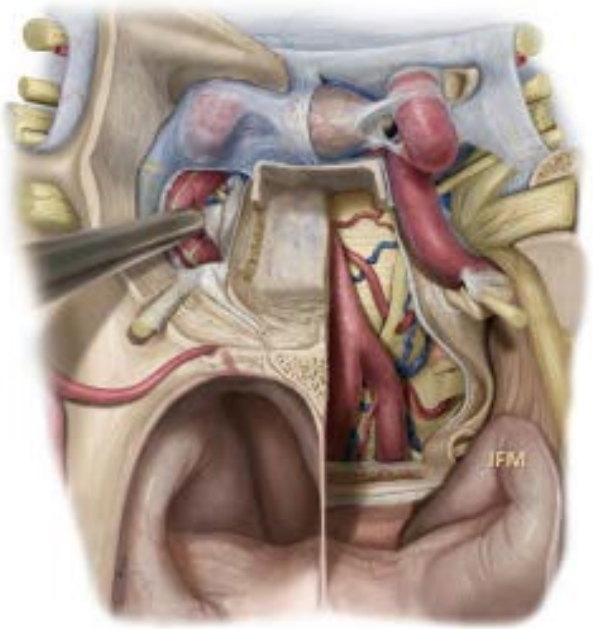


PART I. MICROSURGICAL ANATOMY. THE CEREBRAL SULCI, GYRI AND VENTRICLES

Sunday, June 29th	
08:00-08:45	Microsurgical anatomy of the mesial surface of the brain. *Carolina Martins*
08:45-09:30	Microsurgical anatomy of the mediobasal temporal region. *Wen Hung Tzu*
09:30-10:00 Coffee break	
10:00-12:00	Hands-on laboratory dissection: sulci-gyri of the mesial surface of the brain & temporal lobe. *All Faculty*
12:00-12:45	Microsurgical anatomy of the basal surface of the brain. *Wen Hung Tzu*
12:45-13:30	Microsurgical correlation of craniometric and sulcal key points. *Carolina Martins*
13:30 - 14:30 Lunch	
14:30-16:30	Hands-on laboratory dissection: sulci-gyri of the basal surface of the brain & mediobasal temporal region. *All faculty*
16:30-18:00	Surgical anatomy applied to mesial temporal lobe & basal surface microneurosurgery. Case discussion and video demonstration. *All faculty*
18:00	Adjourn
20:30 Dinner	

PART II. ENDOSCOPIC NEUROSURGERY BRAIN AND SKULL BASE APPROACHES

Monday, June 30th	
08:00-08:45	Endoscopic anatomy of nasal cavities. *Juan Carlos Fernández-Miranda*
08:45-09:30	Anatomy of endoscopic approaches to the sellar and parasellar regions. *Juan Carlos Fernández-Miranda*
09:30-10:00 Coffee break	
10:00-12:00	Hands-on laboratory dissection: nasoseptal flap and sellar approach. *All Faculty*
12:00-12:45	Endoscopic pituitary surgery: surgical techniques. *Juan Carlos Fernández-Miranda*
12:45-13:30	Endoscopic endonasal surgery for pituitary tumors with cavernous sinus invasion. *Juan Carlos Fernández-Miranda*
13:30 - 14:30 Lunch	
14:30-16:30	Hands-on laboratory dissection: nasoseptal flap, sellar approach, cavernous sinus. *All Faculty*
16:30-18:00	Case discussion and video demonstration. *All Faculty*
18:00	Adjourn



PART II. ENDOSCOPIC NEUROSURGERY BRAIN AND SKULL BASE APPROACHES

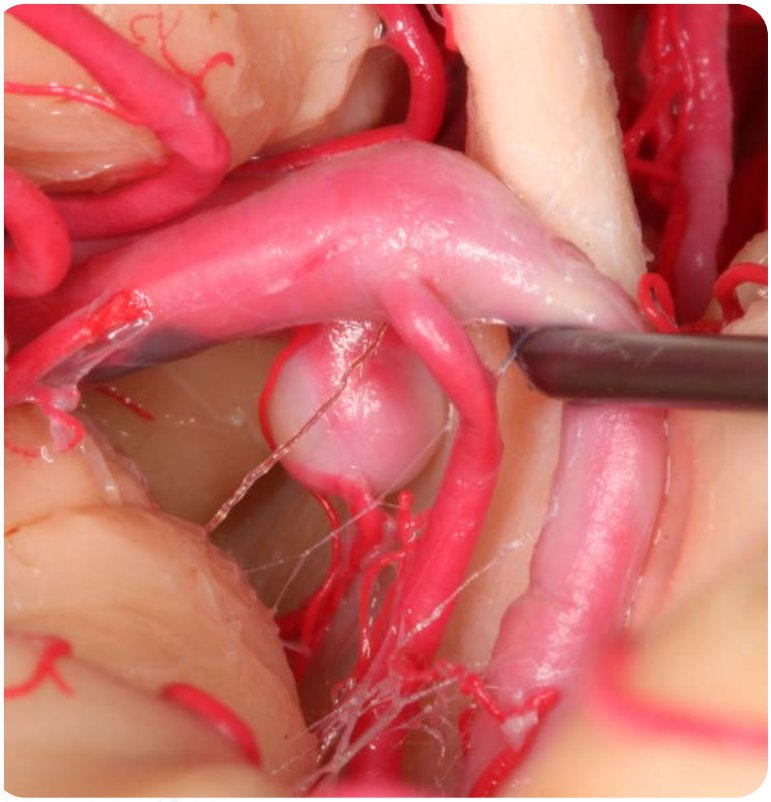
Tuesday, July 1st	
08:00-08:45	Endoscopic endonasal approach to the suprasellar and retroinfundibular regions. *Juan Carlos Fernández-Miranda*
08:45-09:30	Endoscopic endonasal approach to the anterior skull base. *Juan Carlos Fernández-Miranda*
09:30-10:00 Coffee break	
10:00-12:00	Hands-on laboratory dissection: suprasellar, retroinfundibular, and anterior skull base. *All Faculty*
12:00-12:45	Endoscopic transpterygoid approach: anatomy and surgical technique. *Juan Carlos Fernández-Miranda*
12:45-13:30	Endoscopic endonasal approach to the clival and petroclival region. *Juan Carlos Fernández-Miranda*
13:30 - 14:30 Lunch	
14:30-16:30	Hands-on laboratory dissection: transclival and transpterygoid approaches. *All Faculty*
16:30-18:00	Case discussion and video demonstration. *All Faculty*
18:00	Adjourn

PART III. MICRONEUROSURGERY
BRAIN AND SKULL BASE APPROACHES

Wednesday, July 2nd	
08:00-08:45	Microneurosurgery: past, present and future. *Ali F. Krisht*
08:45-09:30	Pterional approach: microsurgical anatomy and technique. *Ali F. Krisht*
09:30-10:00 Coffee break	
10:00-12:00	Hands-on laboratory dissection: pterional approach. *All Faculty*
12:00-12:45	Pretemporal approach. Cavernous sinus and middle fossa microsurgical anatomy. *Ali F. Krisht*
12:45-13:30	Extradural anterior clinoidectomy and transcavernous approaches. *Ali F. Krisht*
13:30 - 14:30 Lunch	
14:30-16:30	Hands-on laboratory dissection: pretemporal approach, middle fossa peeling and extradural clinoidectomy. *All Faculty*
16:30-18:00	Paraclinoid and basilar aneurysms. Case discussion and video demonstration. *All Faculty*
18:00	Adjourn

PART III. MICRONEUROSURGERY
BRAIN AND SKULL BASE APPROACHES

Thursday, July 3rd	
08:00-08:45	Why learn the cavernous sinus? *Ali F. Krisht*
08:45-09:30	Intracavernous approaches. Anatomy of the pathology in the cavernous sinus. *Ali F. Krisht*
09:30-10:00	*Coffee break*
10:00-12:00	Hands-on laboratory dissection: intracavernous and paracavernous approaches. *All Faculty*
12:00-12:45	The myth of the cavernous sinus. *Ali F. Krisht*
12:45-13:30	Transcavernous approaches to the prepontine, petroclival region and brain stem. *Ali F. Krisht*
13:30 - 14:30	*Lunch*
14:30-16:30	Hands-on laboratory dissection: full transcavernous approach. *All Faculty*
16:30-18:00	Cavernous sinus meningiomas. Case discussion and video demonstration. *All Faculty*
18:00	Adjourn



AIMED AT

Specialists in neurosurgery.

LANGUAGE

The course will be entirely taught in English.

FEE AND REGISTRATION

LATE REGISTRATION
Starting May 1st

4.700€

The course is limited to 30 places.
There will be 15 workstations (one workstation for 2 participants).
Each workstation will be equipped with one neurosurgical instrument set, one latex-injected head and a complete brain for anatomical dissection ***(2 specimens per workstation)***.

Places are available on a first-come, first-served basis.

If you are interested in attending this course, please complete the online form on the website:

www.formedika.com

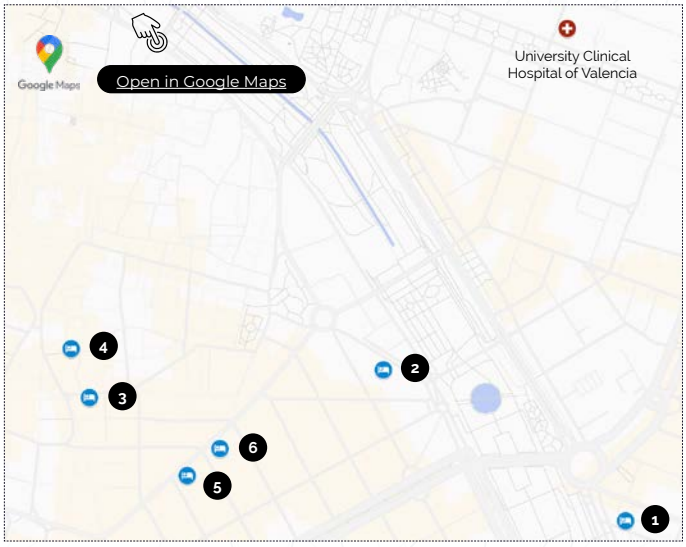
CREDITS

The **Microneurosurgical & Endoscopic Hands-on Course - "Anatomy applied to Neurosurgery"** has been accredited with **48.0 European CME credits** by the European Accreditation Council for Continuing Medical Education (EACCME®).
Credits requested to the Continuous Training Commission of the Health Professions of the Valencian Community (CFC/EVES).

REGISTRATION INCLUDES

- Folder with course materials.
- Surgical gown.
- Theoretical and supervised practical sessions.
- Use of surgical microscope and endoscopic stations.
- One latex-injected head for both endoscopic and microscopic surgical approaches.
- A complete brain for anatomical dissection.
- A neurosurgical instrument set.
- Laboratory consumables and instruments.
- Laboratory practice that will take place in the dissection room of the anatomy department of the University of Medicine of Valencia.
- Coffee breaks.
- Lunch breaks.
- Course dinner.
- Diploma of attendance and accreditation (requested for continuing education).

RECOMMENDED HOTELS



1. SH Valencia Palace ★★★★★
   Pg. de l'Albereda, 32, El Pla del Real, 46023, Valencia
2. Hotel Hospes Palau de la Mar ★★★★★
   Av. de Navarro Reverter, 14, L'Eixample, 46004, Valencia
3. Hotel One Shot Palacio Reina Victoria ★★★★
   C/ de les Barques, 4, Ciutat Vella, 46002, Valencia
4. Catalonia Excelsior ★★★★
   C/ de la Barcelonina, 5, Ciutat Vella, 46002, Valencia
5. Hotel NH Collection Valencia Colón ★★★★
   Carrer de Colón, 32, L'Eixample, 46004, Valencia
6. Hotel One Shot Colón 46 ★★★
   Carrer de Colón, 46, L'Eixample, 46004, Valencia

VENUE

University Clinical Hospital of Valencia
Anatomy Room of the University
of Medicine of Valencia
Av. de Blasco Ibáñez, 15,
El Pla del Real,
46010 Valencia,
Spain

Scan the QR code
to see the location on
Google Maps

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REGISTRATION

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Cancellation policy
The course organization reserves the right to modify the program, cancel the event in case of not filling the minimum number of participants or due to other circumstances that make the course unfeasible.