

2025

**XX EXTRA-INTRACRANIAL
BY-PASS AND ANEURYSM
CLIPPING MICROSURGERY
COURSE.**

Programme

INSCRIPCIONES



Technical Secretariat



626 82 43 26 / hola@orexco.net

MADRID

December 16th - 20th, 2025

**Applied Anatomy Laboratory,
Autonomous University of Madrid**

DIRECTOR



Prof. Francisco González Llanos, MD
Chief of Neurosurgery Service
Toledo University Hospital. Spain

I am pleased to announce that the "XX EXTRA-INTRACRANIAL BY-PASS AND ANEURYSM CLIPPING MICROSURGERY COURSE" will be held at the Applied Anatomy Laboratory, Autonomous University of Madrid. From Tuesday, December 16th to Saturday, December 20th, 2025. This course provides the necessary skills to learn and manage different types of microsurgical anastomosis.

The ongoing development of microvascular surgery and endovascular techniques have increased the need for revascularization processes.

You will be able to perform microsurgical anastomoses in live animals and experimental microvascular models, as well as clipping of different types of brain aneurysms.

You will have knowledge about cerebral ischemia and you will learn different Extra-intracranial By-pass techniques.

Surgical cerebral revascularization and aneurysm management are also part of this course. Based on active research and extensive clinical experience, this course represents the current state of knowledge in the field of vascular microneurosurgery. Technical developments in neuronavigation, neuroendoscopy, etc. are a big step forward, but they will not diminish the need for microsurgical expertise.

In addition, the conferences of distinguished invited specialists will update us on the possibilities of microneurosurgery in their corresponding areas of interest.

We will do our best to make this Course a scientific and personal experience enriching for you.

Welcome.

FACULTY INVITED



Prof. Rokuya Tanikawa, MD
Director of Stroke Center
Sapporo Teishinkai Hospital
Japan



Prof. Nakao Ota, MD
Sapporo Teishinkai Hospital
Stroke Center. Japan



Prof. Jorge Mura, MD
Master of Chilean Neurosurgery™
Past-President Chilean Society of
Neurosurgery. Santiago, Chile.



Prof. Jon Olabe, MD
Chief of the Neurosurgery
Grupo Quirón
Palma de Mallorca. Spain



Prof. Pablo Rubino, MD
Chief of the Neurosurgery
Servicio of the German Hospital.
Hospital Nestor Kischner
Buenos Aires. Argentina



Prof. Nirav J. Patel
Brigham and Women's Hospital
Boston



Prof. Kosumo Noda, MD
Sapporo Teishinkai Hospital
Stroke Center. Japan



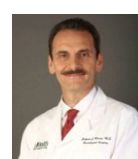
Prof. Maximiliano Núñez
Hospital Nestor Kischner
Buenos Aires



Prof. Michael Lawton
Phoenix, Arizona



Prof. Luis Moreno
Ciudad Real University Hospital



Prof. Jacques Morcos
Houston

**2025 XX EXTRA-INTRACRANIAL BY-PASS AND
ANEURYSM CLIPPING MICROSURGERY COURSE.**

TUESDAY, December 16th, 2025

3D HALL

- 13.45-14.00h** Presentation of the Course
- 14.00-14.20h** History of Vascular Microneurosurgery.
- 14.30-14.50h** General Techniques of Clipping Aneurysms.
- 15.00-15.20h** Aneurysms of anterior circulation.
- 15.30-15.50h** Aneurysms of posterior circulation.
- 15.50 -16.20h** COFFEE-BREAK
- 16.20-16.40h** History and Techniques of Bypass
- 16.50-17.10h** FIRST GENERATION BY-PASS. STA-MCA by-pass
- 17.20-17.40h** SECOND GENERATION BY-PASS. Grafts.
- 17.50-18.10h** THIRD GENERATION BY-PASS. INTRA-INTRA
- 18.10 -18.30h** COFFEE-BREAK
- 18.30-18.50h** MICRONEUROSURGICAL TRAINING
- 19.00-19-20h** Swine model for aneurysm clipping
- 19.30-20.00h** Rat models for aneurysm clipping

WEDNESDAY, December 17th, 2025

- 09.10-10.00h** DEMONSTRATION
"Hands-on": End-to-End anastomosis in rat
LABORATORY
- 10.00-10.30h** COFFEE-BREAK
- 10.30-13.30h** "Hands-on": End-to-end anastomosis in rat
LABORATORY
- 13.30-14.30h** DEMONSTRATION
"Hands-on": Side to End anastomosis in rat
LABORATORY
- 14.30-15.30h** BREAK. LUNCH
- 15.30-18.00h** "Hands-on": End-to-Side anastomosis in rat
LABORATORY
- 15.30-18.00h** "Hands-on": Clipping aneurysms in swine model
IdiPAZ
- 18.00-20.00h** CASES FOR DISCUSSION
3D HALL

**2025 XX EXTRA-INTRACRANIAL BY-PASS AND
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THURSDAY, December 18th, 2025

09:10-10:00h DEMONSTRATION
"Hands-on": Side to side anastomosis in rat
DR. GONZÁLEZ-LLANOS
LABORATORY

10:00-10:30h COFEE-BREAK

10:30-13:30h "Hands-on": End-to-end anastomosis in rat.
LABORATORY

13:30-14:30h DEMONSTRATION
"Hands-on": Advanced techniques for anastomosis
DR. GONZÁLEZ-LLANOS
LABORATORY

14:30-15:00h BREAK. LUNCH

15:30-18:00h "Hands-on": End-to-Side and end to end anastomosis in rat
LABORATORY

15:30-18:00h "Hands-on": Clipping aneurysms in swine model
IdiPAZ

18.00-20.00h CASES FOR DISCUSSION
3D HALL

FRIDAY, December 19th, 2025

09:10-10:00h DEMONSTRATION
"Hands-on": Preparation of the chicken wing model
DR. GONZÁLEZ-LLANOS
LABORATORY

10:00-10:30h COFEE-BREAK

10:30-14:30h "Hands-on": Anastomosis in Chicken wing model
LABORATORY

14:30-15:00h BREAK. LUNCH

15:00-16.00h DEMONSTRATION
"Hands-on": Microsuturing veins. Creating AV fistulas in the rat.
DR. GONZÁLEZ-LLANOS
LABORATORY

15:30-18:00h "Hands-on": End-to-Side and end to end anastomosis in rat
LABORATORY

18.00-20.00h CASES FOR DISCUSSION
3D HALL

20.00h BUS TRANSPORT TO THE OFFICIAL COURSE DINNER

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SATURDAY, December 20th, 2025

09:10-10:00h DEMONSTRATION

"Hands-on": MICROVASCULAR TRAINNING IN BRAIN SPECIMEN.
ANASTOMOSIS:

- End-to-side
- End-to-end
- Lateral-Lateral

LABORATORY

10:00-10:30h COFEE-BREAK

10:30-14.00h DEMONSTRATION

"Hands-on": MICROVASCULAR TRAINNING IN BRAIN SPECIMEN.
ANASTOMOSIS:

- End-to-side
- End-to-end
- Lateral-Lateral

LABORATORY

14:00-15:00h BREAK. LUNCH

SATURDAY, December 20th, 2025

WORLD SYMPOSIUM ON SKULL BASE AND CEREBROVASCULAR MICRONEUROSURGERY

3D HALL

15:00-15.20h Surgery of AVMS. Embolization?
DR. PATEL

15:30-15:50h Tricks in AVM surgery
DR. GONZÁLEZ-LLANOS

16.00-16.20h Microsurgery of AVMS
DR. PABLO RUBINO

16.30-16.50h Training in neurosurgery. How to become a master
DR. JON OLABE

17:00-17.20h Illustration in neurosurgery. How to do it
DR. KOSUMO NODA

17.30-17.50h Cavernous sinus as a corridor. MIPLATTA
DR. MURA

18.00-18.20h Surgical treatment of acute ischemia
DR. ROKUYA TANIKAWA

19.00-19.20h Surgery of brain stem cavernomas
DR. LAWTON

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