

REGISTRATIONS



Technical Secretariat



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20 26 XXI EXTRA-INTRACRANIAL BY-PASS AND ANEURYSM CLIPPING MICROSURGERY COURSE.

PROGRAMME

MADRID

December 15th - 19th, 2026

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

Organize: Dr. Francisco González-Llanos

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 15th to Saturday, December 19th, 2026. 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. Jorge Mura, MD
Master of Chilean Neurosurgery™
Past-President Chilean Society of
Neurosurgery. Santiago, Chile.



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



Prof. Michael Lawton
Phoenix, Arizona



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



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



Prof. Maximiliano Núñez
Hospital Nestor Kischner
Buenos Aires

2026 XXI EXTRA-INTRACRANIAL BY-PASS AND ANEURYSM CLIPPING MICROSURGERY COURSE

TUESDAY, December 15th, 2026

3D HALL

**UAM
LABORATORY**

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 16th, 2026

IdiPAZ

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
OR IdiPaz

18.00 - 20.00h CASES FOR DISCUSSION
3D HALL

**2026 XXI EXTRA-INTRACRANIAL BY-PASS AND
ANEURYSM CLIPPING MICROSURGERY COURSE**

THURSDAY, December 17th, 2026

IdiPAZ

LIVE CASE WITH DIRECT BROADCASTING

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": Side to side anastomosis in rat.
[Laboratory](#)

13.30 - 14.30h DEMONSTRATION
"Hands-on": Advanced techniques for anastomosis
DR. GONZÁLEZ-LLANOS
[Laboratory](#)

14.30 - 15.30h 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
OR IdiPaz

18.00 - 20.00h CASES FOR DISCUSSION
[3D HALL](#)

FRIDAY, December 18th, 2026

IdiPAZ

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 - 15.30h BREAK. LUNCH.

15.30 - 16.30h DEMONSTRATION
"Hands-on": Microsuturing veins. Creating AV fistulas in the rat.
DR. GONZÁLEZ-LLANOS
[Laboratory](#)

16.30 - 18.00h "Hands-on": End-to-Side and end to end anastomosis in rat
[Laboratory](#)

18.00 - 19.30h CASES FOR DISCUSSION
[3D HALL](#)

20.00h BUS TRANSPORT TO THE OFFICIAL COURSE DINNER

**2026 XXI EXTRA-INTRACRANIAL BY-PASS AND
ANEURYSM CLIPPING MICROSURGERY COURSE**

SATURDAY, December 19th, 2026

3D HALL

**UAM
LABORATORY**

09.10 - 10.00h DEMONSTRATION
"Hands-on": MICROVASCULAR TRAINING IN BRAIN SPECIMEN.
ANASTOMOSIS:
End-to-side
End-to-end
Lateral-Lateral

10.00 - 10.30h COFEE-BREAK

10.30 - 14.00h DEMONSTRATION
"Hands-on": MICROVASCULAR TRAINING IN BRAIN SPECIMEN.
ANASTOMOSIS:
End-to-side
End-to-end
Lateral-Lateral

14.00 - 15.00h BREAK. LUNCH.

SATURDAY, December 19th, 2026

**WORLD SYMPOSIUM ON SKULL BASE
AND CEREBROVASCULAR MICRONEUROSURGERY**

3D HALL

15.00 - 15.20h Anatomical study in the lab. The path for imperfection
DR. MAXIMILIANO NUÑEZ

15.30 - 15.50h Cavernous sinus as a corridor. MIPLATTA
DR. MURA

16.00 - 16.20h Training in neurosurgery. How to become a master
DR. JON OLABE

16.30 - 16.50h Surgical treatment of acute ischemia
DR. ROKUYA TANIKAWA

17.00 - 17.20h Following Kamiyama. The art of microvascular neurosurgery.
DR. OTA

17.30 - 17.50h Microsurgery of AVMS
DR. PABLO RUBINO

18.00 - 18.20h 20h Tricks in AVM surgery
DR. GONZÁLEZ-LLANOS

18.30 - 18.50h 50h Seven AMVs
DR. LAWTON

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