



2023

XVIII MICROSURGERY COURSE

PRESENTIAL Madrid

VASCULAR CEREBRAL BYPASS EXTRA-INTRACRANEAL and SKULL BASE



Hands-on Course with 3D Lectures
and Virtual reality

Madrid, December 13th – 16th, 2023

Vascular Microsurgical Course focused on Cerebral revascularization



Contact: comunicacion@neurocirugiagonzalezllanos.com

Web: <http://neurocirugiagonzalezllanos.com/microsurgery/>

Venue:



Research Institute



CÁTEDRA
de Innovación en Neurocirugía



Continuing Education accreditation requested



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

Course Directors



Prof. Rafael García de Sola, MD
Director of the Chair of Innovation
in Neurosurgery at the
Autonoma University of Madrid. Spain

We are pleased to announce that the **"XVIII Microsurgery Course Vascular Cerebral, By-pass Extra-Intracranial and Skull Base"** will be held at the IdiPAZ Research Institute and Faculty of Medicine in Autonoma University of Madrid. Spain.

From Wednesday, December 13th to Saturday, December 16th, 2023.

This course provides the necessary skills to learn and manage different types of microsurgical anastomosis.
It is designed to also increase the skills of already trained neurosurgeons.

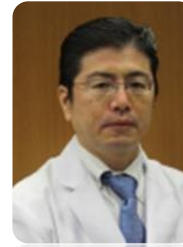
The ongoing development of microvascular surgery and endovascular techniques have increased need for revascularization processes.
You will be able to perform microsurgical anastomoses in live animals and experimental microvascular models, as well as clipping of different types of brain aneurysms.
You 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. they 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.

GUEST LECTURERS IN MADRID



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



Prof. Jorge Mura, MD
Institute of Neurosurgery Asenjo,
Clinica Las Condes
President of the Chilean Society
of Neurosurgery Santiago, Chile



Prof. Pablo Rubino, MD
Chief of the Neurosurgery
Service of the German Hospital.
Buenos Aires. Argentina



Walter Jean, MD
Chief of Neurological Surgery
at Lehigh Valley Health Network.
U.S.A.

Prof. Jacques J. Morcos, MD
Professor and Co-Chairman,
Department of Neurological Surgery
Professor of Clinical Neurosurgery
and Otolaryngology



Nakao Ota, MD
Sapporo Teishinkai Hospital
Stroke Center. Japan



Jon Olabe, MD
Chief of the Neurosurgery
Service at Juaneda Clínic.
Palma de Mallorca. Spain



Maximiliano Núñez, MD
Neurosurgeon
Hospital de Alta Complejidad
en Red El Cruce (HEC).
Buenos Aires. Argentina

LECTURERS on line



Prof. Michael T Lawton, MD
President and CEO Professor &
Chair, Department of Neurological
Surgery Chief, Neurovascular Surgery
Barrow Neurological Institute
Arizona, the U.S.A.



Edgar Nathal, MD
Chief in vascular Neurosurgery.
National Institute of Neurology
and Neurosurgery "Manuel
Velasco Suarez", Mexico City



Kosumo Noda, MD
Sapporo Teishinkai Hospital
Stroke Center. Japan

2023 XVIII MICROSURGERY COURSE VASCULAR CEREBRAL BY-PASS EXTRA-INTRACRANEAL and SKULL BASE

Schedule	Wednesday, December 13th, 2023	Schedule	Thursday, December 14th, 2023	Schedule	Friday, December 15th, 2023	Schedule	Saturday, December 16th, 2023	
08:30-08:40 3D Hall	WELCOME NOTE and INTRODUCTION	08:30-09:00 3D Hall	DEMONSTRATION:End-to-end anastomosis in rat. Francisco González-Llanos, MD	08:30-09:00 3D Hall	DEMONSTRATION: Latero-Lateral Anastomosis in rat. Francisco González-Llanos, MD	08:30-09:15 3D Hall	DEMOSTRATION: EXPERIMENTALMODELS. Jon Olabe	
08:40-09:10 3D Hall	DEMONSTRATION: End-to-side anastomosis in rat. Francisco González-Llanos, MD	09:00-10:45 Laboratory	"Hands-on": End-to-end anastomosis in rat	09:00-10:45 Laboratory	"Hands-on": LATERAL-LATERAL ANASTOMOSIS in rat	09:15-10:45 Laboratory	"Hands-on": MICROVASCULAR TRAINNING IN CHICKEN WING. AND BRAIN SPECIMEN. ANASTOMOSIS: • End-to-side • End-to-end • Lateral-Lateral	
09:10-10:45 Laboratory	"Hands-on": End-to-side anastomosis in rat	10:45-11:00	COFEE-BREAK	10:45-11:00	COFEE-BREAK			
10:45-11:00	COFEE-BREAK	11:00-14:30 Laboratory	"Hands-on": End-to-end anastomosis in rat	11:00-14:30 Laboratory	"Hands-on": LATERAL-LATERAL ANASTOMOSIS in rat	10:45-11:00	COFEE-BREAK	
11:00-14:30 Laboratory	"Hands-on":End-to-side anastomosis in rat	14:30-15:45	BREAK. LUNCH	14:30-15:45	BREAK. LUNCH	11:00-14:30 Laboratory	"Hands-on": MICROVASCULAR TRAINNING IN CHICKEN WING. AND BRAIN SPECIMEN. ANASTOMOSIS: • End-to-side • End-to-end • Lateral-Lateral	
14:30-15:45	BREAK. LUNCH	15:45-16:15 3D Hall	Tanks Anatomy. Pablo Rubino, MD	15:45-16:15 3D Hall	Mentoring			
15:45-16:15 3D Hall	History and Techniques of bypass Francisco González-Llanos, MD	16:15-21:30	"Hands on"	16:15-16:45 3D Hall	Microsurgical Anatomy of the Cavernous Sinus by Transcraneal Approach. Maximiliano Núñez, MD	14:30-15:45	BREAK. LUNCH	
16:15-16:45 3D Hall	Principle of microanastomosis Rokuya Tanikawa, MD	Operating Room	CLIPPING OF ANEURYSMS IN PORCINE LIVE ANIMAL MODEL	16:45-17:15 3D Hall	Posterior Circulation Anatomy. Pablo Rubino, MD			
16:45-17:15 3D Hall	Anterior Circulation Anatomy Pablo Rubino, MD			17:15-17:45 3 D Hall	1.-A. ICA. Ophthalmic Carotid. 2.- Posterior Communicator. 3.- A. Anterior choroid. 4.- Carotid Bifurcation .5.- M16.- ACM fork. 7.- Ac. Anterior Proximal A1). 8.- AcoA. 9.- Distal anterior cerebral a.	17:15-17:45 3D Hall	Minipterional Approach to Aneurysms. Jon Olabe, MD	16:15-16:45 3D Hall
17:15-17:45	Surgical approaches to the basilar apex aneurysms. Nakao Ota, MD	17:45-18:15 3D Hall	16:15-21:30 3D Hall	17:45-18:15 3D Hall		Minipterional Transcavernous Approach. "Miplatta". Jorge Mura, MD	16:45-17:15 3D Hall	Jacques J. Morcos, MD
17:45-18:15	Microsurgical Management of Cerebral Ischaemia. Jorge Mura, MD	18:15-18:45 3D Hall		PARALELL		18:15-18:45	Transcavernous approach and middle fossa anatomy. Rokuya Tanikawa, MD	17:15-17:45 3D Hall
18:15-18:45	Minimally Invasive Approaches for Aneurysm Surgery. Walter Jean, MD	18:45-19:15 3D Hall	POSTERIOR FOSSA ANEURYSMS		18:45-19:15	Emergent subarachnoid clot removal with aneurysm repair for SAH might improves clinical outcome. Nakao Ota, MD	17:45-18:15 3D Hall	Transmastoid approach, suboccipital anatomy including condylar fossa. Rokuya Tanikawa, MD
18:45-19:15	Cerebral Revascularizacion in Complex Aneurysms. First to Third Generation Bypasses. Jorge Mura, MD	19:15-19:45 3D Hall		SESIONS	19:15-19:45	Virtual Reality Planning and Augmented Reality Guidance of AVM Surgery. Walter Jean, MD	18:15-18:45 3D Hall	Microsurgical Management of Vestibular Schwannomas 266 cases in 20 years. Jorge Mura, MD
19:15-19:45	Brainsteim Cavernomas. Maximiliano Núñez, MD	19:45-20:15 3D Hall	AICA		19:45-20:15	Basilar Aneurysms. Francisco González-Llanos, MD	18:45-19:15 3D Hall	Paraclinoid aneurysms. Pablo Rubino, MD
19:45-20:15	Management of complex intracranial aneurysms with bypass surgery. Francisco González-Llanos, MD	20:15-20:45		Presentation and discussion of Clinical Cases. VASCULAR SKULL BASE	20:15-20:45	Edgar Nathal, MD	19:15-19:45	Bypass past, present, future. Francisco González-Llanos, MD
20:15-21:30	Presentation and discussion of Clinical Cases. VASCULAR SKULL BASE	20:45-21:30 3D Hall	Presentation and discussion of Clinical Cases. VASCULAR SKULL BASE		20:45-21:30 3D Hall	Presentation and discussion of Clinical Cases. VASCULAR SKULL BASE	19:45-20:00 3D Hall	Questions and answers. Conclusions
							16:46-19:00 PARALELL SESIONS	Virtual Reality Planning and Augmented Reality Guidance. Walter Jean, MD
						20:00-20:30 3D Hall	End of the Course. Course Evaluation. Delivery certificate.	

All Conferences
will be 3D



We will have:

**The latest
Zeiss technology**

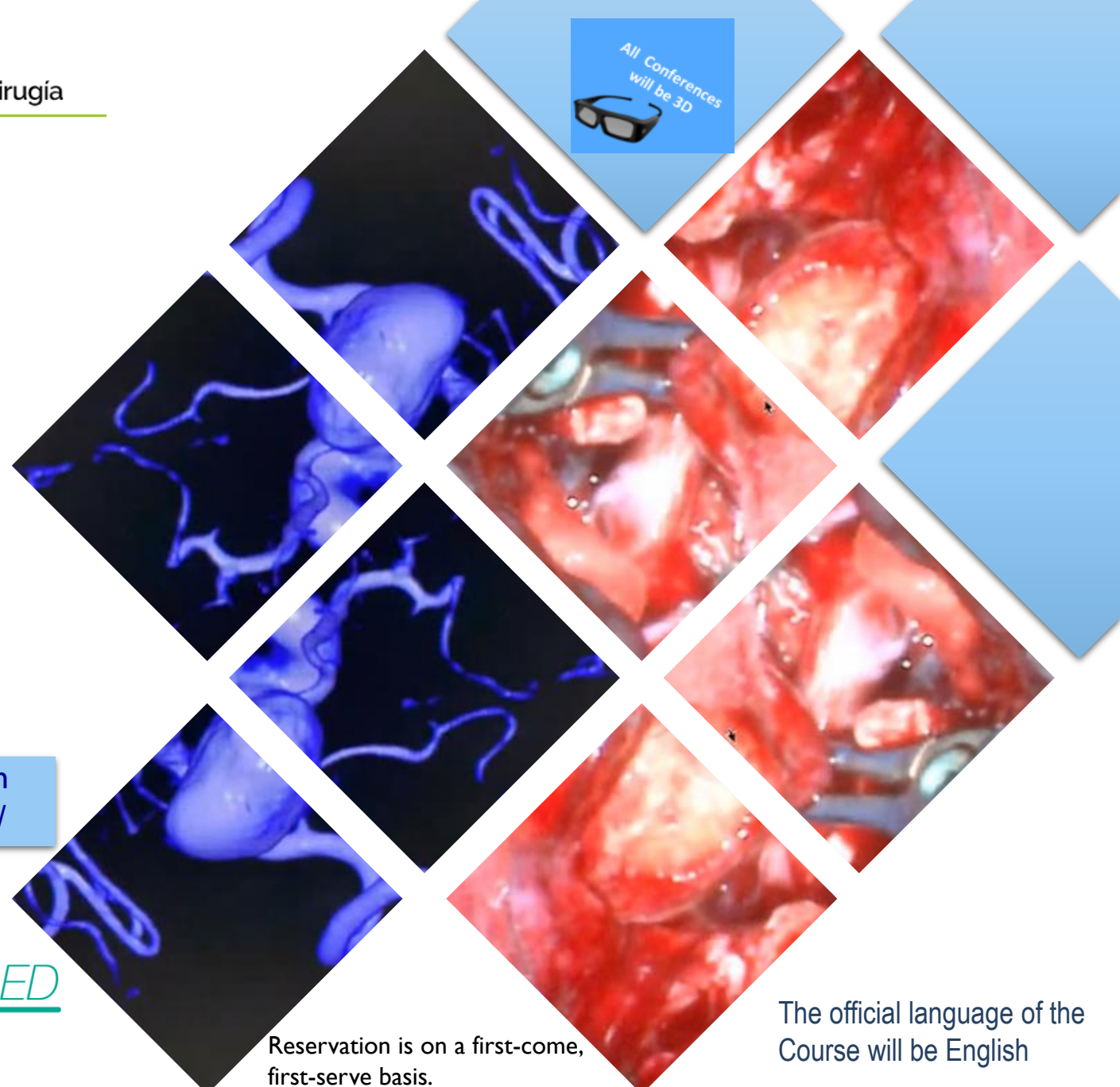
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Web: <http://neurocirugiagonzalezllanos.com/microsurgery/>

SPONSORS



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Reservation is on a first-come,
first-serve basis.

The official language of the
Course will be English