



# MICROSURGERY

## 2018 XIII COURSE

# VASCULAR CEREBRAL and BYPASS EXTRA-INTRACRANEAL

Madrid, 12<sup>th</sup> – 16<sup>th</sup> December

Vascular microsurgical course focused  
on cerebral revascularization

30 hours of practical microanastomosis in 5 days

Continuing Education accredited with 5,4 credits



Hospital Universitario La Paz

SaludMadrid

Comunidad de Madrid



# Course Directors



Dear Colleagues,

Welcome to the:  
***“XIII MICROSURGERY COURSE  
VASCULAR CEREBRAL and BY-PASS  
EXTRA-INTRACRANIAL”.***

The Course will give you the necessary skills to learn and handle different kinds of microsurgical anastomosis. It is designed to increase the skills of already trained microsurgeons. Permanent development of microvascular surgery and endovascular technologies has increased the need for revascularization procedures.

You will be able to perform microsurgical arterial anastomoses in alive animals and experimental microvascular models.

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

Surgical cerebral revascularization and aneurysms management is also part of this Course.

Based on active research and broad clinical experience these courses represent the actual state of knowledge in the field of vascular micro-neurosurgery.

The technical developments of neuronavigation, neuroendoscopy, etc. are big steps forward but will not decrease the need of microsurgical experience.

Moreover lectures by distinguished invited specialists will update us with the possibilities of micro-neurosurgery in their relevant areas of interest.

We will make every effort to make this Course a scientific and personally enriching meeting for you.

Yours Sincerely.

Francisco González-Llanos, MD

Chief of Service of the Neurosurgery Service  
of the Hospital Virgen de la Salud of Toledo.

José Roda, MD

Chief of Service of the Neurosurgery  
Service of the Hospital La Paz of Madrid

## Invited Faculty



**Rokuya Tanikawa, MD**  
Sapporo Teishinkai  
Hospital Stroke Center  
Japan



**Jorge Mura, MD**  
The Institute of Neurosurgery  
Dr. Asenjo.  
Chile



**Pablo Rubino, MD**  
Hospital of High Complexity  
Crossing. Argentina



**Eberval G. Figueiredo, MD**  
Hospital University of São Paulo.  
Brazil



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



**Jon Olabe, MD**  
Clínica Juaneda.  
Palma de Mallorca.  
Spain



**Antonio Orgaz, MD**  
Hospital Virgen de la Salud.  
Toledo. Spain



**Angel Flores, MD**  
Hospital Virgen de la Salud.  
Toledo. Spain

The official language of the Course will be English

Schedule **WEDNESDAY, DECEMBER 12, 2018**

**CONFERENCE HALL**

**09:30-10:00**

**INTRODUCTION AND WELCOME**

**10:00-10:20**

**INTRODUCTION: History and basics Tecnicas.**

Francisco González-Llanos

**10:20-11:00**

**DEMONSTRATION: TT Anastomosis and femoral artery catheterization.**

**11:00-11:20**

**COFFEE-BREAK**

**11:20-12:00**

AVMs. Francisco González-Llanos

**12:00-12:30**

**DEMONSTRATION: Aorta Anastomosis rat T-T**

**OPERATING ROOM: Small Animals**

**12:30-14:00**

**PRACTICES:**

**Anastomosis of Aorta T-T in rat.**

**14:00-15:30**

**BREAK. LUNCH.**

**CONFERENCE HALL**

**15:30-16:30**

**DEMONSTRATION: Carotid Anastomosis in rat T-L**

**OPERATING ROOM: Small Animals**

**16:30-19:00**

**PRACTICES:**

**T-L Carotid Anastomosis in rats.**

**OPERATING ROOM: Large Animals**

**16:30-19:00**

**CLIPPING PRACTICES IN PORCINE MODEL.**

**1-ANEURISM PCOM**

**CONFERENCE HALL**

**19:00-19:30**

**MICROSURGERY OF CEREBRAL ANEURYSMS. Pablo Rubino**

Schedule **THURSDAY, DECEMBER 13, 2018**

**CONFERENCE HALL**

**09:00-09:30**

**DEMONSTRATION: TT Anastomosis and femoral artery catheterization.**

**OPERATING ROOM: Small Animals**

**09:30-11:00**

**PRACTICES:  
Femoral artery.**

**11:00-11:20**

**COFFEE-BREAK**

**CONFERENCE HALL**

**11:20-11:50**

**DEMONSTRATION: Cervical arterio-venous fistulas in rats.**

**OPERATING ROOM: Small Animals**

**11:50-12:50**

**PRACTICES: Cervical arterio-Venous fistulas in rats.**

**OPERATING ROOM: Large Animals**

**11:50-12:50**

**CLIPPING PRACTICES IN PORCINE MODEL.2-  
ANEURISM FORK**

**12:50-14:15**

**DEMONSTRATION AND PRACTICES OF:  
EMBOLECTOMIA IN PORCINE MODEL.**

**14:15-15:30**

**BREAK. LUNCH.**

**CONFERENCE HALL**

**16:00-16:30**

**SYLVIAN FISSURES OPENING. Rokuya Tanikawa**

**16:30-16:50**

**ANTERIOR CLINOIDECTOMY. RokuyaTanikawa**

**16:50-17:10**

**MICROSURGICAL MANAGEMENT OF ANEURYSMS  
PARACLINOIDEOS. Jorge Mura**

**17:10-17:50**

**CONTRALATERAL APPROACH TO BILATERAL MIDDLE  
CEREBRAL ARTERY ANEURYSMS. Kosumo Noda**

**17:50-18:10**

**CEREBRAL ISCHEMIA CHRONIC.BY PASS.  
Rokuya Tanikawa**

**18:10-18:40**

**ACUTE ISCHEMIA.EMBOLECTOMIA.INTRODUCTION.  
Jorge Mura**

**18:40-19:00**

**EMBOLECTOMIA. RESULTS.  
Rokuya Tanikawa**

Schedule **FRIDAY, DECEMBER 14, 2018**

	CONFERENCE HALL
<b>09:00-09:30</b>	<b>DEMONSTRATION: By-pass STA-MCA in brain specimen.</b>
	OPERATING ROOM:Small Animals
<b>09:30-11:00</b>	<b>PRACTICES: By-pass STA-MCA in brain specimen.</b>
<b>11:00-11:20</b>	<b>COFFEE-BREAK</b>
	CONFERENCE HALL
<b>11:20-11:50</b>	<b>DEMONSTRATION: By-pass high flow in brain specimen.</b>
	OPERATING ROOM:Small Animals
<b>11:50-12:50</b>	<b>PRACTICES: By-pass high flow in brain specimen.</b>
	OPERATING ROOM: Large Animals
<b>11:50-12:50</b>	<b>CLIPPING PRACTICES IN PORCINE MODEL.3-ANEURYSMS ACOM</b>
	CONFERENCE HALL
<b>12:50-14:15</b>	<b>DEMONSTRATION AND PRACTICES OF: BASE SKULL APPROACH TO ANEURYSMS OF POSTERIOR CIRCULACION.</b>
<b>14:15-15:30</b>	<b>BREAK. LUNCH.</b>
	CONFERENCE HALL
<b>16:00-16:15</b>	<b>3D APPLICATION IN NEUROSURGERY.</b> Pablo Rubino
<b>16:15-16:25</b>	<b>MINIPICTERIONAL CRANIOTOMY:TECHNICAL DESCRIPTION AND ANATOMIC ASSESSMENT.</b> Eberval G. Figueiredo
<b>16:25-16:35</b>	<b>BY-PASS IN ANEURYSMS OF ANTERIOR CIRCULATION 1.</b> Francisco González-Llanos
<b>16:35-16:45</b>	<b>BY-PASS IN ANEURYSMS OF ANTERIOR CIRCULATION 2.</b> Jorge Mura
<b>16:45-17:05</b>	<b>SURGICAL EXPERIENCE MINIPICTERIONAL CRANIOTOMY RUPTURED AND UNRUPTURED ACA.</b> Eberval G. Figueiredo
<b>17:25-18:00</b>	<b>ANTERIOR PETROSECTOMY.</b> Francisco González-Llanos
<b>18:00-18:30</b>	<b>POSTERIOR PETROSECTOMY.</b> Rokuya Tanikawa
<b>18:30-19:00</b>	<b>APPROACH FAR LATERAL.</b> Jorge Mura

Schedule **SATURDAY, DECEMBER 15, 2018**

	<b>OPERATING ROOM: Small Animals</b>
<b>09:00-09:30</b>	<b>DEMONSTRATION:</b> Anastomosis Lat-Lat in brain specimen
<b>09.30-11:00</b>	<b>PRACTICES:</b> Anastomosis Lat-Lat in brain specimen
<b>11:00-11:20</b>	<b>COFEE-BREAK</b>
	<b>OPERATING ROOM: Small Animals</b>
<b>11:20-11:50</b>	<b>DEMONSTRATION:</b> Suture continuous with tension in Anastomosis Terminolat and Terminoterminal.
<b>11:50-12:50</b>	<b>PRACTICES:</b> Suture Continuous.
	<b>OPERATING ROOM: Large Animals</b>
<b>11:50-12:50</b>	<b>CLIPPING PRACTICES IN PORCINE MODEL. 3 - BASILAR ANEURYMS</b>
	<b>OPERATING ROOM: Small Animals</b>
<b>12:50-13:15</b>	<b>DEMONSTRATION:</b> Skull base approaches for posterior circulation aneurysms.
<b>13:15-14:15</b>	<b>PRACTICES:</b> Skull base approaches for posterior circulation aneurysms.
<b>14:15-15:30</b>	<b>BREAK. LUNCH.</b>
	<b>CONFERENCE HALL</b>
<b>16:00-16:15</b>	<b>EDUCATION AND TRAINING SURGERY FOR CEREBRAL ANEURYSM AND REVASCULARIZATION.</b> Kosumo Noda
<b>16:15-16:30</b>	<b>CEREBRAL REVASCULARIZATION IN THE TREATMENT OF COMPLEX ANEURYSMS.</b> Pablo Rubino
<b>16:30-16:50</b>	<b>ACCESS MINIPETERIONAL IN CEREBRAL ANEURYSMS.</b> Eberval G. Figueiredo
<b>16:50-17:15</b>	<b>MINIMALLY INVASIVE CLINOIDECTOMY.</b> Jorge Mura
<b>17:15-17:35</b>	<b>CAROTIC ARTERY STENTING. Good Results?</b> Antonio Orgaz
<b>17:35-17:55</b>	<b>ENDOSCOPIC VEIN AND ARTERY HARVESTING.</b> Angel Flores
<b>17:55-18:10</b>	<b>PETROCLIVALES INJURIES.</b> Jorge Mura
<b>18:10-18:30</b>	<b>ANEURYSMS. EXPERIMENTAL MODELS.</b> Jon Olabe
<b>18:30-19:30</b>	<b>MASTER CLASS ON BRAIN SPECIMEND. MASTER DISSECTION.</b> By Faculty.Hands on cadaver dissection

Schedule **SUNDAY, DECEMBER 16, 2018**

<b>CONFERENCE HALL</b>	
<b>09:00-09:30</b>	<b>EXPERIMENTAL MODELS.</b> Jon Olabe
<b>09:30-10:00</b>	<b>MICROVASCULAR TRAINING IN CHICKEN WING.</b> Jon Olabe
<b>OPERATING ROOM:Small Animals</b>	
<b>10:00-11:00</b>	<b>DEMONSTRATION:</b>
	<b>Training model microvascular chicken wing.</b>
<b>11:00-11:30</b>	<b>COFEE-BREAK</b>
<b>11:30-12:00</b>	<b>PRACTICES: Training model microvascular chicken wing.</b>
<b>OPERATING ROOMS: Small Animals Large Manimals</b>	
<b>12:30-14:00</b>	<b>FREE PRACTICES</b>





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The official language of the Course will be English

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