



European **Vascular** and **Endovascular**
Neurosurgery Master Study Program

THEORETICAL LESSONS and HANDS-ON PROGRAM

PROGRAM DIRECTOR:
Simone PESCHILLO
Professor of Endovascular Neurosurgery



European **Vascular** and **Endovascular** Neurosurgery Master Study Program

Faculty

Francesco Acerbi	David Netuka
Alessio Albanese	Erez Nossek
Adam Arthur	Emanuele Orrù
David Bervini	Giacomo Pavesi
Carlo Bortolotti	Massimo Miscusi
Jan Karl Burkhardt	Simone Peschillo
Delia Cannizzaro	Filip Vitosevic
Andrea Cardia	Eytan Raz
Giuseppe Catapano	Vladimir Kalousek
Marco Cenzato	Veit Rohde
Alfredo Conti	Maksim Shapiro
Alessandro della Pupa	Francesco Signorelli
Francesco Diana	Carmelo Sturiale
Giuseppe Esposito	Claudius Thomè
Alberto Feletti	Serena Tola
Paolo Ferrolì	Luigino Tosatto
Andreu Gabarrós Canals	Peter Vajkoczy
Andreas Gruber	Nikolay Velinov
Francesco Massari	Daniel Walsh
Pablo Lopez Ojeda	Shinichi Yoshimura
Enrico Marchese	Rebeca Pérez-Alfayate
Luca Valvassori	Alessandro Stefani

Special lectures

Xu Bin	06/02/2025	Pierpaolo Peruzzi	27/02/2025
Ioan-Ştefan Florian	23/01/2025	Antonino Raco	20/06/2024
Marco M. Fontanella	10/07/ 2024	Gabriel J.E. Rinkel	27/02/2025
Hubert Desal	T.B.D.	Krešimir Rotim	T.B.D.
Pascal M. Jabbour	09/01/ 2025	Franco Servadei	04/04 2024
Ekkehard Kasper	07/11/ 2024	Yong-Sam Shin	12/09/2024
Giuseppe Lanzino	20/02/2025	Shoki Takahashi	10/05/2024
Martin Lehecka	T.B.D.	Francesco Tomasello	T.B.D.
Jorge Mura	03/10/ 2024	Alejandro Tomaselo	05/12/2024











Hands-on Session

Venue: Unicamillus – Via di Sant’Alessandro, 8

May, 17th 2024; November, 11th 2024 – All day long



European **Vascular** and **Endovascular** Neurosurgery Master Study Program

HOSTING CENTERS		SCIENTIFIC REFERENTS - TUTORS	
MILANO/NIGUARDA		tbd.	CENZATO
MILANO/SS PIETRO E PAOLO		VALVASSORI	
ZURICH			REGLI / ESPOSITO
BOLOGNA			STURIALE / BORTOLOTTI
GÖTTINGEN			ROHDE
MADRID			GONZÁLEZ-LLANOS
MILANO/BESTA			ACERBI
ZAGREB		ROTIM / KALOUSEK	
LINZ		GRUBER <small>(tbc)</small>	
BARCELONA		GABARRÓS CANALS - OJEDA	

	ENDOVASCULAR
	OPEN VASCULAR
	HYBRID

CONTACTS

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Pablo Lopez Ojeda	pablo.fellowship@gmail.com
Vladimir Kalousek	vladozg@gmail.com



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THEORETICAL LESSONS PROGRAM

April 4th, 2024 (on-line) – Anatomy

TIME	TITLE	SPEAKER
14:00 – 14:30	Special Lecture	F. Servadei
14:30 – 15:00	Embryological vascular anatomy of the central nervous system	E. Raz
15:00 – 15:30	Angiographic anatomy: arterial and venous systems of brain and spine	M. Shapiro
15:30 – 16:00	EC circulation and EC-IC anastomoses: tips for vascular and endovascular neurosurgery	M. Shapiro
16:00 – 16:30	Cone Beam CT: microvascular anatomy	E. Raz
16:30 – 17:00	DISCUSSION	

May 15th, 2024 (on-line) – Brain aneurysm

TIME	TITLE	SPEAKER
13:15 – 13:30	Introduction	S. Peschillo
13:30 – 14:00	Ruptured and unruptured aneurysm: indications for treatment	A. Cardia
14:00 – 14:30	Basic principles in aneurysm surgery: tips and tricks	A. Feletti
14:30 – 15:00	Vascular and microsurgical instrumentation and equipment	F. Acerbi
15:00 – 15:30	Surgical approaches: Pterional / Pretemporal / Oz Approaches	A. Della Puppa
15:30 – 16:00	Surgical approaches: Minipterional, Lso, Eyebrow, Endoscopic Pterional	P. Ferroli
16:00 – 16:30	Surgical approaches: Subtemporal, Pretemporal Approaches, Transylvian Transclinoidal and Transcavernous to Basilar Tip	D. Walsh
16:30 – 17:00	Surgical approaches: Retrolabyrinthine Transsigmoid and Extreme Lateral Infrjugular Transcondylar-Transtubercular, Kawase	P. Vajkoczy
17:00 – 17:30	Complications: how to avoid and get out of them	A. Albanese
17:30 – 18:00	DISCUSSION	

June 12th, 2024 (on-line) – Brain aneurysm

TIME	TITLE	SPEAKER
09:00 – 09:20	Indications for microsurgical cerebral revascularization	C. Bortolotti
09:20 – 09:40	Extracranial-Intracranial Bypass: Superficial temporal artery to middle cerebral artery anastomosis	B. Xu
09:40 – 10:00	High-Flow cerebral revascularization with radial artery and saphenous vein grafts	E. Nosseck
10:00 – 10:20	Revascularization options for complex aneurysms	M. Cenzato
10:20 – 10:40	Awake open surgical for brain aneurysms	D. Netuka
10:40 – 11:00	Neuro Hybrid Operating Room in vascular and endovascular neurosurgery	A. Gruber
11:00 – 11:20	Endovascular assisted aneurysm clipping in a hybrid OR	A. Gabarrós Canals
11:20 – 11:50	DISCUSSION	
11:50 – 12:10	General aspects of interventional procedures	F. Massari
12:10 – 12:30	Endovascular instrumentation and equipment	E. Orrù
12:30 – 12:50	Vascular access in brain aneurysms: femoral vs radial	F. Vitosevic



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12:50 – 13:10	Basic and advanced endovascular techniques: Coils and Balloon-Assisted coiling, Stent-Assisted Coil embolization	S. Yoshimura
13:10 – 14:10	PAUSE	
14:10 – 14:30	Flow-diverters	A. Arthur
14:30 – 14:50	Flow-disruptors	A. Arthur
14:50 – 15:10	Clipping or coiling: decision making	J.K. Burkhardt
15:10 – 15:30	Atypical and complex aneurysms: endovascular management	S. Peschillo
15:30 – 15:50	Fusiform aneurysms: endovascular challenge	N. Velinov
15:50 – 16:10	Cavernous aneurysms: destructive vs reconstructive approach	F. Massari
16:10 – 16:30	DISCUSSION	

July 10 th , 2024 (on-line) – Brain AVMs		
TIME	TITLE	SPEAKER
13:00 – 13:30	Special Lecture	M. M. Fontanella
14:00 – 14:30	Hemodynamics of Brain AVMs	S. Tola
14:30 – 15:00	Imaging for pial AVMs and AVFs: how I assess angioarchitecture	E. Orrù
15:00 – 15:30	Treatment of AVMs: Current concepts and future directions	V. Rohde
15:30 – 16:00	Current management strategy for unruptured brain AVM	C. Sturiale
16:00 – 16:30	Ruptured brain AVMs: how to manage?	A. della Puppa
16:30 – 17:00	Microsurgical excision of brain AVM in eloquent area	G. Pavesi
17:00 – 17:30	Molecular biology of AVMs	R. Pérez-Alfayate
17:30 – 18:00	DISCUSSION	

September 12 th , 2024 (on-line) – Brain DAVFs		
TIME	TITLE	SPEAKER
13:00 – 13:30	Special Lecture	Yong-Sam Shin
14:30 – 15:00	Intracranial DAVF. When is microsurgery indicated?	C. Thomè
15:00 – 15:30	Complex DAVF from an endovascular point of view	S. Peschillo
15:30 – 16:00	Complex DAVF from a microsurgery point of view	L. Tosatto
16:00 – 16:30	Management of spinal DAVF	M. Miscusi
16:30 – 17:00	Ethmoidal dural fistula. Endovascular and microsurgical approaches	D. Cannizzaro
17:00 – 17:30	Cavernous sinus DAVF: how to manage	E. Raz
17:30 – 18:00	DAVF embolization: trans-arterial or trans-venous?	F. Diana
18:00 – 18:30	DISCUSSION	

October 3 th , 2024 (on-line) – Spinal AVMs and AVFs		
TIME	TITLE	SPEAKER
14:00 – 14:30	Special Lecture	J. Mura
14:30 – 15:00	Applied spinal angiographic anatomy	E. Raz
15:00 – 15:30	Anatomy and classification of spinal AVMs	S. Peschillo
15:30 – 16:00	Treatment of complex spinal vascular lesions	P. Ferroli
16:00 – 16:30	Spinal AVFs and AVMs: endovascular treatment	L. Valvassori
16:30 – 17:00	Surgical management of spinal AVFs	A. Albanese
17:00 – 17:30	Surgical management of spinal AVMs	F. Signorelli
17:30 – 18:00	DISCUSSION	



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November 7th, 2024 (on-line) – Focus on

TIME	TITLE	SPEAKER
14:00 – 14:30	Special Lecture	E. Kasper
14:30 – 15:00	By-pass technique and revascularization in Moya-Moya	D. Bervini
15:00 – 15:30	Cavernoma: How to deal with it	V. Rohde
15:30 – 16:00	Machine Learning for cerebral vascular pathologies	P. Lopez Ojeda
16:00 – 16:30	Middle meningeal artery embolization for chronic subdural hematomas	E. Orrù
16:30 – 17:00	Update on common pediatric neurointerventional procedures	T.B.D
17:00 – 17:30	Radiosurgery in Vascular pathologies	A. Conti
17:30 – 18:00	DISCUSSION	

December 5th, 2024 (on-line) – Focus on

TIME	TITLE	SPEAKER
14:00 – 14:30	Special Lecture	A. Tomasello
14:30 – 15:00	Review of the literature: Clipping versus coiling for ruptured MCA aneurysm associated with intracerebral hematoma requiring surgical decompression	G. Catapano
15:00 – 15:30	Trans-arterial tumors embolization techniques	E. Orrù
15:30 – 16:00	Hemodynamic of intracranial aneurysms	D. Cannizzaro
16:00 – 16:30	Vessel closure devices: which should we use?	F. Diana
16:30 – 17:00	Endovascular shunting	P. Lylyc
17:00 – 17:30	DISCUSSION	

January 9th, 2025 (on-line) – Venous sinus diseases

TIME	TITLE	SPEAKER
14:00 – 14:30	Special Lecture	P. Jabbour
14:30 – 15:00	Pathophysiology, imaging of cerebral venous thrombosis	F. Massari
15:00 – 15:30	Treatment of cerebral venous sinus thrombosis	E. Orrù
15:30 – 16:00	Intracranial Hypertension and Hypotension: the diagnostic workup	V. Kalousek
16:00 – 16:30	Idiopathic intracranial hypertension: role of venous stenting	G. Lanzino
16:30 – 17:00	Spontaneous intracranial hypotension: the CSF venous fistula	G. Lanzino
17:00 – 17:30	DISCUSSION	

January 23rd, 2025 (on-line) – Focus on

TIME	TITLE	SPEAKER
13:00 – 13:30	Special Lecture	I.S. Florian
14:00 – 14:30	Anti-platelets in neuro-interventions	F. Diana
14:30 – 15:00	B.O.T. – methods for evaluating parent vessel sacrifice	M. Shapiro
15:00 – 15:30	Stent assisted coiling for ruptured intracranial aneurysms	S. Yoshimura
15:30 – 16:00	Stents and stent design: how to choose the one you need	S. Peschillo
16:00 – 16:30	Management of giant aneurysms: an endovascular and surgical point of view	J.K. Burkhardt
16:30 – 17:00	Clipping of aneurysms previously treated with EVT: when it is feasible?	E. Marchese
17:00 – 17:30	Aneurysmal SAH: diagnosis and management	S. Tola
17:30 – 18:00	DISCUSSION	



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February 6th, 2025 (on-line) - Stroke

TIME	TITLE	SPEAKER
14:00 – 14:30	Special Lecture	B. Xu
14:30 – 15:00	Clinical evaluation of Stroke patients	A. Stefani
15:00 – 15:30	Patients' selection for thrombectomy: the perfusion imaging dilemma	F. Massari
15:30 – 16:00	Mechanical thrombectomy: how to increase the TICI score?	E. Orrù
16:00 – 16:30	Intracranial stenosis and dissections; when to intervene	E. Raz
16:30 – 17:00	Management of extra-cranial artery dissection	N. Velinov
17:00 – 17:30	Tandem lesions: How to manage	F. Diana
17:30 – 18:00	DISCUSSION	

February 20th, 2025 (on-line) - Stroke

TIME	TITLE	SPEAKER
14:00 – 14:30	Special Lecture	G. Lanzino
14:30 – 15:00	Analysis and meta-analysis of thrombectomy stroke trials	L. Valvassori
15:00 – 15:30	Management of complications during thrombectomy	S. Peschillo
15:30 – 16:00	Low NIHSS: LVO vs MeVo	F. Diana
16:00 – 16:30	My approach to distal (A, M, P 2,3,4) occlusions?	V. Kalousek
16:30 – 17:00	Strokectomy for malignant MCA infarction	C. Bortolotti
17:00 – 17:30	Ischaemic stroke in children: need for intervention	T.B.D
17:30 – 18:00	DISCUSSION	

February 27th, 2025 (on-line) – Focus on

TIME	TITLE	SPEAKER
14:00 – 14:30	Special Lecture	G.J.E. Rinkel
14:30 – 15:00	Optimal timing and functional outcome of ventriculoperitoneal shunt placement in hydrocephalus after aneurysmal subarachnoid hemorrhage	A. Cardia
15:00 – 15:30	Impact of cisternostomy and cisternal drain on delayed hydrocephalus after aneurysmal subarachnoid hemorrhage	G. Pavesi
15:30 – 16:00	Utilizing 3D exoscopes is non-inferior to operative microscopes in aneurysm surgery	M. Cenzato
16:00 – 16:30	Microscope-assisted ICG video angiography in cerebrovascular surgery	D. Bervini
16:30 – 17:00	The ARUBA trial	M. Cenzato
17:00 – 17:30	Indications for treatment of tiny aneurysms	C. Bortolotti
17:30 – 18:00	Special Lecture	P. P. Peruzzi
18:00 – 18:30	DISCUSSION	



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SPECIAL LECTURES PROGRAMME

04/04 2024 – ON-LINE – SPECIAL LECTURES

14:00 – 14:30

HOW TO IMPROVE WORLDWIDE EDUCATION IN NEUROSURGERY

F. Servadei

10/05/ 2024 – ON-LINE – SPECIAL LECTURES

14:00 – 14:30

IMAGING ANATOMY OF THE PERFORATING ARTERIES OF THE BRAIN.

S. Takahashi

20/06/2024 – ON-LINE – SPECIAL LECTURES

14:00 – 14:30

CHOICE OF APPROACH, SURGICAL NUANCES, PEARL AND PITFALLS FOR ACOM ANEURYSMS

A. Raco

10/07/ 2024 – ON-LINE – SPECIAL LECTURES

13:00 – 13:30

THE DOUBLE ROLE OF NEUROSURGEON AND EDITOR IN CHIEF OF AN INTERNATIONAL JOURNAL

M.M. Fontanella

12/09/2024 – ON-LINE – SPECIAL LECTURES

14:00 – 14:30

BLISTER-LIKE ANEURYSMS, SURGICAL AND ENDOVASCULAR APPROACHES

Yong-Sam Shin

XXXXXX- ON-LINE – SPECIAL LECTURES

14:00 – 14:30

T.B.D.

F. Tomasello

03/10/ 2024 – ON-LINE – SPECIAL LECTURES

14:00 – 14:45

MIPLATTA APPROACH FOR COMPLEX ANEURYSMS

J. Mura

XXXXXXXX – ON-LINE – SPECIAL LECTURES



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14:00 – 14:45 T.B.D. M. Lehecka

07/11/ 2024 – ON-LINE – SPECIAL LECTURES

14:00 – 14:30 HYPERVASCULAR BRAIN TUMORS - THE ROLE OF ANGIOGRAPHY AND EMBOLIZATION E. Kasper

05/12/2024 – ON-LINE – SPECIAL LECTURES

14:00 – 14:30 ROBOTICS IN NEUROENDOVASCULAR PROCEDURES A. Tomasello

09/01/ 2025 – ON-LINE – SPECIAL LECTURES

14:00 – 14:30 RADIAL ACCESS FOR NEUROENDOVASCULAR APPROACHES P. Jabbour

23/01/2025 – ON-LINE – SPECIAL LECTURES

13:00 – 13:30 COMPLICATIONS OF BRAIN AVM SURGERY I.S. Florian

06/02/2025 – ON-LINE – SPECIAL LECTURES

14:00 – 14:30 HOW TO IMPROVE THE BY-PASS TECHNIQUES B. Xu

20/02/2025 – ON-LINE – SPECIAL LECTURES

14:00 – 14:30 CAVERNOUS MALFORMATIONS OF THE BRAIN AND SPINAL CORD G. Lanzino

27/02/2025 – ON-LINE – SPECIAL LECTURES

14:00 – 14:30 HOW TO INTERPRET STATISTICAL ANALYSIS IN MEDICAL STUDIES G. J. E. Rinkel

27/02/2025 – ON-LINE – SPECIAL LECTURES

17:30 – 18:00 NEW METHODS OF TREATMENT OF GBM: VIRAL THERAPIES, NANOPARTICLES AND SUPERSELECTIVE ENDOVASCULAR TREATMENT: P. P. Peruzzi



European Vascular and Endovascular Neurosurgery Master Study Program

HANDS-ON PART PROGRAM

Venue: Unicamillus – Via di Sant’Alessandro, 8 - Rome

May, 17th 2024

TIME	TITLE	TUTORS
08:30 - 09:30	Exercise – Endovascular simulator	S. Peschillo
09:30 - 13:00	Exercise – By-pass on vascular models and Takayama fake tubes Exercise – Clipping on models	A. Albanese C. Bortolotti
13:00- 14:00	LIGHT LUNCH	
14:00 - 18:00	Exercise – Endovascular simulator Exercise – By-pass on vascular models and Takayama fake tubes Exercise – Clipping on models	F. Diana F. Acerbi C. Bortolotti
18:00	Wrap-up	

November, 11th 2024

TIME	TITLE	TUTORS
08:30 - 09:30	Exercise – Endovascular simulator	F. Puccinelli
09:30 - 13:00	Exercise – By-pass on vascular models and Takayama fake tubes Exercise – Clipping on models	P. L. Ojeda G. Catapano
13:00- 14:00	LIGHT LUNCH	
14:00 - 18:00	Exercise – Endovascular simulator Exercise – By-pass on vascular models and Takayama fake tubes Exercise – Clipping on models	V. Kalousek E. Marchese F. Signorelli
18:00	Wrap-up	



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European **Vascular** and **Endovascular Neurosurgery**
Master Study Program

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