



THE EUROPEAN ASSOCIATION
OF NEUROSURGICAL SOCIETIES

EANS BOOT CAMP

for Vascular and Endovascular Neurosurgery

• Clipping, By-pass and Endovascular •



7 & 14/03/2023

Part 1

20-21/03/2023

Part 2 - Hands-on

Milan, Italy

Fondazione Mini Invasive Advanced Surgery Academy
Piazza Ospedale Maggiore, 3 20162

Course directors:
Simone Peschillo - Marco Cenzato

EANS VASCULAR SECTION**LOCAL COMMITTEE**

Andreas Raabe
Jeroen Boogaarts
Marco Cenzato
Andreas Gruber
Miikka Korja
Nikolay Velinov

Simone Peschillo
Jürgen Beck
Peter Vajkoczy
Veit Rohde
Daniel Wals

Simone Peschillo
Marco Cenzato

FACULTY MEMBERS

Michael T. Lawton	USA	Simone Peschillo	ITA
Adam Arthur	USA	Aristotelis Panagiotis	GRC
Andreas Raabe	SUI	Matteo Baccanelli	ARG
Bin Xu	CHN	Eytan Raz	USA
Marco Cenzato	ITA	Nikolay Velinov	BUL
Edoardo Boccardi	ITA	Francesco Acerbi	ITA
Shinichi Yoshimura	JAP	Torstein Meling	SUI
Carlo Bortolotti	ITA	Marco Fontanella	ITA
Jose Fernandez Alen	SPA	Andreas Gruber	AUT
Jeroen Boogaarts	NLD	Delia Cannizzaro	ITA
Jan Karl Burkhardt	USA	Wilco Peul	TNL
Peter Vajkoczy	GER	Guglielmo Pero	ITA
Boris Pabon	COL	Davide Boeris	ITA
Giuseppe Esposito	SUI	Andrea Lanterna	ITA

Special Guest:

Guido Guglielmi

Target Audience

the Course's target audience will be clinical fellows and early career surgeons with interest in cerebrovascular pathologies.

Audience Size

the Course will host 30 participants in- person and up to 100 participants virtually.

Learning Objectives**Overall Course Learning Objectives**

At the end of the Course, participants will be able to:

1. Make evidence-based recommendations for the management of cerebrovascular diseases including treatment selection of surgery, endovascular, radiosurgery or conservative management.
2. Combine clinical, anatomical, and radiological data to formulate a surgical or endovascular treatment plan for specific case-based scenarios in cerebrovascular surgery.
3. Apply technical nuances, endovascular and surgical techniques in a hands-on simulated wet lab to enhance workflow, and address both perceived and unperceived intra-operative challenges, having the chance to try the clipping and by-pass technique and to approach the endovascular treatment.

This Course would like to provide a comprehensive, hands-on learning experience in the treatment of neurovascular disorders.

Theoretical part

March, 07 2023		
TIME	TITLE	SPEAKER
10:00 – 10:05	Introduction	S. Peschillo, M. Cenzato
10:05 – 10:30	Guido Guglielmi Special Lecture	G. Guglielmi
10:30 – 11:00	Embryology and Anatomy of the Arteries and Veins of the Cord and Brain	E. Raz
11:00 – 11:30	Angiographic Anatomy: Arteries and Veins	G. Pero
11:30 – 12:00	EC Circulation and EC-IC Anastomoses: Tips for Vascular and Endovascular Neurosurgery	E. Raz
12:00 – 12:30	Basic Principles in Aneurysm Surgery (Tips and Tricks)	T. Meling
12:30 – 13:00	DISCUSSION	
13:00 – 14:00	PAUSE	
14:00 – 14:30	Vascular and Microsurgical Instrumentation and Equipment	F. Acerbi
14:30 – 15:00	Ergonomy in vascular neurosurgery	M. Baccanelli
15:00 – 15:30	Surgical Approaches: Pterional / Pretemporal / Oz Approaches	A. Raabe
15:30 – 16:00	Surgical Approaches: Minipterional, Lso, Eyebrow, Endoscopic Pterional	J.F. Alen
16:00 – 16:30	Surgical Approaches: Subtemporal, Pretemporal Approaches, Transsylvian 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 and Complication Avoidance: how to get out of it	M. T. Lawton
17:30 – 18:00	DISCUSSION	

March, 14 2023		
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
10:20 – 10:40	By-pass technique and Revascularization in Moya-Moya	A. Lanterna
09:40 – 10:00	High-Flow Cerebral Revascularization with Radial Artery and Saphenous Vein Grafts	G. Esposito
10:00 – 10:20	Revascularization Options for Complex Aneurysms	M. Cenzato
10:40 – 11:00	Cavernous Malformation Surgery	M. Fontanella
11:00 – 11:20	Neuro Hybrid Operating Room in vascular and endovascular neurosurgery	A. Gruber
11:20 – 11:40	General aspects of interventional procedures	J. Boogaarts
11:40 – 12:00	Endovascular materials	A. Panagiotis
12:00 – 13:00	DISCUSSION	
13:00 – 14:00	PAUSE	
14:00 – 14:20	Guide Catheter Access: femoral and radial	t.b.c.
14:20 – 14:40	Basic and Advanced Endovascular Techniques: Coils and Balloon-Assisted coiling, Stent-Assisted Coil Embolization	S. Yoshimura
14:40 – 15:00	Atypical and complex aneurysms	S. Peschillo
15:00 – 15:20	Flow-diverter, flow disruptors	A. Arthur
15:20 – 15:40	Clipping or Coiling Decision Making	J.K. Burkhardt
15:40 – 16:00	Posterior circulation aneurysms	B. Pabon
16:20 – 16:40	Neurosurgery Role in Neurovascular Diseases; an UEMS Dilemma	W. Peul
16:40 – 17:30	DISCUSSION	

Hands-on Part

Venue: Fondazione Mini Invasive Advanced Surgery Academy - Piazza Ospedale Maggiore, 3 Milano

March, 20		
TIME	TITLE	SPEAKER
08:00 – 08:30	Welcome and registrations	
08:30 – 09:30	Q&A on the theoretical part - Free discussion	Faculty
09:30 – 10:00	Basics of microvascular suturing	G. Esposito D. Cannizzaro
10:00 – 10:30	Demonstration - Suture and knot techniques	F. Acerbi
10:30 – 13:00	Live surgery – By-pass case and live discussion	M. Cenzato Faculty
13:00– 14:00	LIGHT LUNCH	
14:00 – 18:00	Exercise – Biomodex Endovascular simulator	Group A
	Exercise – By-pass on human placenta and vascular models	Group B
	Exercise – Clipping on models	Group C
	Meet the R&D expert – MEDTRONIC – PENUMBRA - ZEISS	
18:00	Wrap-up	
20:00	Friendly Dinner	

Group A 10 attendees - **Group B** 10 attendees - **Group C** 10 attendees – **15 faculty members/tutors**

*Coffee break will be served; but hands-on work may continue

March, 21		
TIME	TITLE	SPEAKER
08:30– 12:30	Exercise – Biomodex Endovascular simulator	Group C
	Exercise - By-pass on human placenta and vascular models	Group A
	Exercise - Clipping on models	Group B
12:00 – 12:30	Discussion	Faculty
12:30 – 13:00	LIGHT LUNCH	
13:00 – 17:00	Exercise – Biomodex Endovascular simulator	Group B
	Exercise - By-pass on human placenta and vascular models	Group C
	Exercise - Clipping on models	Group A
	Meet the R&D expert – MICROVENTION – SIAD - TAKAYAMA	
17:30	Discussion – Final remarks	

Group A 10 attendees - **Group B** 10 attendees - **Group C** 10 attendees – **15 faculty members/tutors**

*Coffee break will be served; but hands-on work may continue

CONTACT

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