



World Federation of Interventional and Therapeutic Neuroradiology

WFITN Neurovascular Anatomy in Stroke Course Naples, Italy

February 17-19, 2025

Royal Continental Hotel

Faculty:

Alessandra Biondi, Philippe Mercier, Paolo Machì, Salvatore Mangiafico

Giuseppe Mirone, Stefano Molinaro, Mario Muto, Howard Riina,

Georges Rodesch, Pedro Vilela, Michihiro Tanaka

MONDAY, FEBRUARY 17TH

MORNING SESSION

08:00 - 08:30 Registration participants

08:30 – 09:15 Keynote lecture: Brain collateral arteries: embryological, anatomical or genetical dispositions **G. Rodesch**

09.15-09.45 Aortic arch variations **A. Biondi**

09.45-10.15 Arch changes with age and access strategies **M. Tanaka**

10.15-10.45 **Coffee break**

10.45-11.30 Animal variations in brain supply – ICA vs ECA and network **P. Mercier**

11.30-12.00 Cervical carotid surgical anatomy **H. Riina**

13:00 – 14:00 **Lunch**



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AFTERNOON SESSION

4 Cases-based workshop
45 minutes each with groups rotating

GROUP A

14:00 – 14:45 Participants given sheet with embryological arch pattern to mark out how the shown examples occur ***M. Tanaka***

14:45 – 15:30 Cases illustrating difficult arch access in stroke cases and radial access ***S. Molinaro***

15:30 – 15:45 **Coffee break**

GROUP B

15:45 – 16:30 Cases of carotid stenosis illustrating selection for endarterectomy / stent ***H. Riina***

16:30 – 17:15 3D Anatomy of the vertebral artery and medullary perforators ***P. Mercier***

17.15 – 17.30 Discussion



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TUESDAY, FEBRUARY 18TH

MORNING SESSION

08:00 – 08:30 ACA MCA surgical anatomy and variant **H. Riina**

08:30 – 09:00 EC IC collateral flow **P. Vilela**

09:00 – 09:30 M1 Segment occlusion cases **S. Mangiafico**

09:30 – 10:00 Telencephalic perforator territories **M. Tanaka**

10:00 – 10:30 **Coffee Break**

10.30 - 11.00 3 D anatomy Circle Willis/ ACA/ MCA/ Striate **P. Mercier**

11.00 - 11.30 Vertebrobasilar variations **P. Machì**

11.30 - 12.00 Post Fossa venous anatomy **P. Vilela**

12.00 - 12.30 3 D anatomy Vertebrobasilar / central perforators **P. Mercier**

12:30 – 13:30 **Lunch**



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AFTERNOON SESSION

4 Cases-based workshop
45 minutes each with groups rotating

GROUP A

13:30- 14:15 Cases of chronic occlusion with collateral flow – determining sufficient flow **M. Tanaka**

14:15-15:00 Sovratentorial venous anatomy **P. Vilela**

15:00 – 15:30 **Coffee break**

GROUP B

15:30 – 16:15 Stroke traps – large pcom, hypoplastic P1, A Ch. Cortical territory **S. Mangiafico**

16:15 – 17:00 Participants mark out perforator territory strokes according to images shown **P. Machì**

17.00 – 17.30 Discussion



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WEDNESDAY, FEBRUARY 19TH

MORNING SESSION

08.00 – 08.30 ACA cortical territories **P. Vilela**

08.30 – 09.00 3D Anatomy M2, M3, M4 **P. Mercier**

09.00 – 09.30 MCA cortical territories **P. Machì**

09.30 – 10.30 3D Anatomy M2, M3, M4 **P. Mercier**

10:30 – 10:45 **Coffee Break**

10:45 – 11:15 PCA cortical territories **M. Tanaka**

11:15 – 11:45 3 D Anatomy P2, P3 **P. Mercier**

11:45 – 12:15 Diencephalic / brainstem perforator territories **M. Tanaka**

12:15 – 12:45 Discussion

12:45 – 13:30 **Lunch**



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AFTERNOON SESSION

4 Cases-based workshop
45 minutes each with groups rotating

GROUP A

13:30 – 14:15 ACA stroke cases ***P. Vilela***

14:15 - 15:00 M2/3 stroke examples ***M. Muto***

15:00 – 15.30 **Coffee break**

GROUP B

15:30 – 16:15 PCA stroke cases ***M. Tanaka***

16:15 – 17:00 Moyamoya cases ***G. Mirone***

17:00 – 17:15 Discussion

During lunch and at the end of afternoon session stroke treatment simulators and stroke

Software system of perfusion will be available for all participants.