



World Federation of Interventional and Therapeutic Neuroradiology

WFITN Course on Neurovascular Anatomy COURSE Beirut , Lebanon, July 22rd-25th, 2018

Faculty:

Sirintara Pongpech, Thailand
In Sup Choi, South Korea
Michel Mawad, Lebanon

Karel terBrugge, Canada
Kittipong Srivatanakul, Japan
Philippe Mercier, France

ANATOMY OF THE NEUROVASCULAR SYSTEM

1ST DAY Sunday, July, 22rd, 2018

08:00-08:15 Welcome and introduction (*S. Pongpech, M. Mawad*)

08:15-08.45 Vasculogenesis, Angiogenesis (*K.Terbrugge*)

08:45-09.15 The arteries and veins of the brain evolution in different species, general remarks *P Mercier*

09:15-09:45 Development of the aortic arch and its brachiocephalic vessels; *IS Choi*

09.45-10.15 Segmentation and Embryonic vessels (*IS Choi*)

10.15-10.45 Morning break

10.45-11.15 Opht. Arteries and orbital supply, angioanatomy (*K.Srivatanakul*)

11.15-11.45 Surgical anatomy of the orbit. *P.Mercier*

11:45-13:00 Lunch

13.00-13.30 Cavernous sinus arterial anatomy and variations (*IS Choi*)

13.30-14.00 Cavernous sinus surgical anatomy (*P.Mercier*)

14.00-14.30 VB junction, hypoglossal, pro-atlantal (*S.Pongpech*)

14.30-15.00 PICA origins; (*S.Pongpech*)

15:00-15:30 Afternoon break

15.30-16.00 Surgical anatomy cranio-cervical- area (*P Mercier*)

16.00-16.30 Limbic circle and PCA (*K TerBrugge*)

16.30-17.00 Anterior choroidal artery (*K.Srivatanakul*)

17.00-17.30 Surgical anatomy anterior choroidal artery; *P. Mercier*



World Federation of Interventional and Therapeutic Neuroradiology

2ND DAY Monday July 23th, 2018

08.00-08.30 Angio-anatomy circle of Willis (*K Terbrugge*)
08.30-09.00 Surgical anatomy circle of Willis (*P.Mercier*)
09.00-09.30 Variation ACA and MCA territories (*K.Srivatanakul*)
09.30-10.00 Surgical anatomy A1 and M1 segments (*P Mercier*)

10.00-10.30 Morning break

10.30-11.00 Noninvasive imaging of arterial variations (*K terBrugge*)
11.00-11.30 Upper basilar variations (*K terbrugge*)
11.30-12.00 Upper basilar surgical anatomy (*P Mercier*)

12.00-13.00 Lunch

13.00-13.30 External carotid artery, embryology (*IS Choi*)
13.30-14.00 Skull base and cranial nerve arterial supply (*K.Srivatanakul*)
14.00-14.30 Dangerous Extra to Intracranial anastomoses : (*M Mawad*)

14.30-15.00 Afternoon break

15.00-15.30 Cerebral venous system and dural sinuses (*K.Srivatanakul*)
15.30-16.00 Intracranial veins surgical anatomy (*P Mercier*)
16.00-16.30 DVA and sinus pericranii (*K Terbrugge*)
16.30-17.00 Venous vascular injury (*K Terbrugge*)

3RD DAY , Tuesday July 24th, 2018

08.00-08.30 Natural history and clinical presentation of adult DAVSs (*K Terbrugge*)
08.30-09.00 Transarterial treatment of DAVSs; (*M Mawad*)
09.00-09.30 Transvenous treatment of DAVSs, indications, outcome (*K.Srivatanakul*)

09.30-10.00 Morning break

10.00-10.30 Surgical and Radiosurgical treatment DAVSs (*K Srivatanakul*)
10.30-11.00 CCF shunts (*S Pongpech*)
11.00-11.30 Head and neck vascular injury (*S.Pongpech*)



World Federation of Interventional and Therapeutic Neuroradiology

11.30-12.30 Lunch

12.30-13.00 Vascular lesions and syndromes in children (*S Pongpech*)

13.00-13.30 HHT of the CNS in children (*K Terbrugge*)

13.30-14.00 Dural AVS in children (*K Terbrugge*)

14.00- 14.30 Afternoon break

14.30-15.00 Vein of Galen malformations (*K Terbrugge*)

15.00-15.30 Aneurysms in children (*K Terbrugge*)

4th DAY, Wednesday July 25th, 2018

08.00-08.30 Angio-vascular anatomy spine and spinal cord (*S.Pongpech*)

08.30-09.00 Surgical vascular anatomy spinal cord; (*P Mercier*)

09.00-09.30 Classification and imaging of spinal vascular lesions (*S Pongpech*)

09.30-10.00 Morning break

10.00-10.30 SCAVM presentation, natural history and management (*S Pongpech*)

10.30-11.00 Paraspinal AVSs, imaging and management (*K Terbrugge*)

11.00-11.30 Spinal dural AVSs, endovascular and surgical management (*K Srivatanakul*)

11.30-12.00 Intra and axtra dural vascular tumors of the spine, endovascular
management (*IS Choi*)

12.00-12.30 Self Evaluation Test

12.30-13.30 Lunch

Adjourn