



**World Federation of Interventional and  
Therapeutic Neuroradiology**

**WFITN Neurovascular Anatomy in Stroke Course  
Singapore, July 12-14, 2023**

**Faculty:**

Sirintara (Pongpech) Singhara Na Ayudhaya, Thailand  
Philippe Mercier, France  
In Sup Choi, South Korea  
Allan Taylor, South Africa – course director  
Michihiro Tanaka, Japan  
Wickly Lee, Singapore

**PROGRAM**

***Wednesday, July 12<sup>th</sup>, 2023***

**Morning**

9:00 - 9:40	Aortic arch variations	I Choi
9:40 - 10:20	Arch changes with age and access strategies	M Tanaka
	10:20 - 11:00	Coffee Break
11:00 - 11:30	Cervical carotid surgical anatomy	A Taylor
11:30 - 12:00	Segmental cervical arteries	I Choi
	12:00 – 13:30	Lunch Break

**Afternoon**

4 Case based workshop cases – 40 minutes each with groups rotating

**13:30 -15:00 – Session 1**

1. Participants given sheet with embryological arch pattern to mark out how the shown examples occur
2. Cases illustrating difficult arch access in stroke cases

15:00 – 15:30          Coffee break

**15:30 – 17:00 – Session 2**

3. Cases of carotid stenosis illustrating selection for endarterectomy / stent
4. Vertebral artery cases – hypoglossal, duplication, deep cervical collateral flow



## World Federation of Interventional and Therapeutic Neuroradiology

**Thursday, July 13<sup>th</sup>, 2023**

### **Morning**

8:00 – 8:30	Circle of Willis collateral flow	W. Lee
8:30 – 9:00	EC IC collateral flow	I Choi
9:00 – 9:30	ACA MCA variations	A Taylor
9:30 – 10:00	Telencephalic perforator territories	M Tanaka

10:00 – 10:30 Coffee Break

10:30 – 11:00	3 D anatomy	P Mercier
11:00 – 11:30	Vertebrobasilar variations	S Pongpech
11:30 – 12:00	Diencephalic / brainstem perforator territories	I Choi
12:00 – 12:30	3 D anatomy	P Mercier

12:30 – 13:30 Lunch Break

### **Afternoon**

4 Case based workshop cases – 40 minutes each with groups rotating

13:30 -15:00 – Session 1

1. Cases of chronic occlusion with collateral flow – determining sufficient flow
2. Accessory MCA stroke cases, underlying aneurysm

15:00 – 15:30 Coffee break

15:30 – 17:00 – Session 2

3. Stroke traps – large pcom, hypoplastic P1, A Ch. Cortical territory
4. Participants mark out perforator territory strokes according to images shown



## World Federation of Interventional and Therapeutic Neuroradiology

**Friday, July 14<sup>th</sup>, 2023**

### **Morning**

8:00 – 8:30	ACA cortical territories	A Taylor
8:30 – 9:00	3 D Anatomy	P Mercier
9:00 – 9:30	MCA cortical territories	I Choi
9:30 – 10:00	3 D Anatomy	P Mercier
10:00 – 10:30	Coffee Break	
10:30 – 11:00	PCA cortical territories	M Tanaka
11:00 – 11:30	3 D Anatomy	P Mercier
11:30 – 12:00	Pial level cortical collaterals	S Pongpech

12:00 – 13:30

Lunch Break

### **Afternoon**

4 Case based workshop cases – 40 minutes each with groups rotating

13:30 -15:00 – Session 1

1. ACA stroke cases
2. M2/3 stroke examples

15:00 – 15:30

Coffee break

3. 15:30 – 17:00 – Session 2
4. PCA stroke cases
5. Moyamoya cases