

**EANS/DUBAI Training Course**  
**Vascular**  
**13<sup>th</sup> – 16<sup>th</sup> February 2016 – DUBAI, UAE**

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**Saturday - 13<sup>th</sup> February - Subarachnoid hemorrhage/ Aneurysms**

08:30 – 08:40 Welcome

08:40 – 09:05 Epidemiology and pathophysiology of aneurysmal SAH

09:05 – 09:30 Patient assessment and treatment at the ICU

09:30 – 09:55 Sequelae of SAH with special emphasis on vasospasm/DID

09:55 – 10:20 Vascular anatomy: from dissection to imaging

**Buki**  
**Smrcka**  
**Buki**  
**Froehlich**

**10:20 – 10:50 Coffee break**

10:50 – 11:15 Decision making in ruptured aneurysms

11:15 – 11:40 Decision making in unruptured aneurysms

11:40 – 12:05 Basic principles of aneurysm surgery

12:05 – 12:25 Complex Aneurysms/Bypass surgery

**Etminan**  
**Froehlich**  
**Sure**  
**Van der Zwan**

**12:25 – 13:30 Lunch**

13:30 – 13:50 Troubleshooting in perioperative rupture

13:50 – 14:10 Surgery for partially coiled aneurysms

**Menovsky**  
**Gruber**

**How I Do It**

14:10 – 14:20 ACOM aneurysm

14:20 – 14:30 PCOM aneurysm

14:30 – 14:40 ICA aneurysm

**Etminan**  
**Van der Zwan**  
**Sure**

**14:40 – 15:10 Coffee break**

15:10 – 17:20 Discussion Groups Rotation 1-2

**How I Do It**

17:20 – 17:30 MCA aneurysm

17:30 – 17:40 A2/3 aneurysms

17:40 – 17:50 Giant aneurysms – Anterior circulation

17:50 – 18:00 Adjourn for the day

**d'Avella**  
**Lehecka**  
**Benes**

## **Sunday - 14<sup>th</sup> February**

### **How I Do It**

08:30 – 08:40 Upper VB aneurysm

**Lehecka**

08:40 – 08:50 Lower VB aneurysm (approaches)

**Benes**

08:50 – 09:00 Giant aneurysms – Posterior circulation

**Lehecka**

09:00 – 09:30 Endovascular approach to vascular disease

**Gruber**

09:30 – 10:30 Round Table: Decision making for aneurysm treatment

**Boogaarts -  
Gruber-Benes**

### **10:30 – 11:00 Coffee break**

11:00 – 13:10 Discussion Groups Rotation 3-4

### **13:10 – 14:30 Lunch**

14:30 – 14:50 AVM Classification, haemodynamics and natural history

**Andreou**

14:50 – 15:10 Surgical treatment of AVMs

**Lehecka**

15:10 – 15:30 Radiosurgery for AVMs

**Froehlich**

15:30 – 15:50 Endovascular management of AVMs

**Boogaarts**

15:50 – 16:40 Round Table: Decision making for AVM treatment

**Benes**

### **16:40 – 17:10 Coffee break**

### **How I Do It**

17:10 – 17:20 Surgery for an AVM

**Andreou**

17:20 – 17:30 Surgical techniques in spinal AVM

**Regli**

17:30 – 17:40 Endovascular treatment in AVM

**Boogaarts**

17:40 – 17:50 Endovascular treatment in spinal AVM/dural fistulas

**Gruber**

17:50 – 18:00 Adjourn for the day

## **Monday - 15<sup>th</sup> February**

08:30 – 08:50 Spinal AVMs and dural fistulas

08:50 – 09:15 Hemangioblastomas and their contemporary treatment

09:15 – 09:35 Cavernomas: epidemiology and pathobiology

09:35 – 09:55 Cavernomas: treatment options

**Meyer**  
**Menovsky**  
**Smrcka**  
**d'Avella**

### **09:55 – 10:25 Coffee break**

10:25 – 12:35 Discussion Groups Rotation 5-6

### **12:35 - 13:45 Lunch**

13:45 – 14:10 Cerebrovascular diseases in the pediatric population

14:10 – 14:40 Treatment options for cerebrovascular diseases in the pediatric population

**d'Avella**  
**Blauwblomme**

*14:10- 17:50 Spots for company-sponsored lectures probably covering:*  
*Endovascular flow diversion/modification*  
*Coagulation/hemostasis techniques (surgical)*  
 *radiosurgery of vascular diseases*  
*Cerebral revascularization techniques*

17:50 – 18:00 Adjourn for the day

## **Tuesday 16<sup>th</sup> February**

08:15 – 08:30	The pathophysiology and treatment of large artery disease	<b>Netuka</b>
08:30 – 08:50	Place, role and techniques for cerebral bypass surgery in chronic ischemia	<b>Netuka</b>
08:50 – 09:10	Extra and intracranial dissections	<b>Andreou</b>
09:10 – 09:40	Ischemic stroke: current treatment protocols and indications for endovascular treatment	<b>Boogaarts</b>
09:40 – 10:00	Ischemic stroke: indications for neurosurgical interventions	<b>Smrcka</b>
10:00 – 10:20	Intracerebral/cerebellar hemorrhage (ICH)	<b>Buki</b>

### **10:20 – 10:50 Coffee break**

10:50 – 13:00 Discussion Groups see pages Rotation 1-2

### **13:00 – 14:10 Lunch**

#### **How I Do It**

14:10 – 14:20	Carotid endarterectomy	<b>Netuka</b>
14:20 – 14:30	Making an extra-intracranial by-pass	<b>Regli</b>
14:30 – 14:40	Surgery for brainstem cavernomas	<b>Benes</b>
14:40 – 14:50	Surgery for intracranial cavernomas	<b>Sure</b>
14:50 – 15:00	Surgical approach to ischemic disease	<b>Regli</b>
15:00 – 15:10	Surgery in 'malignant' cerebral infarction	<b>Smrcka</b>

### **15:10-16:30 Course evaluation, Adjourn**

## Discussion Groups

1. Clip or coil?
2. Angiography interpretation/Endovascular techniques
3. Complications of aneurysm management
4. Decision making in hemorrhagic stroke
5. Decision making in ischemic stroke
6. AVMs - choice of treatment
7. Occlusive cerebrovascular disease
8. Paediatric vascular disease

**Benes/Gruber**  
**Boogaarts/Andreou**  
**Sure/Lehecka**  
**Buki/Smrcka**  
**Froehlich/ Van der Zwan**  
**Etminan/Andreou**  
**Netuka/Regli**  
**Blauwblomme/d'Avella**

### Discussion groups (for study groups A-D)

Rounds	DG1	DG2	DG3	DG4	DG5	DG6	DG7	DG8
1 <sup>st</sup>	A	B	C	D				
2 <sup>nd</sup>	B	A	D	C				
3 <sup>rd</sup>	C	D	A	B				
4 <sup>th</sup>	D	C	B	A				
5 <sup>th</sup>					A	B	C	D
6 <sup>th</sup>					B	A	D	C
7 <sup>th</sup>					C	D	A	B
8 <sup>th</sup>					D	C	B	A

	Group A	Group B	Group C	Group D
<b>Saturday 13<sup>th</sup></b>				
1600 – 1700	1	2	3	4
1710 – 1810	2	1	4	3
<b>Sunday 14<sup>th</sup></b>				
1635 - 1735	3	4	1	2
1745 - 1845	4	3	2	1
<b>Monday 15<sup>th</sup></b>				
1555 - 1655	5	6	7	8
1705 - 1805	6	5	8	7
<b>Tuesday 16<sup>th</sup></b>				
1300 – 1400	7	8	5	6
1410 - 1510	8	7	6	5

