European Course of
Minimally Invasive Neurological Therapy

Endovascular Treatment of Arteriovenous Malformations and Fistulas
December 14th – 18th, 2020
St Anne's College, Oxford

Course Directors: Dr S Renowden, Prof P White
Course Administrator: Miss Tarryn Ching

Monday, 14th December 2020 - MOLT

12.00 – 13.00	**Registration / Lunch**
13.00 – 13.15	Introduction to program and outline of course structure
13.15 – 13.45	Natural history of brain AVMs
13.45 – 14.15	Classification of brain AVMs
14.15 – 14.45	Imaging for pial AVMs and AVFs: how I assess angioarchiecture
14.45 – 15.15	Role of fMRI in embolisation treatment planning
15.15 – 15.30	**Coffee / Check in**
15.30 – 16.00	Functional vascular neuroanatomy of the brain stem
16.00 – 16.30	Management of unruptured AVMs – ARUBA fall-out
16.30 – 17.00	Sedatives and analgesics in Interventional Neuroradiology
17.00 – 18.45	Formative Quiz 1
19.00	**Dinner St Anne's College**

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Tuesday, 15th December 2020 - MOLT

08.30 – 09.00	Liquid embolic agents
09.00 – 09.45	Techniques for transarterial embolization of brain AVMs
09.45 – 10.15	Cavernous Malformations, telangiectasias and DVAs – natural history and management
10.15 – 10.30	**Tea / Coffee**
10.30 – 11.45	Tutorial 1
11.45 – 12.30	Techniques for transvenous embolisation of brains AVMs
12.30 – 13.30	**Lunch**
13.30 – 14.45	Tutorial 2
14.45 – 16.00	Tutorial 3
16.00 – 16.15	**Tea / Coffee**
16.15 – 16.45	Vessel closure devices: which should we use?
16.45 – 18.00	Tutorial 4
18.00 – 18.30	Cerebral proliferative angiopathy: what is it?
19.00	**Dinner at St Anne's College**

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Wednesday, 16th December 2020 - MOLT

08.30 – 09.15	Stereotactic Radiosurgery for AVMs: with or without embolization?
09.15 – 10.30	Tutorial 5
10.30 – 10.45	**Tea / Coffee**
10.45 – 11.15	Management and prevention of complications during AVM embolization
11.15 – 12.30	Tutorial 6
12.30 – 13.30	**Lunch**
13.30 – 14.45	Tutorial 7
14.45 – 15.15	Spinal vascular anatomy
15.15 – 15.30	**Tea / Coffee**
15.30 – 16.45	Tutorial 8
16.45 – 18.15	Formative Quiz 2
19.00	**Dinner at Balliol College**

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Thursday, 17th December 2020 - MOLT

08.30 – 09.15	Genetics of AVMs
09.15 – 10.30	Tutorial 9
10.30 – 10.45	**Tea / Coffee**
10.45 – 12.00	Tutorial 10
12.00 – 12.30	What is the role of middle meningeal artery embolisation in the management of chronic subdural haematomas?
12.30 – 13.30	**Lunch**
13.30 – 14.15	Is there a role for treatment modalities for brain AVMs other than neurosurgery?
14.15 – 14.45	Normal pressure breakthrough haemorrhage : what is it? How can it be prevented?
14.45 – 15.30	High flow vascular malformations in children: pathophysiology and management
15.30 – 15.45	**Tea / Coffee**
15.45 – 16.15	Embolisation of spinal vascular malformations
16.15 – 16.45	Functional vascular anatomy of the thalamus and internal capsule
19.00	**Dinner at St Anne's College**

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Friday, 18th December 2020 - MOLT

Check out before start of morning preferable

08.30 – 09.00 Anatomy: the skull base

09.00 – 09.45 Spinal intervention: the vertebral column

09.45 – 10.15 Coffee / Check out / walk to Computer Dept.

10.15 – 11.45 Final Quiz, Oxford University Computer Dept

11.45 – 13.30 Quiz answers

13.30 Course ends

Tutorials

Group 1

- Management and prevention of complication during EVT of brain AVMs
- Embolization of brain AVMs: how I do it
- Assessing the risks of embolization of AVMs for the individual patient: Should I embolise this brain AVM?
- Different strategies for embolising BAVMs
- Angiographic analysis of AVM angioarchitecture and relevance to embolization strategy

Group 2

- Facial vascular malformations: classification and management
- Natural history and management of spinal malformations
- Management of intracranial vascular malformations in neonates and young children
- Percutaneous spinal techniques
- The pragmatists approach to AVM management

An application has been made to the UEMS EACCME® for CME accreditation of this event.

Please note: This programme is provisional, timings and titles may change.