



# ECMINT

European Course of  
Minimally Invasive Neurological Therapy

Preliminary Programme

## **ECMINT 3.1: Neurovascular disease of the skull base** **Monday 10<sup>th</sup> December to Friday 14<sup>th</sup> December 2018** **St Anne's College, Oxford**

Course Director and Organisers: Dr S Renowden and Prof P White  
Course Administrator/Co-ordinator: Ms Tarryn Ching

### **Monday, December 10, 2018**

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|----------------------|--|
| <b>12.00</b>         | <b>Registration opens</b>                                |
| <b>12.15 – 13.00</b> | <b>Lunch</b>   |
| 13.00 – 13.20        | Introduction to program and outline of course structure  |
| 13.20 – 13.40        | Obtaining the patient's informed consent                 |
| 13.40 – 14.15        | Embolic agents relevant to Interventional Neuroradiology |
| 14.15 – 14.45        | Role and relevance of a skull base MDT                   |
| <b>14.45 – 15.15</b> | <b>Check in / Tea / Coffee</b>                           |
| 15.15 – 16.30        | Tutorial 1 (see list below)                              |
| 16.30 – 17.45        | Tutorial 2 (see list below)                              |
| 17.45 – 18.15        | Antiplatelet drugs used in EVT                           |
| <b>19.00</b>         | <b>Dinner St Anne's College</b>                          |



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## Tuesday, December 11, 2018

- 08.30 – 09.15 Classification, natural history and pathophysiology of cerebral dural AVFs
- 09.15 – 09.55 Transarterial embolization of cerebral DAVF
- 09.55 – 10.30 Transvenous embolization of cerebral DAVFs
- 10.30 – 10.45 Tea / Coffee**
- 10.45 – 12.00 Tutorial 3 (see list below)
- 12.00 – 13.15 Tutorial 4 (see list below)
- 13.15 – 14.00 Lunch**
- 14.00 – 15.15 Tutorial 5 (see list below)
- 15.15 – 15.30 Tea / Coffee**
- 15.30 – 16.00 Trans-arterial tumour embolization techniques
- 16.00 – 16.30 Treatment of cerebral venous sinus thrombosis
- 16.30 – 18.00 Formative Quiz 1
- 19.00 Dinner St Anne's College**



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## Wednesday, December 12, 2018

- 08.30 – 09.15 Pathophysiology and imaging of CNS tumours suitable for embolization
- 09.15 – 10.00 Pathophysiology, imaging of cerebral venous thrombosis
- 10.00 – 10.30 Brain arterial blood supply 1
- 10.30 – 10.45 Tea / Coffee**
- 10.45 – 11.15 Intrinsic and extrinsic clotting cascades
- 11.15 – 12.00 Embryology of the cerebral circulation 1
- 12.00 – 12.45 Emergency embolisation for bleeding in the head and neck
- 12.45 – 13.45 Lunch**
- 13.45 – 15.00 Tutorial 6 (see list below)
- 15.00 – 15.45 Craniofacial tumour embolization
- 15.45 – 16.00 Tea / Coffee**
- 16.00 – 16.45 Management of complications in tumour embolisation
- 16.45 – 18.00 Tutorial 7
- 19.00 Dinner Balliol College**



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## Thursday December 13, 2018

- 08.30 – 09.00 Brain arterial blood supply 2
- 09.00 – 09.45 Dangerous EC-IC/VA anastomoses
- 09.45 – 10.30 Arterial puncture methodology and closure devices
- 10.30 – 10.45 Tea / Coffee**
- 10.45 – 11.15 Spinal column tumour embolization
- 11.15 – 12.30 Tutorial 8 (see list below)
- 12.30 – 13.15 Lunch**
- 13.15 – 14.30 Tutorial 9 (see list below)
- 14.30 - 15.15 Radiotherapy for skull base tumours and DAVF
- 15.15 – 15.30 Tea / Coffee**
- 15.30 – 16.45 Tutorial 10 (see list below)
- 16.45 - 17.15 Embryology 2
- 17.15 - 18.45 Formative quiz 2
- 19.00 Dinner St Anne's College**



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## Friday, December 14, 2018

### Check out

- 08.30 – 09.00 Definition of coma and LOC
- 09.00 – 09.30 Control of cerebral blood flow and perfusion
- 09.45 – 10.00 **Tea / Coffee / Check-out**
- 10.15 – 11.30 End of course quiz
- 11.30 – 13.15 Quiz answers
- 13.15 Course ends**

### Tutorials

#### Group 1 [tutorials 1-5]

1. Techniques for tumour embolisation including percutaneous puncture
2. Treatment of cavernous sinus DAVFs and CCFs
3. Technique and practical tips on venous stenting: when and how
4. Pulsatile tinnitus
5. Investigation and management of epistaxis

#### Group 2 [tutorials 6-10]

6. Trial balloon occlusion – methods for evaluating parent vessel sacrifice
7. Applied spinal angiographic anatomy/endovascular treatment of spinal dural fistulas
8. INR treatment of spinal column tumours
9. Treatments for Cranial DAVFs (excluding Cavernous sinus)
10. Arterial anatomy relevant to skull base disease

**This course will provide 34 credits in accordance with the CPD Scheme of the Royal College of Radiologists.**

**The European Course in Minimally Invasive Neurological Therapy (ECMINT) 3.1, Oxford, United Kingdom, 10/12/2018-14/12/2018 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 28 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.**