



ECMINT

European Course of
Minimally Invasive Neurological Therapy



EBNI

ECMINT 5.2
Cerebral Aneurysms
Monday 11th to Friday 15th December 2023
St Anne's College, Oxford

Course Directors: Dr. Adam Rennie, Prof. Phil White, Prof. Peter Jezzard
Course Administrators: Ms. Tarryn Ching, Ms. Anna Dzido

Monday, 11th December 2023 (Mary Oqilvy Lecture Theatre)

12.00	Registration / Lunch
13.00 – 13.20	Introduction to programme and outline of course structure
13.20 – 13.40	Histopathology of Aneurysms
13.40 – 14.15	Causes of Intracranial Aneurysms
14.15 – 14.45	Arterial wall physiology, dissection and repair
14.45 – 15.15	Check in / Tea / Coffee
15.15 – 16.30	Tutorial 1 (see list below)
16.30 – 17.45	Tutorial 2 (see list below)
17.45 – 18.15	Subarachnoid haemorrhage, causes and investigation
19.00	Dinner at St. Anne's College

Please note this programme is provisional and may change.



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Tuesday, 12th December 2023 (Mary Ogilvy Lecture Theatre)

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| 08.30 – 09.15 | Prevalence and natural history of intracranial aneurysms |
| 09.15 – 09.55 | Techniques for endovascular aneurysm packing
(incl. balloon, stent, double catheter) |
| 09.55 – 10.30 | Complications related to endovascular aneurysm coiling:
avoidance and management |
| 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 – 16.15 | Anatomy of the intracranial venous system 1 |
| 16.15 – 16.45 | Embryology of the venous system |
| 16.45 – 18.15 | Formative Quiz 1 |
| 19.00 | Dinner at St. Anne's College |

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Wednesday, 13th December 2023 (Mary Ogilvy Lecture Theatre)

- 08.30 – 09.15 Blood brain barrier function and dysfunction
- 09.15 – 09.45 Stents and stent design (FDs, other braided stents, Solitaire, Atlas, Acclino)
- 09.45 – 10.15 Woven Endobridge device and other endosaccular devices
- 10.15 – 10.30 Tea / Coffee**
- 10.30 – 11.00 Flow diversion and neck bridging devices
- 11.00 – 11.45 Endovascular management of giant aneurysms
- 11.45 – 12.30 Literature review of trials/registries of endovascular treatment
- 12.30 – 13.30 Lunch**
- 13.30 – 14.45 Tutorial 6 (see list below)
- 14.45 – 15.30 How to assess effectiveness of aneurysm treatments
- 15.30 – 15.45 Tea / Coffee**
- 15.45 – 16.30 How to advise patients with unruptured aneurysms
- 16.30 – 17.45 Tutorial 7
- 19.00 Course dinner at Balliol College**

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Thursday, 14th December 2023 (Mary Ogilvy Lecture Theatre)

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| 08.30 – 09.00 | Endothelium mediated mechanisms of vasoconstriction and vasodilatation |
| 09.00 – 09.45 | Pharmacological agents used to prevent/treat delayed cerebral ischaemia: evidence or not |
| 09.45 – 10.30 | Pathophysiology and ICU management of patients with subarachnoid haemorrhage, delayed cerebral ischaemia and when to consider EVT |
| 10.30 – 10.45 | Tea / Coffee |
| 10.45 – 11.15 | Imaging in vasospasm for selection of patients for EVT |
| 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 | EV management of patients with delayed cerebral ischaemia |
| 15.15 – 15.30 | Tea / Coffee |
| 15.30 – 16.45 | Tutorial 10 (see list below) |
| 16.45 - 17.15 | Screening for Intracranial Aneurysms |
| 17.15 - 18.45 | Formative quiz 2 |
| 19.00 | Dinner St Anne's College |

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Friday, 15th December 2023 (Mary Ogilvy Lecture Theatre)

Check out

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| 08.30 – 09.00 | Radiation exposure to patient and therapist - damage limitation! |
| 09.00 – 09.30 | Vein of Galen malformation, embryology, pathophysiology, management approach |
| 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

- Management of atypical aneurysms (dissecting, infectious, traumatic, blister)
- My approach to the treatment of large, giant and wide neck aneurysms
- Use of intrasaccular devices other than the WEB
- How to treat complications related to EV treatment of aneurysms
- My approach to delayed ischaemic deficit
- Use of the Web, basic and advanced (remodeling, etc.)
- How to avoid complications in EV treatment of aneurysms
- Use of flow diversion and neck bridging devices
- My approach to the treatment of wide neck aneurysms
- Detailed analysis of venographic anatomy

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