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| **Wednesday 24th June** | **Lecture title** | **Speaker** |
| 12-1pm | Course Registration |  |
| 1-1.15 | Introduction to program and outline of course structure | Dr S Renowden |
| 1.15-1.45 | How to minimise exposure of to radiation patient and therapist in INR | Dr P White |
| 1.45-2.30 | Neurosurgical management of intracranial aneurysms | Dr R Nelson |
| 2.30-3pm | History of endovascular treatment of aneurysms | Prof. J Byrne |
| 3- 3.30 | Coffee, check in to rooms |  |
| 3.30-4pm | Blood brain barrier function / causes of cerebral oedema | Dr S Renowden |
| 4-4.30pm | Histopathology of aneurysms | Dr M Hofner |
| 4.30- 5.00pm | Arterial dissection and wall repair | Dr P Watton |
| 5.00 – 5.20pm |  |  |
| 5.20 – 6.30 | MDT Case reviews | Dr P White & Mr R Nelson (Faculty) |
| 6.30-7pm | Revision of course so far (optional) | Dr Renowden & Professor Byrne |
| 7.30pm | Dinner – St Anne’s |  |

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| **Thursday 25th June** | **Lecture title** | **Speaker** |
| 8.30-9.00am | Anatomy: intracranial venous system | Dr R Lenthal |
| 9.00-9.45am | Diagnosis and aetiologies of spontaneous intracranial and SAH | Dr J Fiehler |
| 9.45-10.15 | Pathophysiology of vasospasm and delayed ischemic deficits | Dr M Rowland |
| 10.15-10.30 | Coffee |  |
| 10.30-11.30 | Tutorial 1 |  |
| 11.30-12.30 | Tutorial 2 |  |
| 12.30-1.15 | Lunch |  |
| 1.15-1.45 | Endovascular access devices | Dr J Fiehler |
| 1.45-2.15 | Techniques for endovascular packing with coils | Dr S Halpin |
| 2.15-3.15 | Tutorial 3 |  |
| 3.15-3.30 | Coffee |  |
| 3.30-4pm | Causes of intracranial aneurysms | Dr T Andersson |
| 4- 4.30pm | Prevalence and natural history of intracranial aneurysms | Professor I Szkora |
| 4,30-5pm | Imaging in vasospasm/DID and selection of patients for interventional treatment. | Dr S Halpin |
| 5-6pm | Quiz 1 |  |
| 7pm | Dinner – St Anne’s college |  |

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| Friday 26th June | **Lecture title** | **Speaker** |
| 8.30-9am | Embryology 2 – background to VOGWM + large artery anomalies | Pro f J Byrne |
| 9.00-9.30am | Management of Infections and traumatic aneurysms | Dr l Pierot |
| 9.30 - 10.00 | Blister and dissecting aneurysms and their management | Professor J Byrne |
| 10.00-10.15 | Coffee |  |
| 10.15-10.45 | Coils, stents, flow diversion for aneurysm treatment | Prof I Szkora |
| 10.45 -11.30 | Management and prevention of complications during EVT for aneurysms | Dr P Brouwer |
| 11.30-12.30 | Tutorial 4 |  |
| 12.30-1.15 | Lunch |  |
| 1.15-2.15 | Tutorial 5 |  |
| 2.15-3.15 | Tutorial 6 |  |
| 2.15-3.15 | Tutorial 7 |  |
| 3.15-3.3.30 | Coffee |  |
| 3.30-4.15 | Literature review of trials of endovascular aneurysm treatments | Dr C Taschner |
| 4.15- 5.30pm | Quiz 2 |  |
| 6.30pm | Riverside evening with Punting at Wolfson college |  |
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| **Saturday 27th June** | **Lecture title** | **Speaker** |
| 8.30-9am | Anatomy: spinal blood supply | Dr A Rennie |
| 9.00-9.30am | Endovascular management of patients with large and giant aneurysms | Prof J Byrne |
| 9.30 - 10.00 | Screening for aneurysms | Dr S Renowden |
| 10.00-10.30 | Aneurysms in the neck and spine | Dr A Rennie |
| 10.30 -10.45 | Coffee |  |
| 10.45-11.45 | Tutorial 8 |  |
| 11.45-12.15 | Note keeping and documentation | Dr R Corkill |
| 12.15-1.pm | Lunch |  |
| 1pm-2pm | End of course quiz |  |
| 2.00-2.30 | Anatomy: cranial nerves and their blood supply | Prof J Byrne |
| 2.30-3pm | Quiz answers and Outline of ECMINT 1.3 |  |
| 3pm | Course Ends |  |

Tutorial Topics and speakers

Dr P White: How I manage complications of endovascular treatment of aneurysms

Dr P Brouwer: How I treat wide necked aneurysms

Dr R Lenthall: Treatment of aneurysms by parent artery occlusion

Dr L Pierot: Advantages of flow diverters and neck bridging devices

Dr J Fielher: Disadvantages of flow divert and neck bridge devices

Dr C Taschner: How I manage atypical aneurysms

Dr T Andersson: How I manage complications of endovascular treatment of aneurysms

Prof: I Szkora: How I treat wide necked aneurysms