



ECMINT

European Course of
Minimally Invasive Neurological Therapy



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ECMINT 4.2: Cerebral Aneurysms **Monday 22 November 2021 to Thursday 16 December 2021** **Virtual course**

Course Directors and Organisers: Prof. P Jezzard, Dr. S Renowden and Prof. P White
Course Administrator/Co-ordinator: Ms. Tarryn Ching

Lectures available on Canvas 22 November – 16 December 2021

Outline of course and introduction	Dr. S Renowden Pr. P White
Histopathology of Aneurysms	Dr. M Hofer
Causes of Intracranial Aneurysms	Pr. T Andersson
Arterial wall physiology, dissection and repair	Dr. P Watton
Subarachnoid haemorrhage, causes and investigation	Dr. J Macdonald
Prevalence and Natural History of Intracranial Aneurysms	Dr. M Gawlitza
Techniques for Endovascular Aneurysm packing with coils (inc balloon, stent, double catheter)	Dr. R Lenthall
Complications related to endovascular aneurysm coiling: avoidance and management	Pr. P Mordasini
Anatomy of the intracranial venous system 1	Dr. R Lenthall
Embryology of the venous system	Pr. J Bhattacharya
SIH and the management of CSF venous fistulas (since SIH can mimic SAH)	Pr. J Beck
Stents and stent design (FDs, other braided stents, Solitaire, Atlas, Acclino)	Pr. A Rouchaud
Screening for Intracranial Aneurysms	Pr. T Andersson



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Flow diversion and neck bridging devices	Dr. S Lamin
Blood brain barrier function and dysfunction	Dr. S Renowden
Literature review of trials/registries of endovascular treatment (to incl. coils, WEBs, FDs, etc)	Pr. C Taschner
Endovascular management of giant aneurysms	Pr. L Pierot
Woven Endobridge device and other endosaccular devices	Pr. L Pierot
Endothelium mediated mechanisms of vasoconstriction and vasodilatation	Pr. M Randall
Pharmacological agents used to prevent/treat delayed cerebral ischaemia: evidence or not	Dr. S Renowden
Pathophysiology and ICU management of patients with subarachnoid haemorrhage, delayed cerebral ischaemia and when to consider EVT	Dr. N Hingley
Imaging in vasospasm for selection of patients for EVT	Pr. C Taschner
EV management of patients with delayed cerebral ischaemia	Pr. P Mordasini
Definition of coma and level of consciousness	Dr. N Hingley
Radiation exposure to patient and therapist - damage limitation 1	Ms. M Smail
How to assess effectiveness of aneurysm treatments	Pr. P White
Contrast media (to include regular low osmolar iodine based stuff and gadolinium – IV IA intrathecal)	Dr. J Macdonald
How to advise patients with unruptured aneurysms	Dr. S Power
Neurophysiology and neurobiology of pain mechanisms	Dr. S Love Jones
Radiation exposure to patient and therapist - damage limitation 2	Ms. M Smail
Vein of Galen malformation, embryology pathophysiology, management approach	Pr. J Bhattacharya



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**All lectures are held on the Canvas Platform hosted by
The University of Oxford.**

Participants will have open access to the lectures via their individual login.

Formative Quizzes (2) available 3 – 16 December 2021

Final Quiz (1) 10 – 11.30am (UK time - GMT) 16 December 2021

Tutorials live online 13 - 14 December 2021

- Management of atypical aneurysms (dissecting, infectious, traumatic, blister) Pr. A Rouchaud
- My approach to the treatment of large, giant and wide neck aneurysms Dr. M Gawlitza
- Use of intrasaccular devices other than the WEB Dr. S Lamin
- How to treat complications related to EV treatment of aneurysms Pr. T Andersson
- My approach to delayed ischaemic deficit Pr. P Mordasini
- Use of the Web, basic and advanced (remodeling, etc.) Pr. L Pierot
- How to avoid complications in EV treatment of aneurysms Dr. S Power
- Use of flow diversion and neck bridging devices Pr. C Taschner

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

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