



ECMINT

European Course of
Minimally Invasive Neurological Therapy



EBNI

ECMINT 4.2: Cerebral Aneurysms **Monday 11 December to Friday 15 December 2023**

Course Directors and Organisers: Prof. P Jezzard, Dr. A Rennie and Prof. P White
Course Administrator/Co-ordinators: Ms. Tarryn Ching & Ms. Anna Dzido

Monday

13.00 – 13.15 (14.00 – 14.15 CET)	Outline of course and introduction	PW/AR
13.15 – 13.45 (14.15 – 14.45 CET)	Radiation exposure to patient & INR– dose minimisation	Pr. P White
13.45 – 14.15 (14.45 – 15.15 CET)	SAH, causes and investigation	Dr. A Rennie
14.15 – 15.15 (15.15 – 16.15 CET)	Histopathology of Aneurysms	Dr. M Hofer
15.15 – 15.45 (16.15 – 16.45 CET)	Tea/Coffee	
15.45 – 16.15 (16.45 – 17.15 CET)	Arterial wall physiology, dissection and repair	Dr. P Watton
16.15 – 16.45 (17.15 – 17.45 CET)	Prevalence and Natural History of Intracranial Aneurysms	Dr. M Gawlitzka
16.45 – 17.15 (17.45 – 18.15 CET)	Causes of Intracranial Aneurysms	Pr. T Andersson
17.15 – 17.45 (18.15 – 18.45 CET)	Techniques for Endovascular Aneurysm packing with coils (incl. balloon, stent, double catheter)	Dr. A Rennie
18.00 – 18.30 (19.00 – 19.30 CET)	<u>Voluntary</u> “Meet the Faculty” session 1 – TA/MG/IR/AR or PW/RL	
19.00 (20.00 CET)	Dinner St. Anne’s College	



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Tuesday

08.30 – 09.00 (9.30 – 10.00 CET)	Anatomy 3	Dr. R Lenthall
09.00 – 09.30 (10.00 – 10.30 CET)	Blood brain barrier function and dysfunction	Dr. S Renowden
09.30 – 10.50 (10.30 – 11.30 CET)	Tutorial 1	
10.50 – 11.10 (11.50 – 12.10 CET)	Tea/Coffee	
11.10 – 11.30 (12.10 – 12.30 CET)	SIH and the management of CSF venous fistulas (SIH important mimic of SAH)	Pr. J Beck
11.30 – 12.50 (12.30 – 13.50 CET)	Tutorial 2	
12.50 – 13.30 (13.50 – 14.30 CET)	Lunch	
13.30 – 14.00 (14.30 – 15.00 CET)	Complications related to aneurysm coiling: avoidance and management	Pr. P White
14.00 – 15.15 (15.00 – 16.15 CET)	Tutorial 3	
15.15 – 15.45 (16.15 – 16.45 CET)	Endothelium mediated mechanisms of vasoconstriction and vasodilatation	Pr. M Randall
15.45 – 16.00 (16.45 – 17.00 CET)	Tea/Coffee	
16.00 – 17.20 (17.00 – 18.20 CET)	Tutorial 4	
17.20 – 18.50 (18.20 – 19.50 CET)	Formative Quiz 1	
19.00 (20.00 CET)	Dinner St. Anne's College	



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Wednesday

08.30 – 09.00 (09.30 – 10.00 CET)	Updated Literature review of trials/registries of EVT (to incl. coils, WEBs, FDs, etc)	Pr. C Taschner
09.00 – 10.20 (10.00 – 11.20 CET)	Tutorial 5	
10.20 – 10.40 (11.20 – 11.40 CET)	Tea/Coffee	
10.40 – 11.10 (11.40 – 12.10 CET)	Anatomy 4	Dr. R Lenthall
11.10 – 12.30 (12.10 – 13.30 CET)	Tutorial 6	
12.30 – 13.15 (12.30 – 14.15 CET)	Lunch	
13.15 – 13.45 (14.15 – 14.45 CET)	Flow diversion and neck bridging devices	Pr. C Taschner
13.45 – 14.15 (14.45 – 15.15 CET)	Stents and stent design (FDs, other braided stents, Solitaire, Atlas, Acclino etc.)	Pr. M Aggour
14.15 – 14.45 (15.15 – 15.45 CET)	WEB device and other endosaccular devices	Pr. L Pierot
14.45 – 15.15 (15.45 – 16.15 CET)	Tea/Coffee	
15.15 – 15.45 (16.15 – 16.45 CET)	Endovascular management of giant aneurysms	Pr. L Pierot
15.45 – 17.10 (16.45 – 18.10 CET)	Tutorial 7	
17.10 – 17.40 (18.10 – 18.40 CET)	Which aneurysms would I still send to surgery?	Pr. T Andersson
17.40 – 18.10 (18.40 – 19.10 CET)	<u>Voluntary</u> “Meet the Faculty” session 2 – CT/ZK/LP/MA/PN	
	(Q&A session with online participants PW/AR/TA concurrently)	
19.00 (20.00 CET)	Festive Course drinks reception & dinner at Baliol College (meet at lodge at 18.40 to walk to drinks reception)	



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Thursday

08.30 – 09.00 (09.30 – 10.00 CET)	Pharmacological agents to prevent/treat delayed cerebral ischaemia: evidence or not	Dr. S Renowden
09.00 – 10.20 (10.00 – 11.20 CET)	Tutorial 8	
10.20 – 10.40 (11.20 – 11.40 CET)	Tea/Coffee	
10.40 – 11.10 (11.40 – 12.10 CET)	What has ISAT told us after 2003?	Dr. S Renowden
11.10 – 12.30 (12.10 – 13.30 CET)	Tutorial 9	
12.30 – 13.15 (13.30 – 14.15 CET)	Lunch	
13.15 – 14.35 (14.15 – 15.35 CET)	Tutorial 10	
14.35 – 15.05 (15.35 – 16.05 CET)	Imaging in vasospasm esp. for selection of patients for EVT	Dr. A Rennie
15.05 – 15.30 (16.05 – 16.30 CET)	Tea/Coffee	
15.30 – 16.00 (16.30 – 17.00 CET)	EV management of patients with DCI	Dr. Z Kulscar
16.00 – 16.30 (17.00 – 17.30 CET)	Paediatric Aneurysms – essentials for the jobbing INR	Dr. A Rennie
16.30 – 18.00 (17.30 – 19.00 CET)	Formative Quiz 2	
19.00 (20.00 CET)	Dinner St Anne's College	



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Friday

Check out before start

08.30 – 09.15 (09.30 – 10.15 CET)	Screening for & How to advise patients with unruptured aneurysms	Pr. P White
09.15 – 10.00 (10.15 – 11.00 CET)	Pathophysiology and ICU management of patients with SAH esp. delayed cerebral ischaemia and when ICU consider EVT	Dr. B Feix
10.00 – 10.30 (11.00 – 11.30 CET)	Neurophysiology and neurobiology of pain mechanisms	Dr. S Love Jones
10.30 – 11.00 (11.30 – 12.00 CET)	Tea/Coffee	
11.00 – 11.15 (12.00 – 12.15 CET)	Course Q&A for F2F attendees PW/TC +/- AR	
11.15 – 12.45 (12.15 – 13.45 CET)	End of Course Exam	

**All lectures are streamed live via ReAttendance platform
Participants will have open access to the lectures via their individual login.**

Formative Quizzes (2) available 12 - 15 December 2023

Final Exam 11.15 – 12.45 (UK time - GMT) 15 December 2023



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ONLINE ONLY

- | | |
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| 1. Vein of Galen malformation, embryology pathophysiology, management approach | Pr. J Bhattacharya |
| 2. Contrast media (to include regular low osmolar iodine & Gd based) | Dr. J Macdonald |
| 3. How to assess the effectiveness of aneurysm treatments | Pr. P White |

Tutorials live online 13 - 14 December 2023

Each tutorial will be streamed live once via ReAttendance platform

Tutorials 1-5

- | | |
|---|-----------------|
| • Use of antiplatelet & anticoagulation therapy in EVT pragmatic approach | Dr. S Renowden |
| • My approach to v.large, giant and wide neck aneurysms | Dr. M Gawlitza |
| • Use of novel intrasaccular devices other than the WEB | Dr. A Rennie |
| • How to treat complications related to EV treatment of aneurysms | Pr. T Andersson |
| • Coiling techniques without assist devices | Dr. R Lenthall |

Tutorials 6-10

- | | |
|---|----------------|
| • My approach to delayed ischaemic deficit | Dr. Z Kulscar |
| • Case based use of the Web, basic and advanced | Pr. L Pierot |
| • Case based review of how to avoid Cx in EVT of aneurysms | Pr. P White |
| • Use of flow diversion and neck bridging devices | Pr. C Taschner |
| • Management of atypical aneurysms (dissecting, infectious, traumatic, blister) | Pr. M Aggour |

AFFILIATIONS

Title	Name	Surname	Hospital	Country
Prof.	Mohamed	Aggour	The Royal London Hospital - Barts NHS Trust	UK
Prof.	Tommy	Andersson	Karolinska Univ Hospital, Stockholm, Sweden	UE



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Prof.	Jurgen	Beck	Medical Center – University of Freiburg	EU
Prof.	Jo	Bhattacharya	NHS Scotland	UK
Dr.	Birte	Feix	Oxford University Hospital NHS	Local
Dr.	Matthias	Gawlitza	Leipzig University Hospital	EU
Dr.	Monika	Hofer	Oxford University Hospital NHS	UK
Dr.	Zsolt	Kulscar	University Hospital of Zurich, Switzerland	EU
Dr.	Robert	Lenthall	Nottingham University Hospital	UK
Dr.	Sarah	Love-Jones	North Bristol NDS Trust	UK
Dr.	Jason	Macdonald	Wessex Neurological Centre in Southampton	UK
Dr.	Andy	Molyneux	Oxford University Hospital NHS - Retired	UK
Dr.	Patrick	Nicholson	Beaumont Hospital in Dublin	Ireland
Prof.	Laurent	Pierot	Maison Blanche Hospital	EU
Prof.	Michael	Randall	University of Nottingham	UK
Dr.	Adam	Rennie	Queen Square, London, with an Honorary post at Great Ormond Street Hospital	UK
Dr.	Shelley	Renowden	North Bristol NDS Trust	UK
Prof.	Christian	Taschner	University Hospital Freiburg	EU
Dr.	Paul	Watton	Department of Computer Science, University of Sheffield	UK
Prof.	Phil	White	Newcastle upon Tyne NHS hospital	UK