

1920-05-HPT

Medical Sciences Divisional Board

Approved by Education Committee in August 2018

Title of Programme/ Name of Regulation

Master of Science by Coursework in Endovascular Neurosurgery (Interventional Neuroradiology)

Brief note about nature of change:

Closure of course

Location of change

In *Examination Regulations 2019-20*, Master of Science by Coursework in Endovascular Neurosurgery (Interventional Neuroradiology) (<http://www.admin.ox.ac.uk/examregs/2019-20/mosbcien-ineur/studentview>)

Course has closed- please remove the webpage with the Regs for this course

Effective date

For students starting from MT 2018

Detail of change

- ~~1. The Medical Sciences Board shall elect for the supervision of the course an Organising Committee which shall have the power to arrange lectures and other instruction.~~
- ~~2. Every candidate must follow for at least three terms or, in the case for part time students, for at least six terms, a course of instruction in Endovascular Neurosurgery (Interventional Neuroradiology).~~
- ~~3. Candidates will be required to present themselves for written and oral examination and to submit a logbook and a dissertation in prescribed form on an approved topic.~~
- ~~4. Candidates will be required to take three papers of three hours each:
Paper 1: Pathology, Physiology and Anatomy relevant to Endovascular Neurosurgery and Interventional Neuroradiology
Paper 2: Diagnosis in Endovascular Neurosurgery and Interventional Neuroradiology
Paper 3: Interventional Neuroradiological Techniques~~

Examination questions will reflect aspects of the subject as described in the schedule.

5. Candidates must be registered with the General Medical Council, hold an appropriate contract with the National Health Service, and have had appropriate experience in Diagnostic Radiology and/or Neurosurgery or Neurology.

6. Each candidate will be required to submit a logbook of 10,000–15,000 words (excluding references, legends and acknowledgements) for examination describing a minimum of 10 cases in which the student has participated in the patient's diagnosis and/or treatment.

7. Each candidate will be required to submit a dissertation of no more than 15,000 words (excluding legends and citations) on a subject selected in consultation with the candidate's supervisor and approved by the Organising Committee. The dissertation may vary from an account of original research work to a survey of the literature. Dissertations which reproduce substantially work submitted in the other written assignments will not be admissible.

8. Three printed copies of each of the required written submissions (dissertation and log book) must be delivered to the Department, c/o Chair of the Examiners. These must be submitted by a date to be specified by the Organising Committee and notified to students not later than eighth week of Hilary Term in the year in which the examination is taken as a date that would usually fall after the two-week period following the end of the written examinations in Trinity term of the same academic year. Each written submission must be accompanied by a Declaration of Authorship signed by the candidate confirming that it is his or her own work.

9. An oral examination will be held and this may include questions on the candidate's dissertation, logbook, or written examination papers.

10. The examiners may award a distinction for excellence in the whole examination.

11. The examiners shall retain two copies of the dissertation of each candidate who passes the examination, for deposit in the departmental library.

SCHEDULE

Paper 1: Pathology, Physiology, and Anatomy relevant to Endovascular Neurosurgery and Interventional Radiology

Pathology of lesions amenable to interventional neuroradiological techniques. The natural history of such conditions and the indications for interventional measures. Anatomy of the central nervous system with special reference to vascular anatomy including common variations to the normal pattern. The embryology and phylogeny of the blood supply of the head and spine. Vascular physiology with special reference to the cerebral and spinal circulations. Normal and potential sites of collateral circulation. Endovascular routes to lesion of the head and spine.

Paper 2: Diagnosis in Endovascular Neurosurgery and Interventional Neuroradiology

The clinical and radiological diagnosis of conditions amenable to interventional neuroradiological techniques including recognition of common symptoms and signs associated with such conditions.

Radiological and other imaging techniques for localisation and evaluation of cerebral and spinal lesion, including angiography, myelography, CT and MR scanning, Doppler ultrasound (transcranial and intra-operative), and the use of radio-pharmaceuticals. Electrophysiological and cerebral blood flow measurement techniques as well as neurological and cardiovascular monitoring pertinent to interventional neuroradiological procedures.

Paper 3: Interventional Neuroradiological Techniques

Interventional techniques for biopsy, embolisation, thrombolysis, and angioplasty. Delivery systems: their construction and applications. Embolisation materials including balloons, coils, stents, particulate and liquid embolic agents and their advantages and disadvantages for different applications. Pre and post procedural precautions, including indications for treatment, informed consent, and the recognition and management of complications.

The official name, constitution pharmacology, modes of administration, clinical agents used in interventional neuroradiological techniques. Sedation and the provision of analgesia during procedures. In particular the use of anticoagulation, fibrinolytic, and anticonvulsant agents.

Explanatory Notes

Course closure approved in August 2018, delay in requesting closure of Regs due to administrative issue