

2024

Cerebrovascular disease of the central nervous system (stroke, aneurysm, angioma) and their neurosurgical treatment opt

1st lecture (17th Sep):

- a. **(Angiographic) anatomy of the cerebral vascular system, variation of vascular system. (Dr. Hausinger Péter) 45 minutes**
- b. **Physiology of cerebral blood circulation and their clinical implications. (Dr. Hausinger Péter) 45 minutes**

2nd lecture (1st Oct):

- a. **Surgical interventions of ruptured and silent cerebral aneurysm. (Prof. Barzó Pál) 45 minutes**
- b. **Neurointerventional treatment of ruptured and silent cerebral aneurysm. (Dr. Németh Tamás) 45 minutes**

3rd lecture (15th Oct):

- a. **Acut treatment of ischemic stroke (imaging techniques, thrombolysis, indication of mechanical thrombectomy (Dr. Lukács Melinda) 45 minutes**
- b. **Acut stroke intervention - mechanical thromectomy (indications, methods) (Dr. Németh Tamás) 45 minutes**

4th lecture: (29th Oct):

- a. **Ischaemic stroke, stroke prevention (surgical treatment of carotid endarterectomy), surgical thrombectomy. (Prof. Dr. Bodosi Mihály) 60 minutes**
- b. **Endovascular stroke prevention (surgical treatment of carotid endovascular) (Dr. Hausinger Péter) 30 min**

5th lecture (12th Nov):

- a. **The role of neurointervention in the treatment of the more occurrence vascular malformations: brain AVM, Dural AV fistulas. (Dr. Németh Tamás) 90 minutes**

6th lecture (26th Nov):

- a. **Tumor embolisation, drug administration by using superselective catheter, hormone level determination, embolization of subdural hematoma (Dr. Márkos-Gergely Gellérd) 45 minutes**
- b. **Arterial approaches neurointervention (Dr. Hausinger Péter) 45 minutes**

7th lecture (10th Dec): Multiple-choice test