

**Table:** The overall structure of the course

Years of residency	Department / unit (education field)	Content	Duration
1 <sup>st</sup> .	Department of Neurosurgery	History taking and physical examination, ordering and interpreting tests	8 months
	Neurosurgery ICU	Intensive care of patients	
	General surgery Department and Emergency Classroom	Care before and after surgery, familiarity with emergency and trauma surgery as well as fluid and electrolyte disorders Shock treatment Wound healing General topics (issues contained in paragraph 1-20)	4 months
2 <sup>nd</sup> .	Neurological department	Neurological diseases Neuroelectrophysiology	3 months
	Department of Neurosurgery	Diagnosis and treatment of neurosurgical patients LP, myelography, and angiography Wound debridement, trephination and ventricular drainage Placement of cranial tractions	9 months
3 <sup>rd</sup> .	Department of Pathology	Neurological molecular and cellular neuropathology and pathology	3 months
	Selected department	Content of selected department	3 months
4 <sup>th</sup> .	Department of Neurosurgery	Diagnosis and surgical treatment of neurosurgical patients Depressed skull fracture Insertion of different types of shunts Chronic subdural hematoma evacuation Subdural hematoma evacuation Extradural and subdural hematoma evacuation	6 months
	Department of Neurosurgery	Diagnosis and surgical treatment of neurological diseases and vertebral column Stereotactic biopsy Simple lumbar spinal and disc laminectomy Journal club guidelines	12 months
5 <sup>th</sup> .	Department of Neurosurgery	Diagnosis and surgical treatment of neurological diseases and vertebral column Journal club guidelines Planning and managing the department	12 months