



OBJECTIVE

To teach and evaluate all needed knowledge to decide, rationalize and implement the Neuroendoscopic procedures

SKILLS

To gain the needed basic technical skills for Neuroendoscopic procedures

BASIC SCIENCE

Anatomy

Anterior skull base
Skull base foramina
Nasal anatomy
Anatomy of the paranasal sinuses
Anatomy of the sellar region
Dural venous sinuses
Cranial nerves
Intracranial vascular anatomy
Anatomy of the ventricles
Anatomy of the basal cisterns
Spinal cord
Cauda equina
Brachial plexus
Ulnar nerve
Median nerve
Radial nerve
Sciatic nerve

Instrumentation

Endoscopy:
Ventricular set
Skull base set
Spine set
Endoscope assisted set



NEUROSURGERY

Pituitary gland pathologies
Pineal gland lesions
Intracranial cysts
Epidermoid cysts
Lumbar and cervical disc prolapse
Entrapment syndromes
Neurovascular compression diseases
Hydrocephalus

APPROACHES

Skull base approaches
Approaches for craniopharyngiomas
Approaches to skull base meningiomas
Approaches to the cerebellopontine angle
Approaches to intraventricular lesions
Endoscopic endonasal approaches