

Faculty In Charge Of Course:	David Sandberg, MD
Participating Faculty:	David Sandberg, MD, Stephen Fletcher, DO, Manish Shah, MD
Location:	Children's Memorial Hermann, Hermann Professional Building
Offered:	Blocks 1-11, and 13
Max. # Students/Period:	2

Course Objective

Material Covered:

Basic neuro exam, coma evaluation, and neurosurgical emergencies, common neurosurgical conditions in children such as head and spine trauma, hydrocephalus, brain tumors, craniostomosis, tethered spinal cord and vascular diseases

Skills Acquired:

Clinical Neuro Diagnosis - critical care of neurologic disease, neuro imaging; basic CT/MRI and basic spine.

Surgery – pre-op evaluation, suturing and assisting, post-op care, critical care, outpatient care and discharge planning.

Social – care of the patient and parent of children with tumors and head injury, essentials of child abuse evaluation and referral to CPS.

Activities Of Elective

The elective involves significant teaching by faculty. At least five (5) hours per week are aimed at the MS IV level.

Number Of New Patients/Student/Week: 5

Responsibilities Of Student For Assigned Patients:

Does history/physical:	Yes
Who critiques	Attending
Follows patients, with appropriate notes as needed:	Yes
Who supervises:	Attending
Does student see ambulatory patients:	Yes

Procedures	Observe	Perform
Surgical Assist	X	X

Scheduled Duties of Student:

Frequency of rounds on patients	Daily
Presents patients to preceptor or attending physician	Yes
Weekly schedule of required teaching sessions	Wednesday 7 – 8 am (Pediatric Neurosurgery Neuroradiology Conference), Thurs 7-9am

Describe Optional Rounds And Activities, If Any:

Take call p.r.n., come in if desired on after-hour emergency surgery.

Other Required Activities:

Reading/review of current literature	Yes
Writing or presenting a paper	No

How Is Student Evaluated:

Based on industry, reliability, and academia. Students are evaluated closely enough by faculty to evaluate their performance meaningfully. Mid-rotation feedback is encouraged for all students, but feedback in writing is required for any students identified as having deficiencies, as soon as the deficiency is identified. Students are evaluated based on the demonstration of their accomplishment of the course objectives.

Who Evaluates Students:

Attending only.

Unique Features Of This Elective:

Opportunity to participate in the broad spectrum of care including children with neurosurgical conditions.