NSGY 802J: General Neurosurgery

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BLOCK	#	BLOCK	#	BLOCK	#	BLOCK	#
Block 1A	1	Block 3A	1	Block 5A	1	Block 7A	1
Block 1B	1	Block 3B	1	Block 5B	1	Block 7B	1
Block 1C	1	Block 3C	1	Block 5C	1	Block 7C	1
Block 2A	1	Block 4A	1	Block 6A	1	Block 8A	1
Block 2B	1	Block 4B	1	Block 6B	1	Block 8B	1
Block 2C	1	Block 4C	1	Block 6C	1	Block 8C	1

COURSE DESCRIPTION:
This course gives students a firsthand look at all facets of adult and/or pediatric neurosurgery. Students will assist in the care of patients in the inpatient and outpatient setting at the Medical University Hospital. Students will also attend the weekly neurosurgery conference scheduled for Tuesday mornings from 7am – 8am. Course availability flexible depending on the number of 4th-year students enrolled.

LEARNING GOALS & OBJECTIVES: At the completion of this clinical rotation students should be able to do the following:
1. Identify and discuss management issues of the common neurosurgical disorders (subdural and epidural hematomas, head/spine trauma, hydrocephalus, degenerative spinal disease, brain tumors, etc.). (MK5, PC3, CS3)
2. Perform a focused history and physical/neurological exam for neurosurgical disorders. (MK4, PC1, PR3)
3. Discuss basic neurosurgical approaches to common neurosurgical disorders, as well as the post-operative care, potential complications and long-term management issues. (MK5, PC3, CS1)
4. Discuss the contributions and limitations of diagnostic imaging (CT, MRI) and neurophysiological testing (EEG, EMG/NCV) in patient assessments. (PL2, SL2)
5. Discuss the non-surgical treatment of neurosurgical disorders. (MK3, PC4, PR5)

INSTRUCTIONAL METHODOLOGIES & ROTATION ACTIVITIES: Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:
1. Patient contact with adults/children in the ER, ICU, inpatients, outpatients. In the operating room students will observe common neurosurgical procedures.
2. One-on-one and group/team discussions.
3. Directed reading on general and selected topics in Neurosurgery
4. Attendance at Neurosciences Conferences.
5. Case presentations on selected/directed Neurosurgery topics per selective director or resident.

PATIENT ENCOUNTERS: Students will be expected to work-up patients with these specified conditions:
1. Head/spine trauma
2. Cerebrovascular disorders
3. Hydrocephalus
4. Degenerative spinal disease
5. Brain Tumors

EVALUATION / FEEDBACK METHODS: Students will be evaluated using the following methods:
1. E*Value Clinical Performance Evaluation.
2. Daily verbal feedback from the course director, faculty or residents.

Will students be expected to participate in call? ☐ YES ☒ NO