

## Medical Student Requirements and Responsibilities

### NEUROSCIENCE

**Third year medical students are expected to be Accountable and Active in their learning and in the care of their patients.**

**Work Hours:** Medical students must be presented with a clinical working environment that supports their learning and safeguards personal health. The emphasis should be on opportunities to learn within a reasonable framework of clinical activities. Specific considerations

- Student participation in clinical settings should not exceed resident work hour policies (80 hours/week averaged over 4 weeks, at most 30 hours continuously in the hospital followed by at least 10 hours out of hospital, average 1 day off/week).
- Students must be excused from clinical rotations by 9 PM on Thursday nights to assure meaningful participation in the Friday learning activities.

**Work Load:** Students must be presented with clinical workload expectations that support their learning while maintaining an appropriate level of engagement with the clinical environment.

- Inpatient: work up at least 1 patient on call days, carry in the range of 2-3 patients
- Outpatient: see at least 2-4 patients per half-day of clinic - do oral and written presentations, develop differential diagnoses + learning agendas, engage in case-based reading

**CAS:** Students are expected to log all patients and learning experiences in which they have engaged in clinical care and/or interactive discussion that involves participation in **history/physical, diagnosis, or treatment**. Assessment request requirements should be discussed with the faculty and Discipline leader with the following minimums:

- Inpatient: At least one log or bundled log per week – with at least 2 requests to each faculty member or resident with significant clinical/teaching exposure.
- Outpatient: One assessment request (single or bundled logs) to the preceptor per half-day of clinic. For continuity faculty (> 2 sessions): At least one bundled request to preceptor/week with a minimum of two requests to each preceptor.

**Safe contact for student concerns (work hours, treatment):**

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### Objectives for the Neuroscience Core Rotation

By the end of this rotation, students will be able to:

- Perform a complete neurological exam
- Recognize and interpret abnormal findings on the neurological examination
- Identify and provide the rationale for the region of the nervous system that is affected given specific symptoms and clinical findings
- Demonstrate the ability in the neurologically ill patient to formulate a case, develop a differential diagnosis, devise a plan for diagnosis and management, participate in management that is appropriate, compassionate and effective, and communicate this information to patients, their families and members of the health care team.
- Recognize when a patient needs to be referred to a neurologist or neurosurgeon, or can be effectively managed by a primary care physician
- Articulate the difference between acute and chronic pain
- Describe the role that neurobiology, psychology, and environmental influences play in pain related suffering and disability
- Be able to obtain a pain history which describes the biological nature & functional impairment of pain, major traumatic events & co-morbid pathologies which determine wellness and maintaining illness
- Demonstrate professional growth through response to feedback

In addition, students must log a patient or interactive learning exercise that demonstrates participation in **history/physical exam, differential diagnosis/diagnostic plan, or treatment plan** for each of the core clinical conditions listed:

Alcohol/Substance Abuse	Dizziness/Syncope	Neuropharmacology
Altered Mental Status/Coma	Headache	Personality Disorder
Anxiety	Movement Disorder/Parkinson's Disease	Psychosis
Bipolar Disorder	Multiple Sclerosis	Seizure/Epilepsy
Chronic Pain	Nervous System Tumors	Stroke
Depression	Neuropathy	

#### **Key Contacts:**

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