

## 2100 Clerkship Elective Template

Course: Neurology Ambulatory Elective Course Number NEUR 2101

Department: Neurology & Neurotherapeutics

Faculty Coordinator: Mark Agostini MD

Assistant Faculty Coordinators: Rohit Das MD, Meredith Bryarly MD

Hospital: (Location of rotation) Aston, St. Paul POB, NC2.720

Periods Offered: Periods 1-3 are reserved for students applying for neurology residency and will be filled at the discretion of the clerkship director. Periods 4-12 are open for everyone and are first come, first served.

Length: 4 weeks

Max # of Students: 4 (or 5 at the discretion of the faculty coordinator)

First Day Contact: Mark Agostini MD

First Contact Time: 0700

First Day Location: F2.300

Prerequisites: None

### I. Course Description

Goals ( <i>examples-edit as needed</i> )	Objectives ( <i>describe activities that will support how goals are to be achieved</i> )	Assessment methods ( <i>examples-explain how student will be evaluated</i> )
<b>Patient Care:</b> Attend clinic every day during the week when the clinic is open. Contact Drs Agostini, Das, or Bryarly if need time off for illness, special family occasions, or interviews.	<ul style="list-style-type: none"><li>Students will demonstrate the knowledge, attitudes and skills necessary to perform appropriately focused and accurate histories and physical assessments</li><li>Students will observe the development of evaluation and treatment plans in subspecialty neurology clinics.</li></ul>	<ul style="list-style-type: none"><li>Skills evaluation from direct observation during clinics.</li><li>Perform MSQNEX (Medical Student Quantitative Neurologic Exam)</li><li>Submit one NeuroCase and review of the literature and present at the end of the course.</li><li>Create a NeuroLog</li></ul>
<b>Medical knowledge:</b> The	<ul style="list-style-type: none"><li>The student will know</li></ul>	<ul style="list-style-type: none"><li>MSQNEX</li></ul>

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<p>student will observe how to assess and manage common complaints in various subspecialty neurology clinics.</p>	<p>basic neuroanatomy, physiology, and medications commonly used in the treatment of neurological disorders.</p> <ul style="list-style-type: none"> <li>• The Student will be able to perform an observed 100 point quantitative neuro exam (MSQNEX)</li> <li>• The student will submit one NeuroCase and review of the literature. The student will submit a NeuroLog detailing different types of patients, disease processes, etc. observed during the rotation</li> </ul>	<ul style="list-style-type: none"> <li>• NeuroCase</li> <li>• NeuroLog</li> </ul>
<p><b>Interpersonal and communication skills:</b>  <i>The students will effectively exchange information with patients, families, consultants and the team, including nurses, faculty, residents and ancillary staff.</i></p>	<p>.</p>	<ul style="list-style-type: none"> <li>• Observations of faculty and staff</li> </ul>
<p><b>Practice Based learning and Improvement:</b>  <i>Students will demonstrate the ability to assimilate scientific evidence and improve patient care practices.</i></p>		<ul style="list-style-type: none"> <li>• NeuroCase</li> </ul>
<p><b>Professionalism:</b>  <i>Students must demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population</i></p>		<ul style="list-style-type: none"> <li>• Observations of faculty and staff</li> </ul>
<p><b>Systems based practice:</b></p>	<ul style="list-style-type: none"> <li>• Know how the practice of neurological subspecialties fit into the larger system of health care.</li> </ul>	<ul style="list-style-type: none"> <li>• Observations of faculty and staff</li> <li>• Group discussion</li> </ul>

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	<ul style="list-style-type: none"><li>• Work with the team and patients to optimize use of system resources</li></ul>	

### III. Methods of Instruction:

- A. Didactic: Resident didactic lectures (Thursday afternoons)
- B. Clinical: Observe faculty and residents in various subspecialty neurology clinics; perform focused histories and examinations when applicable and discuss impressions and plans with supervising faculty.

### IV. Overview of student responsibilities

- 1) You will be very independent during this rotation. You choose where and who you will work with.
- 2) There are several main clinical sections:
  - a. General Neurology Clinic (Aston)
  - b. Neuromuscular Clinic (Aston)
  - c. Movement Disorders Clinic (Aston)
  - d. Multiple Sclerosis Clinic (St. Paul POB)
  - e. Sleep Clinic (St. Paul POB)
  - f. Stroke Clinic (Aston)
  - g. Neuro-Oncology Clinic (NC2.720)
  - h. Other: Epilepsy Monitoring Unit (EMU), Sports Neurology Clinic, other (page Dr. Agostini, e-mail Ms. Pipes)You should spend time in each section. **No more than one student per patient/faculty.**
- 3) Check the clinic schedule for the next day and decide who (what type of neurologist) you would like to work with. Some faculty listed may not be there due to vacation and other unexpected changes.
- 4) It is most efficient to spend at least a half-day with one faculty. You can spend the entire day with one faculty if you want.
- 5) Try to arrive at 7:50 and 12:50, so you can meet with the faculty you want to work with (this avoids having to knock on the door in the midst of an evaluation—not a big deal if you have to do that, however!). Clinics typically start at 08:00 and 13:00.
- 6) Ask the clinic assistants to point out particular faculty (“That’s Dr. Chitnis”!).
- 7) Attend weekly grand rounds and try to go to Thursday afternoon resident lectures. Link to schedule: <https://utsw.medhub.com/functions/public/conferences.mh?p=115>
- 8) Check with the Multiple Sclerosis clinic before you go over there, just to be sure the schedule is accurate. Ms. Pipes can help with this.
- 9) Page Dr. Agostini at 214-786-0978 at any time for any questions.

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- 10) You are also welcome to spend time in the Epilepsy Monitoring Unit (EMU—New Parkland Hospital). Text page Dr. Agostini if you interested.
- 11) Up To Date is a good, online resource in the clinic. Read as much as possible during your elective.

### NeuroLog

- 1) Create an Excel spreadsheet with the following columns:
  - A) Date Seen
  - B) PT Initials
  - C) Diagnosis
  - D) Exam Findings
  - E) Treatment
  - F) Teaching Points (i.e., what did you take away from this encounter)
  - G) Faculty (with whom you saw the patient)
- 2) Enter patients encountered. **Should log at least 40 patients (2-3 per day—pick the most interesting ones!)**
- 3) Submit by last Thursday of course.

### Case Report & Review of the Literature

- 1) Pick the **most interesting** patient you have seen.
- 2) Write a brief summary of the patient's neurologic history, exam and data.
- 3) Identify 5-10 articles, as recent as possible, that address your case and summarize their findings.
- 4) Address the pathophysiology of the disease, genetics, clinical presentation (symptoms and exam findings), recommended testing, criteria for diagnosis, current treatments and areas of ongoing or needed research.
- 4) Format:
  - A) Double-spaced
  - B) Font = 12
  - C) Approximately 3-6 pages
- 5) Present case at end-of-course Faculty Club lunch, last Thursday of course with Dr. Agostini

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### MSQNEX

- 1) Perform the Medical Student Quantitative Neurologic Exam on a clinic or hospital patient
- 2) Dr. Agostini will observe
- 3) Can be done anytime, preferably last 2 weeks of course.
- 4) Ungraded

IV. **Method of evaluation of students and requirements:** Evaluation based on assessment methods listed above, grade is Pass/Fail

- A. Pass –Fail.
- B. Must attend clinic on all days the clinic is open, unless formally excused.
- C. Complete one **MSQNEX**
- D. Submit **NeuroLog**.
- E. Submit and present **NeuroCase**