

NEUR 800B - Research (Neurology)**Dr. R. Bergen & Faculty**

6 wks; maximum length of 12 wks; offered year round

Directly supervised/Patient care or non-patient care.

Maximum enrollment of 1 student/faculty member

Prerequisites: Neurology 803

Goals: Opportunities will be afforded for research experience for a six-week period in one of the following areas of neurological research: demyelinating diseases, sleep disorders and clinical neurophysiology, neuropharmacology of movement disorders and neuro-oncology.

Format: The course is open only through prior special arrangement with the departmental faculty member who will serve as the supervisor in the special topic area. It will serve as an experience with either a clinical or laboratory research emphasis. Students should work out a plan of study with the preceptor as soon as possible prior to the beginning of the elective.

Evaluation Methods: Students will be evaluated based on:

1. Observation of skills and performing assigned research
2. Written report summarizing research projects
3. Student self-rating
4. Course evaluation questionnaire rating the quality of the overall elective experience.

NEUR 810A - Neurology Consult Service**Dr. R. Bergen & Faculty**

4 wks only; offered year round

Directly supervised/Patient care

Maximum enrollment of 2

Prerequisites: Neurology 803

Goals: This four week elective is designed to provide further understanding of the basic principles of neurological diagnosis, including the evaluation of neurological signs and symptoms and laboratory procedures.

Format: Students are assigned to the neurology consult service at AHSC or the Tucson VAH. Students may request of the Departmental Electives Coordinator to be assigned to the Good Samaritan Regional Medical Center in Phoenix. In addition to regular teaching rounds, student teaching seminars are held at AHSC. There are a number of required and non-required didactic lectures held during the month. Students will follow the course of patients in the hospital and will, along with the residents and staff, observe and guide therapy.

Evaluation Methods: Students will be evaluated on the basis of overall performance with patients by the supervising faculty member. Students will complete a course evaluation questionnaire to help the faculty judge the quality of this elective and improve it.

NEUR 815B - Behavioral Neurology/Higher Cortical Functions**Drs. G. Ahern & S. Rapcsak**

4 wks only; offered year round (check with faculty for availability)

Directly supervised/Patient care or non-patient care.

Maximum enrollment of 1

Prerequisites: Neurology 803

Goals: To gain experience in evaluating patients with higher cortical dysfunction following damage to the nervous system. Syndromes that may be seen during this elective include: dementia; behavioral consequences of stroke, head injury and epilepsy; adult learning disabilities; behavioral aspects of movement disorders; atypical psychiatric disorders.

Format: Students will observe patient evaluations in the Behavioral Neurology Unit at UMC and the Neuro-Geriatric Unit at the Tucson VAH. Toward the end of the rotation, they may perform a complete evaluation of a new patient under faculty supervision. They will attend the weekly Behavioral Neurology Unit patient conference. If time and scheduling permit, they will also observe a neuropsychological testing session, a WADA

test and attend one of the monthly Cognitive/Clinical Neuroscience Conferences. Appropriate readings will be suggested. At the end of the rotation, the student will give a brief presentation on a neurobehavioral topic of their choice.

Evaluation Methods: Detailed evaluation of the student's performance by faculty. A written report will be submitted to the Departmental Electives Coordinator.

NEUR 815C - Cerebrovascular Disease

Drs. B. Coull (Neurology)

4 or 6 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care or non-patient care.

Maximum enrollment of 1

Prerequisites: Neurology 803

Goals: This elective is designed to provide further understanding of the pathophysiology and treatment (medical and surgical) of cerebrovascular disease. The student will gain experience with diagnostic techniques including duplex carotid scanning and relevant neuroradiological procedures. There will also be opportunities to participate in ongoing cerebrovascular disease research at UMC. The elective entails reading the cerebrovasculature literature and related books or articles.

Format: The student will see all patients with cerebrovascular disease on the Neurology and Vascular Surgery services. He/she will attend the weekly cerebrovascular conference and will spend time in the Vascular laboratory observing carotid non-invasive evaluation. The student may participate in clinical or laboratory research projects under supervision of one of the faculty.

Evaluation Methods:

1. Observation of the student's examination skills, knowledge and participation during the elective.
2. Discussion with the course director and faculty.

NEUR 815D - Epilepsy Elective

Dr. D. Labiner

4 wks; maximum length 6 wks; offered year round

Directly supervised/Patient care

Maximum enrollment of 1

Prerequisites: Three years in medical school; NEUR 803

Goals:

1. Introduction to evaluation of patients with seizure disorders in a comprehensive care setting.
2. Understanding classification of epilepsies.
3. Learn about pharmaceutical management of epilepsy.
4. Learn about surgical therapies for epilepsy.

Format:

1. Attend general epilepsy clinics twice per week.
2. Attend research clinic once per week.
3. Attend epilepsy case management conferences once per week.
4. Participate in clinical research.

Evaluation Methods:

1. Observation of student performance.
2. Feedback from comprehensive epilepsy team.
3. Written comments on performance by preceptor.

NEUR 515F/815F - Neuromuscular Disorders

Dr. K. Scherer

3 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care

Maximum enrollment of 2

Prerequisites: Neurology 803

Goals: This course will introduce students to the wide variety of disorders that comprise the neuromuscular diseases. Students will become familiar with the classic clinical and genetic characteristics of these disorders, as well as the advances in genetics and treatment that have occurred over the past several years. The multi-disciplinary approach to the care of patients with neuromuscular diseases will be emphasized.

Format: Students will attend inpatient and outpatient facilities at AHSC (including MDA's Mucio F. Delgado Clinic for Neuromuscular Disorders) where they will participate in the assessment of patients. In addition, they will be exposed to the diagnostic modalities that are used to assess patients with neuromuscular disorders, including nerve conduction studies, electromyography, and muscle biopsy reading.

Evaluation Methods: Students are evaluated by the supervision of a faculty member on the basis of their performance in the clinic setting. There is no formal examination.

NEUR 891Ai/891Au - Neurology

Dr. R. Bergen & Faculty

4 or 6 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care or non-patient care.

Maximum enrollment of 1

Prerequisites: Neurology 803

Goals: To gain exposure to outside institutions and their approaches to neurologic problems.

Format: To provide the student with an opportunity to participate in a preceptorship at approved hospitals outside of Tucson including other parts of Arizona, the United States, England (Queen's Square) and elsewhere. The faculty of the Department of Neurology is familiar with programs in Neurology at other hospitals. With the sponsorship of a faculty member of this department, a student may arrange a preceptorship at other schools. The faculty member serving as the sponsor for the preceptorships should be given the full name and address of the preceptor.

Evaluation Methods: The evaluation form of the College of Medicine may be used; however, if the preceptor prefers to use the evaluation form of the visited school, this will be acceptable.

NEUR 599/899 - Independent Study

Dr. R. Bergen & Faculty

3 or 6 wks; maximum length of 6 wks; offered year round

Directly supervised/Patient care or non-patient care.

Maximum enrollment varies

Prerequisites: Medical students only

Goals: The goal of this elective is to allow the student to work with a particular faculty member in pursuit of a particular field of study in neurology.

Format: As arranged between student and instructor.

Evaluation Methods: As arranged.