

Student Limit

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| <input type="checkbox"/> 2 | <input checked="" type="checkbox"/> July 6 - 24 | <input type="checkbox"/> 2 | <input checked="" type="checkbox"/> September 28 - October 16 | <input type="checkbox"/> 2 | <input checked="" type="checkbox"/> January 4 - January 22 | <input type="checkbox"/> 2 | <input checked="" type="checkbox"/> March 30 - April 16 |
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Comments

LEARNING GOALS AND OBJECTIVES

At the completion of this clinical rotation, students will be able to:

1. Exhibit skills in performing a neurological examination.
2. Participate in the assessment and care of patients with a variety of neurological conditions.
3. Understand the contributions and limitations of diagnostic imaging (MRI and CT scan) and neurophysiological testing (EEG and EMG/NCV) in the assessment of neurological patients.
4. Understand the importance of neuroanatomical localization in the care of patients with neurological disease.

TEACHING METHODOLOGIES AND 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 inpatients (MUH, VA), outpatients (MUH,VA), and consults (MUH, VA).
2. One-on-one and/or group discussions.
3. Directed reading and literature reviews on general and selected topics in the Neurosciences.
4. Attendance at Neurosciences Conferences.
5. Case presentations.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow a minimum number of patients with the following specified conditions (i.e, 2 pediatric ear infections and 2 adult migraine headaches):

1. 1 adult neurology patient with stroke,
2. 1 adult neurology patient with movement disorders
3. 1 adult neurology patient with dementia,
4. 1 adult neurology patient with epilepsy
5. 1 adult neurology patient with headache
6. 1 adult neurology patient with neuropathy/myopathy.

EVALUATION AND FEEDBACK

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director or his/her assigned Faculty Co-Director
2. Performance on the Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director or assigned Faculty Co-Director..
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 1-2/wk

If yes, will call be overnight? No

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Comments

LEARNING GOALS AND OBJECTIVES

At the completion of this clinical rotation, students will be able to:

1. Recognize clinical neurosurgical diagnoses and discuss their management issues in some of the most common neurosurgical disorders (subdural and epidural hematomas, head/spine trauma, hydrocephalus, AVM, etc.).
2. Perform a focused history and neurological exam for neurosurgical disorders.
3. Discuss basic neurosurgical approaches to common neurosurgical disorders, as well as the post-operative care and long-term management issues.
4. Understand the contributions and limitations of diagnostic imaging (CT, MRI) and neurophysiological testing (EEG, EMG/NCV) in patient assessments.
5. Discuss the non-surgical treatment of neurosurgical diagnoses and the common complications which might occur with/or without neurosurgical intervention.

TEACHING METHODOLOGIES AND 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 ER, ICU, inpatients, outpatients, and the operating room (observe common neurosurgical procedures).
2. One-on-one and group/team discussions.
3. Directed reading on general and selected topics in the Neurosciences.
4. Attendance at Neurosciences Conferences.
5. Case presentations on selected/directed Neurosurgery topics per Selective Director prm.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow a minimum number of patients with the following specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. 6 pediatric or adult patients with common neurosurgical issues, 3 of which were your patient in the OR (you scrubbed on their case).

EVALUATION AND FEEDBACK

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director or his/her assigned Faculty Co-Director
2. Performance on Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director or assigned Faculty Co-Director responsible for doing the evaluation form.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 1-2/wk

If yes, will call be overnight? No (5 – 11 PM wkdays, 8 AM – 11 PM weekends)

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Comments

LEARNING GOALS AND OBJECTIVES

At the completion of this clinical rotation, students will be able to:

1. Develop effective clinical assessment and judgment skills, including recognition of clinical presentations of symptoms that are clinically worrisome and patterns of abnormal findings that are diagnostically important, and distinguish between focal and generalized abnormalities.
2. Recognize symptoms that may reflect neurologic impairment:
 - a. Seizures or syncope.
 - b. Weakness or low muscle tone.
 - c. Spasticity or gait impairment
 - d. Headache or irritability
 - e. Abnormal movements or tics.
 - f. Sleep problems.
 - g. School or behavior problems.
3. Discuss the use of diagnostic procedures, i.e, MRI scan, CT scan, EEG, EMG/NCV, and neuropsychological testing, in patient care.
4. Discuss the use of treatment modalities, such as baclofen pump, vagus nerve stimulator, botox injections, in patient care.

TEACHING METHODOLOGIES AND 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 and/or video case presentations.
2. One-on-one and/or group discussions.
3. Case presentations.
4. Directed reading and literature reviews on general and selected topics in the Neurosciences.
5. Attendance at Neurosciences Conferences.
6. Participation in outreach clinic opportunities when available.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or following a minimum number of patients with the following specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. 8 pediatric neurology patients with seizures, headaches, etc. and/or neurodevelopmental disabilities (mental retardation, cerebral palsy).

EVALUATION AND FEEDBACK

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director or his/her assigned Faculty Co-Director
2. Performance on Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director or assigned Faculty Co-Director.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from the end of rotation.

Will students be expected to participate in call? Yes

How frequently? 1/wk

If yes, will call be overnight? No

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Comments

LEARNING GOALS AND OBJECTIVES

At the completion of this clinical rotation, students will be able to:

1. Recognize clinically the common disorders of the spine.
2. Understand the various imaging modalities (MRI, CT) to evaluate spine disorders.
3. Perform the physical and neurological examinations of patients with spinal disorders.
4. Understand the various treatments (surgical and non-surgical) for the common disorders of the spine.

TEACHING METHODOLOGIES AND 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 inpatients and outpatients, including selected Neurosurgical OR contact.
2. One-on-one and group/team discussions (Spine Conference).
3. Directed reading on general and selected topics in the Neurosciences.
4. Attendance at Neurosciences Conferences.
5. Case presentation on selected Spine topic per Selective Director prn.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow a minimum number of patients with the following specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. 4 patients with spinal disorders.
2. 2 patients undergoing surgical treatment for spinal disorders (Operating Room contact).

EVALUATION AND FEEDBACK

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director or his/her assigned Faculty Co-Director
2. Performance on Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 1-2/wk

If yes, will call be overnight? No (5 – 11 PM wkdays, 8 AM – 11 PM weekends)

NSCS805J Behavioral Neurology/ Neuropsychology**Course Director:** David Bachman, M.D.**Course Coordinator:** Olivia Burch**Contact Information:** 843-792-3222 burchon@muscc.edu**Student
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Comments

LEARNING GOALS AND OBJECTIVES

At the completion of this clinical rotation, students will be able to:

1. Recognize patients with different types of behavioral and cognitive disorders.
2. Develop skills in performing a detailed mental status examination with the neurological examination.
3. Develop an appreciation for the advantages and limitations of neuropsychological testing.
4. Do in depth study of one neurobehavioral disorder with case presentation and written report on topic of interest per the Selective Director prn.
5. Synthesize history, clinical examination, neuropsychological testing, neuroimaging, and other clinical information into a diagnostic and treatment plan for patients with a variety of behavioral and cognitive disorders.

TEACHING METHODOLOGIES AND 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. Direct patient contact and observation of neuropsychological testing.
2. One-on-one and/or group discussions.
3. Directed reading and in depth review of selected topics in the Neurosciences.
4. Attendance at Neurosciences Conferences.
5. Case presentations and/or 5 page paper on specific topic of interest per the Selective Director prn.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow a minimum number of patients with the following specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. 3 adult patients with behavioral neurology/memory disorders.
2. Observe neuropsychological testing in 3 adult patients with behavioral neurology/memory disorders.

EVALUATION AND FEEDBACK

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director or his/her assigned Faculty Co-Director
2. Performance on Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director or assigned Faculty Co-Director.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 1/wk

If yes, will call be overnight? No

Student Limit

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Comments

LEARNING GOALS AND OBJECTIVES

At the completion of this clinical rotation, students will be able to:

1. Discuss major topics in neurometabolic-genetic diseases.
2. Develop skills to identify and evaluate possible genetic neurodevelopmental disabilities.
3. Know mechanics and application of neurometabolic-genetic diagnostic studies.
4. Participate in the presentation/counseling of an affected patient/family.

TEACHING METHODOLOGIES AND 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 and/or video case presentations.
2. One-on-one and/or group discussions.
3. Textbook and literature searches on selected topics, as well as general topics in the Neurosciences.
4. Laboratory exposure in metabolic-genetic diseases.
5. Case presentation.
6. Attend Greenwood Genetic Center Monthly Case Conference and MUSC Neuroscience Conferences.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow a minimum number of patients with the following specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. 1-2 patients with neurodevelopmental disabilities.
2. Video/power-point patient presentations.

EVALUATION AND FEEDBACK

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director.
2. Performance on Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. One-on-one weekly and end-of-rotation conference with Selective Director.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 1/wk

If yes, will call be overnight? No

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Comments

LEARNING GOALS AND OBJECTIVES

At the completion of this clinical rotation, students will be able to:

1. Discuss principles of palliative care as they apply to patients with life-limiting neurological diseases.
2. Discuss principles of geriatric medicine/neurology.
3. Understand principles of pain and symptom management, and rationale for selecting specific medications and dosing requirements for the treatment of pain, dyspnea, delirium and other common symptoms will be introduced.
4. Understand hospice eligibility criteria for patients with terminal neurological diseases.

TEACHING METHODOLOGIES AND 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 inpatients and outpatients. This includes supervised visits to hospice patients residing at home and in long-term care facilities with chronic neurological diseases (Alzheimer's, Parkinson's, stroke, etc.), and participation in palliative care in-patient consult rounds with focus on patients' diagnosed with end-stage neurological diseases or with neurological complications of terminal systemic illness (ALS, coma, persistent vegetative state, etc.).
2. Participation in weekly didactic and interactive sessions with preceptor on selected neuropalliative care and geriatric neurology topics.
3. Participation in interactive discussions regarding management of patients with end-stage neurological diseases with hospice interdisciplinary team and palliative care service team members.
4. Completion of directed reading on selected topics in the Neurosciences.
5. Attendance at Neurosciences Conferences.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow a minimum number of patients with the following specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. 2 adult pain management patients.
2. 2 adult hospice and palliative care patients.

EVALUATION AND FEEDBACK

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director or his/her assigned Faculty Co-Director
2. Performance on Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 1/wk

If yes, will call be overnight? No

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Comments

LEARNING GOALS AND OBJECTIVES

At the completion of this clinical rotation, students will be able to:

1. Recognize, and diagnose the most common brain tumors.
2. Recognize the major types of tumors and various imaging modalities for CNS tumors.
3. Understand the general management of common tumors: gliomas, meningiomas, etc.
4. Know the pathology of CNS tumors and general grading schemes.
5. Discuss non-surgical treatment of the symptoms associated with tumors: seizures, high ICP symptoms (headaches, neurological deficits), etc.
6. Understand the contributions and limitations of diagnostic imaging (MRI, CT) and neurophysiological testing (EEG) in the assessment of brain tumor patients.

TEACHING METHODOLOGIES AND 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 inpatients and outpatients, including selected neurosurgical OR contact.
2. One-on-one and group/team discussions (Brain Tumor Board) including selected Neuropathology exposure.
3. Directed reading on general and selected topics in the Neurosciences.
4. Attendance at Neurosciences Conferences.
5. Case presentations on selected Neuro-Oncology topics.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow the following minimum number of patients with the specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. 4 patients with brain and/or spinal cord tumors.
2. 2 patients undergoing surgical treatment for CNS tumors.

EVALUATION AND FEEDBACK

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director.
2. Performance on Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 1-2/wk

If yes, will call be overnight? No (5 – 11 PM weekdays, 8 AM – 11 PM weekends)

NSCS809J Movement Disorders**Course Director:** Vanessa Vinson, M.D.**Course Coordinator:** Olivia Burch**Contact Information:** 843-792-3222 burchon@musc.edu**Student
Limit**

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Comments NOTE: As a prerequisite, a student taking this course needs to have already completed one "general" Neurology "Selective" and taken the Clinical Core Neurology Shelf Examination.

LEARNING GOALS AND OBJECTIVES

At the completion of this clinical rotation, students will be able to:

1. Understand the major issues related to neurologic movement disorders.
2. Identify and evaluate movement disorder patients and to develop an appropriate management plan.
3. Understand surgical and injection-based interventions for movement disorder patients.
4. Exhibit improved physical/neurological examination skills while doing a complete neurological exam.

TEACHING METHODOLOGIES AND 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 as outpatients at MUH and VA Medical Center, inpatient consults, and Neurosurgical OR (observe Deep Brain Stimulation procedures and intraoperative neurophysiologic monitoring). This contact includes attendance at the Botox Clinic on a regular basis.
2. One-on-one and group/team discussions.
3. Directed reading on selected topics in the Neurosciences.
4. Case presentation on a selected movement disorder topic per Selective Director prn.
5. Attendance at Neurosciences Conferences and participate, if necessary, in duties on inpatient Neurology Service if Selective Director is assigned to those at the time of this Movement Disorder Selective.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow a minimum number of patients with the following specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. 6 patients with movement disorders, 2 of which were observed during neurosurgical DBS procedures and/or intraoperative neurophysiologic monitoring. One (1) patient should be from those evaluated and treated at the Botox Clinic.

EVALUATION AND FEEDBACK

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director(s).

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director.
2. Final grade = 100% "clinical", to include assigned Case Presentation prn.

Will students be expected to participate in call? Yes

If yes, how frequently? 1/week

If yes, will call be overnight? No (5 – 11 PM wkdays, 8 AM – 11 PM weekends)

Student Limit

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| <input type="checkbox"/> 2 | <input checked="" type="checkbox"/> July 6 - 24 | <input type="checkbox"/> 2 | <input checked="" type="checkbox"/> September 28 - October 16 | <input type="checkbox"/> 2 | <input checked="" type="checkbox"/> January 4 - January 22 | <input type="checkbox"/> 2 | <input checked="" type="checkbox"/> March 30 - April 16 |
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Comments

LEARNING GOALS AND OBJECTIVES

At the completion of this clinical rotation, students will be able to:

1. Exhibit skills in history taking, clinical assessment, and critical thinking related to pediatric neurology epilepsy as well as child neurology in general.
2. Exhibit a thorough understanding of a particular aspect of epilepsy affecting children, formulating a written and/ or PowerPoint presentation which contributes to knowledge and/or management of this aspect of pediatric epilepsy.

TEACHING METHODOLOGIES AND 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. Direct patient contact and/or video demonstrations.
2. One-on-one discussions with Selective Director and colleagues.
3. Directed reading on selected topics per Selective Director.
4. Attendance at Neurosciences Conferences.
5. Case presentations.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow a minimum number of patients with the following specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. 4 patients with epilepsy.
2. The student will actively participate in:
 - a. Outpatient Pediatric Epilepsy Clinics in Rutledge Tower,
 - b. Inpatient Pediatric Epilepsy Monitoring Service in the Children's Hospital,
 - c. Outreach Epilepsy Clinics at DDSN Specialty Centers (Coastal, Saleeby, and Pee Dee Centers)
 - d. Understanding the basic procedures and examinations involved in diagnosing and treating pediatric and special needs patients with seizures and epilepsy; develop familiarity with EEG, brain MRI/CT, neuropsychological testing.
 - e. Participate in investigation of a particular aspect of pediatric epilepsy (clinical or research oriented) with the opportunity to prepare such study and research for publication mentored by the Selective Director.

EVALUATION AND FEEDBACK

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge, and the completion of a standard COM Year III Evaluation form by Selective Director
2. Performance on Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Multi-weekly and end-of-rotation conference with Selective Director.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 1/wk

If yes, will call be overnight? No

Student Limit

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Comments

LEARNING GOALS AND OBJECTIVES

At the completion of this clinical rotation, students will be able to:

1. Evaluate a critically ill patient with neurologic/neurosurgical illness.
2. Develop a clinical care/management plan for Neuro ICU patients
3. Manage the most common neurologic emergencies requiring neurocritical care.
4. Perform some critical care procedures required in the Neuro ICU.
5. Understand the contributions and limitations of diagnostic imaging (MRI, CT) and neurophysiological testing (EEG, EMG/NCV) in the assessment of Neuro ICU patients.

TEACHING METHODOLOGIES AND 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 inpatients (Neuro ICU).
2. One-on-one and/or group/team discussions; one formal lecture per week on Neuro ICU topics.
3. Directed reading on general and selected topics in the Neurosciences as well as handouts on Neuro ICU topics.
4. Attendance at Neurosciences Conferences.
5. Case presentation on selected/directed Neuro ICU topic per Selective Director prn.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow a minimum number of patients with the following specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. One (1) Neuro ICU patient continuously for the entire Selective in addition to daily bedside rounds on all patients.

EVALUATION AND FEEDBACK

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director
2. Performance on Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 2/week for 2 weeks, 1/week during week 3

If yes, will call be overnight? No (5 – 11 PM wkdays, 8 AM – 11 PM weekends)

NSCS813J Neuromuscular Disease

Course Director: David Stickler, M.D.
Course Coordinator: Olivia Burch
Contact Information: 843-792-3222 burchon@musc.edu

Student Limit

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Comments

LEARNING GOALS AND OBJECTIVES:

At the completion of this clinical rotation, students will be able to:

1. Know the anatomy and function of the peripheral nervous system.
2. Recognize diseases that cause abnormalities in nerve or muscle function including diseases of neuromuscular transmission.
3. Understand the concepts and utility of the electrodiagnostic testing performed in the evaluation of the peripheral nervous system.
4. Understand the multi-disciplinary approach to patients with chronic neuromuscular diseases.

TEACHING METHODOLOGIES AND 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. Direct patient contact including the evaluation and testing of patients seen in the MUSC Neurophysiology Laboratory (EMG, NCV).
2. One-on-one and/or group discussions.
3. Directed reading on general and selected topics in the Neurosciences.
4. Attendance at Neurosciences Conferences.
5. Case presentations.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow a minimum number of patients with the following specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. 5 pediatric or adult patients with neuromuscular diseases.

EVALUATION AND FEEDBACK:

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director.
2. Performance on Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 1/wk

If yes, will call be overnight? No

NSCS814J Neuro-Ophthalmology

Course Director: Aljoeson Walker, M.D.
Course Coordinator: Olivia Burch
Contact Information: 843-792-3222 burchon@musc.edu

**Student
Limit**

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Comments

LEARNING GOALS AND OBJECTIVES:

At the completion of this clinical rotation, students will be able to:

1. Evaluate the patient for visual concerns as they are related to Neurology.
2. Correlate the Neuro-anatomical evaluation with the ophthalmic and metabolic process.
3. Generate a rational differential diagnosis for neuro-ophthalmic diseases.
4. Structure a practical evaluation of the neuro-ophthalmic patient.

TEACHING METHODOLOGIES AND 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. Viewing of videos of the anatomical workshop of visual symptoms.
2. Direct patient contact with one-on-one /group discussions.
3. Directed reading in general and selected topics in Neurosciences.
4. Attendance at Neurosciences Conferences.
5. Case presentations per the Selective Director prn.

PATIENT ENCOUNTERS:

Students on this rotation will be expected to work up and/or follow a minimum number of patients with the following specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. 5 with visual complaints.
2. 2 with neurologic/headache complaints.

EVALUATION AND FEEDBACK:

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director.
2. Performance on Clinical Core Neurology Shelf Examination.

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 1/wk

If yes, will call be overnight? No

Student Limit

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Comments

LEARNING GOALS AND OBJECTIVES:

At the completion of this clinical rotation, students will be able to:

1. Exhibit an authoritative understanding of a particular neurologic developmental or neurobehavioral disorder affecting children selected jointly by the student and the Selective Director.
2. Make an authoritative contribution to the profession's knowledge or management of the disorder.

TEACHING METHODOLOGIES AND 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. Direct patient contact.
2. One-on-one discussions with Selective Director and colleagues.
3. Directed reading and in depth literature review.
4. Attendance at Neurosciences Conferences.
5. Case presentation(s) per the Selective Director prn.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow a minimum number of patients with the following specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. To be arranged with the Selective Director.

Note: The student will select a clinical disorder of particular interest and develop a detailed understanding of the neuroscience and clinical features unique to the disorder. Based upon goals developed at the outset of the selective, the student may clinically evaluate patients with this disorder, interview families of affected children, develop an ongoing clinical research study, prepare one or more case reports for publication, write an authoritative review of the subject, or generate a web-based tutorial concerning the disorder. Emphasis will be placed on unique aspects of the disorder, such as genetic, sleep, or behavioral problems.

EVALUATION AND FEEDBACK:

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director or his/her assigned Faculty Co-Director
2. Performance on Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 1/wk

If yes, will call be overnight? No

NSCS816J Neurovascular Stroke

Course Director: Robert Adams, M.D.
Course Coordinator: Olivia Burch
Contact Information: 843-792-3222 burchon@musc.edu

Student Limit

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Comments

LEARNING GOALS AND OBJECTIVES:

At the completion of this clinical rotation, students will be able to:

1. Evaluate patients with stroke symptoms.
2. Develop a clinical care/ management plan for stroke patients.
3. Understand principles of acute stroke treatment, including thrombolysis.
4. Understand the contributions and limitations of diagnostic imaging (MRI, CT) in the assessment of stroke patients.
5. Understand principles of primary and secondary stroke prevention.

TEACHING METHODOLOGIES AND 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 inpatients in the Stroke Unit/ Neurology Stroke Ward.
2. One-on-one and/or group/team discussions; one formal lecture per week on stroke topics.
3. Directed reading on general and selected topics in the Neurosciences as well as handouts on cerebrovascular diseases.
4. Attendance at Neurosciences Conferences.
5. Case presentations on selected/ directed stroke topics per the Selective Director prm.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow a minimum number of patients with the following specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. One (1) stroke patient continuously for the entire Selective in addition to daily bedside rounds on all patients.

EVALUATION AND FEEDBACK:

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director or his/her assigned Faculty Co-Director
2. Performance on Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 1/wk

If yes, will call be overnight? No

Student Limit

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Comments

LEARNING GOALS AND OBJECTIVES:

At the completion of this clinical rotation, students will be able to:

1. Know the anatomy and function of the axial and appendicular musculoskeletal system.
2. Recognize diseases that cause functional abnormalities.
3. Understand the concepts and utility of provocative tests in diagnosis and therapy prescription.
4. Understand the use of injections and other conservative management techniques in the treatment of musculoskeletal disorders.
5. Understand anatomy, injury types, and examination of spine patients.
6. Understand rehabilitative approach to patients with musculoskeletal disorders and other neurorehabilitation needs.

TEACHING METHODOLOGIES AND 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. Direct patient contact including the evaluation and testing of patients seen in the outpatient physiatry clinic.
2. One-on-one and/or group discussions.
3. Directed reading on general and selected topics in Rehabilitation Medicine and the Neurosciences.
4. Attendance at Neurosciences Conferences.
5. Case presentations per the Selective Director prn.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow the following minimum number of patients with the specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. Five (5) pediatric or adult patients with physical medicine and rehabilitation disorders.

EVALUATION AND FEEDBACK:

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director or his/her assigned Faculty Co-Director
2. Performance on Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 1/wk

If yes, will call be overnight? No

Student Limit

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| <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> July 6 - 24 | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> September 28 - October 16 | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> January 4 - January 22 | <input type="checkbox"/> | <input type="checkbox"/> March 30 - April 16 |
| <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> July 27 - August 14 | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> October 19 - November 6 | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> January 26 - February 12 | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> April 19 - May 7 |
| <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> August 17 - September 4 | <input type="checkbox"/> | <input type="checkbox"/> November 9 - November 27 | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> February 16 - March 5 | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> May 10 - May 28 |
| <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> September 8 - September 25 | <input type="checkbox"/> | <input type="checkbox"/> November 30 - December 18 | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> March 8 - March 26 | <input type="checkbox"/> 1 | <input checked="" type="checkbox"/> June 1 - June 18 |

Comments

LEARNING GOALS AND OBJECTIVES:

At the completion of the rotation, students will be able to:

1. Evaluate patients with the complaint of "excessive daytime fatigue" and/or "snoring".
2. Recognize the major types of sleep disorders and sleep pathology.
3. Generate a rational differential diagnosis for sleep disorders.
4. Be able to recognize the principal features of a sleep study.
5. Understand the principles of patient education.
6. Understand the principles of treatment for major sleep disorders.

TEACHING METHODOLOGIES AND 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. Viewing of sleep study tracings, and rational interpretation of the major findings.
2. Patient contact with adults/children as outpatients at MUSC and North Charleston clinics.
3. One-on one discussion of cases outlining the educational and interventional treatment plan appropriate for individual patients.

PATIENT ENCOUNTERS:

Students in this rotation will be expected to work up and/or follow the minimum number of patients with the specified conditions (i.e. 2 pediatric ear infections, 2 adult migraine headaches):

1. Two with obstructive sleep apnea/OSA..
2. Two with Restless Leg Syndrome/PLMS.

EVALUATION AND FEEDBACK:

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director.
2. Performance on Clinical Core Neurology Shelf Examination.

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions in Step 2.

Please outline when and how the learners will receive feed back on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director.
2. Final grade = 90% clinical, 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

LEARNING GOALS AND OBJECTIVES:

At the completion of this clinical rotation, students will be able to:

1. Know the anatomy and function of the axial and appendicular musculoskeletal system.
2. Recognize diseases that cause functional abnormalities.
3. Understand the concepts and utility of provocative tests in diagnosis and therapy prescription.
4. Understand the use of injections and other conservative management techniques in the treatment of musculoskeletal disorders.
5. Understand anatomy, injury types, and examination of spine patients.
6. Understand rehabilitative approach to patients with musculoskeletal disorders and other neurorehabilitation needs.

TEACHING METHODOLOGIES AND 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. Direct patient contact including the evaluation and testing of patients seen in the outpatient psychiatry clinic.
2. One-on-one and/or group discussions.
3. Directed reading on general and selected topics in Rehabilitation Medicine and the Neurosciences.
4. Attendance at Neurosciences Conferences.
5. Case presentations per the Selective Director prn.

PATIENT ENCOUNTERS

Students on this rotation will be expected to work up and/or follow the following minimum number of patients with the specified conditions (i.e, 2 pediatric ear infections, 2 adult migraine headaches):

1. Five (5) pediatric or adult patients with physical medicine and rehabilitation disorders.

EVALUATION AND FEEDBACK:

Students on this rotation will be evaluated through the following methods, and designate by whom for each method:

1. Observation of clinical skills and knowledge by Selective Director or his/her assigned Faculty Co-Director
2. Performance on Clinical Core Neurology Shelf Examination

NOTE: The use of the Clinical Core Neurology Shelf Examination is for the purpose of familiarizing the student with the types of questions that WILL be asked about clinical neurology on the USMLE Step 2. Historically, neurology topics comprise 10-16% of the total examination questions on Step 2.

Please outline when and how the learners will receive feedback on their performance:

1. Mid-selective and end-of-rotation conference with Selective Director.
2. Final grade = 90% "clinical", 10% Shelf Exam in Clinical Core Neurology; usually prepared within 4 weeks from end of rotation.

Will students be expected to participate in call? Yes

If yes, how frequently? 1/wk

If yes, will call be overnight? No