NEURO 7930 Pediatric Neurology Elective Syllabus

Credit Hours: 2 or 4

Contact Information

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<tr>
<th>Name</th>
<th>Position</th>
<th>Phone/Pager</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harsheen Kaur, MD</td>
<td>Director</td>
<td>801-213-7692</td>
<td><a href="mailto:Harsheen.Kaur@hsc.utah.edu">Harsheen.Kaur@hsc.utah.edu</a></td>
</tr>
<tr>
<td>Tiffany Passow</td>
<td>Course Coordinator</td>
<td>801-662-5700</td>
<td><a href="mailto:Ped.education@hsc.utah.edu">Ped.education@hsc.utah.edu</a></td>
</tr>
<tr>
<td>Roussella Price</td>
<td>Scheduling at PCH</td>
<td></td>
<td><a href="mailto:pedsneurorotations@hsc.utah.edu">pedsneurorotations@hsc.utah.edu</a></td>
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Course Information

Brief Description of Course
The Pediatric Neurology Clinical Elective is a 2- or 4-week course which gives clinical exposure to the pediatric neurological patient. It is a platform to gain clinical experience and achieve core competencies. The schedule is highly customized and flexible, enabling students to tailor their learning experience to their specific career goals and interests. It is recommended that students meet with the course director before their rotation to design a schedule that will provide the best educational experience possible. Students should submit a written statement about their interests in Child Neurology and their goals and objectives for the rotation to the coordinator prior to the start of the rotation and should be signed off by the course director.

Course Goals
As a result of successfully completing the Pediatric Neurology Elective Course, students will:
1. Move from the role of reporter into the role of interpreter of data
2. Acquire greater knowledge of common pediatric neurological conditions including their clinical features and management.
3. Master the ability to localize the site of a lesion as the first step in the evaluation.
4. Elicit a complete neurological history from a patient when applicable or parent and perform a thorough, accurate neurological examination
5. Formulate a thorough differential diagnosis
6. Select appropriate initial diagnostic testing to further define a differential diagnosis

Course Format & Schedule

Timeline
2 or 4 week course
5 days per week, depending on clinic location
8-10 hours per day

Educational and Instructional Modalities

<table>
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<tr>
<th>Modality</th>
<th>Percentage</th>
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<tr>
<td>Didactic</td>
<td>10%</td>
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<tr>
<td>Clinic Time</td>
<td>90%</td>
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Role of the Student in this Course
Outpatient Clinics: Students on the outpatient services are expected to see clinic patients with the preceptor, either together or independently prior to the preceptor. For each patient visit the student should, as instructed by the preceptor, obtain a relevant history, perform a pertinent physical examination, retrieve clinical information from the electronic medical record and other sources, present the patient to the clinic preceptor, and discuss the diagnosis or differential diagnosis, further work-up plans, treatment and long-term management. The student may generate a clinical encounter note in the EMR for review by the preceptor.

Inpatient Service: Students on the inpatient services are expected to follow a maximum of 2-3 patients at a time. For each new patient the student should obtain an admission history and physical examination, retrieve clinical information from the EMR and other sources, present the patient to the supervising resident and preceptor, finalize the admission plans with the supervising resident or preceptor and patient, enter admission orders for additional diagnostic testing or therapies, and enter the admission History and Physical in the student section of the EMR. Each day, the student should pre-round on his/her panel of patients (i.e. gather interval history and data, perform a focused physical examination, present the patient during rounds, enter new orders, and construct a daily progress note).

Suggested Textbook(s)/Readings

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<tr>
<th>Book Title + ISBN</th>
<th>Author/Publisher/Edition</th>
<th>Approximate Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pediatric Neurology: A Case Based Review</td>
<td>Tena Rosser</td>
<td>$80</td>
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For each patient seen, students are expected look up the diagnosis in a textbook or other source (UpToDate®, as the name implies, is a current and easy-to-consult source of medical information; access is available without charge when logged onto the University Computer) and consult PubMed for literature on the specific clinical aspects of patient care.

Additional Resources
Resources are available on-line (PubMed, genetests.org, SimulConsult.com, childneurologysociety.org) and textbooks are available in the Pediatric Neurology team room.

Assessment & Grading

Preceptor Evaluations
This Clinical Course employs a preceptor evaluation which contributes to the student’s overall course grade.

Assessments

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<tr>
<th>Assessment Name</th>
<th>Weight toward Final Grade</th>
<th>Course Goal Assessed</th>
<th>Due Date</th>
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</thead>
<tbody>
<tr>
<td>Preceptor Evaluations</td>
<td>75%</td>
<td>1, 2, 3, 4, 5, 6</td>
<td>NA</td>
</tr>
<tr>
<td>Case Write-up</td>
<td>20%</td>
<td>1, 2, 5, 6</td>
<td>End of Rotation</td>
</tr>
<tr>
<td>Assessment of Student Goals and Objectives</td>
<td>5</td>
<td></td>
<td>End of Rotation</td>
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Grading Criteria

Clinical Management Case Write-up
Students are to identify a clinical case encountered on their rotation, such as a patient encounter with a rare diagnosis or challenging treatment or management question. The student should write up a case report including a description of the case, discussion of management and review of the literature. The write-up should be submitted to the clerkship director by the end of the rotation and will be graded using the following criteria:
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<th>Superior/ Exceptional (4.0)</th>
<th>Exceeds Expectations/ Very Good (3.0)</th>
<th>Meets Expectations/ Competent (3.0)</th>
<th>Below Expectations/ Marginal (1.0)</th>
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<tr>
<td>Formulation of the clinical issue</td>
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<td>Depth and breadth of the literature review</td>
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<tr>
<td>Clarify &amp; thoughtfulness with respect to evidence-based analysis</td>
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### Assessment of Student Goals and Objectives
Throughout the rotation, students should consider and discuss the written goals and objectives that they established at the beginning of the rotation with their attending(s) to ensure progression and completion. At the conclusion of the rotation, the student should meet with the course director to review their progress. The student should write a brief summary of their rotation noting whether their goals and objectives were met and what aided in or hindered their completion. This assessment should be submitted to the clerkship coordinator at the end of the rotation.

### Grading System
Students will receive a final letter grade of PASS (P), or FAIL (F) for this course.

**PASS:** A student who achieves all the criteria with a final numerical score of greater than or equal to 2.0, will be assigned a grade of PASS for the course.

**FAIL:** A student who fails to achieve all the for PASS, will be assigned a grade of FAIL for the course.

### Student Feedback
Student feedback is an important aspect of curriculum quality improvement. Thus, students are expected to complete all assigned feedback surveys specific to a course by the due date.

### Standard Policies
Please refer to the Student Handbook (on the Student Affair’s website) for these policies:
- Accommodations
- Addressing Sexual Misconduct
- Attendance policy
- Dress Code
- Examination and Grading Policies
- Grade or Score Appeal
- Professionalism, Roles & Responsibilities
- Mistreatment

### Alternate Name and/or Personal Pronoun
Class rosters are provided to the instructor with the student’s legal name as well as ‘Preferred’ first name (if previously entered by you in the Student Profile section of your CIS account). While CIS refers to this as merely a preference, we will honor you by referring to you with the name and pronoun that feels best for you in class, on papers, exams, group projects, etc. Please advise us of any name or pronoun changes (and please update CIS) so we can help create a learning environment in which you, your name, and your pronoun will be respected.
Center for Disability & Access Services

The School of Medicine seeks to provide equal access to its programs, services and activities for all medical students. The Center for Disability and Access (CDA) provides accommodations and support for the educational development of medical students with disabilities. Medical students with a documented disability and students seeking to establish the existence of a disability and to request accommodation are required to meet with the CDA Director for recommended accommodations. The CDA will work closely with eligible students and the Academic Success Program to make arrangements for approved accommodations. The School of Medicine and CDA maintain a collegial, cooperative, and collaborative relationship to ensure compliance with federal and state regulations for students with disabilities.

Steven Baumann EdD, School of Medicine Senior Director of Academic Success Program, serves as the liaison between the School Of Medicine and the CDA.

Contact Information:
Dr. Steven Baumann, Senior Director of Academic Success Program
1C047 SOM Office: 801-587-9797
Email: Steven.Baumann@hsc.utah.edu

University of Utah Center for Disability and Access
Olpin Student Union Building, Room 162 Phone (Voice/TDD): (801) 581-5020
http://disability.utah.edu