



University
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School
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Synapse: Introduction to Child Neurology

Spring 2019

<u>Course Dates:</u>	April 2, 5, 9, 12 Fridays, 1:00-5:00 PM
<u>Maximum Students:</u>	2
<u>Class Year:</u>	MS1
<u>Course Director:</u>	Deepa S Rajan, MD Assistant Professor of Pediatrics Children's Hospital of Pittsburgh
<u>Contact Information:</u>	rajands@upmc.edu 412-692-6106
<u>Registration:</u>	Betsy Nero, Office of Medical Education betsy@medschool.pitt.edu

Description:

This mini elective in child neurology is designed to be an introduction to clinical child neurology for first year medical students. Our overall goal is to foster an awareness and interest in neurosciences/child neurology and to provide mentoring opportunities for students by learning the fundamentals of the clinical specialty of child neurology.

Clinical experiences will be integrated and intertwined with the Neuroanatomy/ Neurophysiology curriculum to promote an understanding of the basic neuroscience in the context of clinical practice. This will be accomplished via a 4 session course with didactic sessions integrated with low instructor-to-student ratio clinical experiences. 2 students will be paired with an attending to work through a case in the clinic. Students will be briefed on the case and by the end of the course will be expected to obtain a complete history, perform relevant portions of the neurological physical exam, and help construct an assessment and plan.

Course Objectives:

- To increase familiarity and proficiency with clinical neurological examination
- To apply neuroscience principles to clinical child neurology
- To offer mentorship and career development opportunities in child neurology

Requirements:

Attendance at all 4 sessions

Suggested Attendance:

Neuro-Radiology Conference: Friday 4PM-5PM

Clinical Pediatric Neurology Conference: Tuesday 1PM -2PM

Pre-Requisites:

None

COURSE OUTLINE

SYNAPSE: Introduction to Child Neurology

Dates/Times: April 2, 5, 9, 12

Tuesdays: 1:00-5:00 PM

300 Plaza building

Children's Hospital of Pittsburgh

AND

Fridays: 1:00 – 5:00 PM

8th Floor Faculty Pavilion

Children's Hospital of Pittsburgh

Locations: Listed in the sessions below.

Course Director:

Deepa S Rajan, MD

rajands@upmc.edu

412-692-6106

Participating Faculty:

Deepa Rajan MD

Alexis Franks MD

Course Objectives:

- Assist the student's transition from didactic to integrated clinical neurological setting
- Reduce "neurophobia" – to develop a comfort level and proficiency with the pediatric neurology examination

Recommended Reading prior to and during the elective:

<https://library.med.utah.edu/pedineurologicexam/html/introduction.html>

The University of Utah website is a good introduction to the basics of pediatric neurological exam and developmental assessment. We recommend that the students review the introductory videos prior to the mini elective. Material will be accessible via dropbox prior to the elective.

Textbooks available through HSLs for the initiated:

Blumenfeld's *Neuroanatomy through Clinical Cases*, available through the HSLs

Fenichel GM. *Clinical Pediatric Neurology: A signs-and-symptoms-based approach* available through HSLs

Brazis, PW, Masdeu, JC, Biller, J. *Localization in Clinical Neurology*.

Session 1—Tuesday, April 2, 2018

Location: 300 Plaza Building, Children's Hospital of Pittsburgh

1PM – 2PM: Clinical Pediatric Neurology Conference: Clinical conference with history/ examination of live patient followed by discussion on assessment and plan.

2PM – 4 PM: **Dr Rajan:** The students will be introduced to the clinical neurological exam of pediatric patients admitted to the hospital at different developmental stages – newborn, toddler, preschool, school age with the attending leading the examination.

Session 2—Friday, April 5, 2018

Location: 2 Mouse, 2nd floor, Children's Hospital of Pittsburgh

Dr Franks: The students will be introduced to the clinical neurological exam of pediatric patients admitted to the hospital at different developmental stages – newborn, toddler, preschool, school age with the attending leading the examination.

4PM-5PM: After every Friday session, students will be encouraged to attend "Tea Rounds", the neuro-radiology conference, led by Dr. Ira Bergman, Chief of Child Neurology.

Session 3 – Tuesday, April 9

Location: 300 Plaza Building, Children's Hospital of Pittsburgh

1PM – 2PM: Clinical Pediatric Neurology Conference: Clinical conference with history/ examination of live patient followed by discussion on assessment and plan.

2PM – 4PM: **Dr Rajan:** During these sessions in the pediatric neurology clinic, the students will be encouraged to obtain a history and perform a complete physical/ neurological exam of patients. The students will present and discuss the case with the attending and develop an assessment and plan. The most common conditions seen in Child Neurology clinic include acute neurological conditions, seizure, movement disorders, headaches, developmental delay etc.

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Session 4— Friday, April 12

Location: 2 Mouse, 2nd floor, Children's Hospital of Pittsburgh

Dr Franks: During this sessions in the pediatric neurology clinic, the students will be encouraged to obtain a history and perform a complete physical/ neurological exam of patients. The students will present and discuss the case with the attending and develop an assessment and plan. The most common conditions seen in Child Neurology clinic include acute neurological conditions, seizure, movement disorders, headaches, developmental delay etc.

4PM – 5PM: After every Friday session, students will be encouraged to attend "Tea Rounds", the neuroradiology conference, led by Dr. Ira Bergman, Chief of Child Neurology.