

Name of Rotation: Child Neurology Rotation

Supervisor: Yvonne Wu and Audrey Foster-Barber

Rotation Description:

This is a month-long rotation for adult neurology residents. The residents rotate through the Child Neurology service 3 times during their R2, 3, or 4 years. Residents will work with the inpatient team and attend outpatient clinic.

Core Competencies:

Patient Care-Resident is able to provide compassionate, appropriate and effective patient care for the treatment of health problems and promotion of health. Resident understands how to appropriately prioritize patient problems and develop an appropriate diagnostic plan, prescribes medications appropriately, shows an appropriate balance between attention to the details of patient care and the overall context of treating the patient's illness. Resident obtains consultations appropriately, and is able to perform technical procedures adequately, when appropriate.

Medical Knowledge-Resident demonstrates knowledge of established and evolving biomedical, clinical, epidemiological, and social/behavioral sciences as well as the application of this knowledge to patient care. Resident is able to assess diagnostic information critically and constructively, and recognizes the psychosocial aspects of illness. Resident is able to critically evaluate the medical literature and apply new knowledge to the delivery of safe and effective patient care.

Practice-Based Learning and Improvement- Resident is able to critically evaluate the care of their patients, appraise and assimilate scientific evidence, and continuously improve patient care delivered on the basis of ongoing self-evaluation and learning. The resident uses knowledge to educate patient families, medical students, allied health personnel, peers, and other health professionals as appropriate. Resident is capable of self-identifying strengths, deficiencies, and the limits of their knowledge and expertise. The Resident is receptive to constructive criticism (formative evaluation feedback) regarding the care of patients and physician performance. Resident is able to set learning and improvement goals, and identify and perform activities appropriate to meeting those goals.

Interpersonal and Communication Skills-The Resident demonstrates interpersonal and communication skills that result in effective information exchange and collaboration with patients, families and other health professionals.

These skills include the ability to communicate across a broad range of socio-economic and cultural backgrounds and ability to communicate with physicians, health professionals, and health related agencies effectively. Resident is able to maintain comprehensive, timely and readable medical records. Resident can work effectively as a member or leader of a healthcare team and serve appropriately as a consultant to other physicians and health professionals. Resident is able to clearly lead daily work rounds, when appropriate.

Professionalism- Committed to carrying out professional responsibilities and adhering to ethical principles. Resident demonstrates respect for patient privacy and autonomy and is accountable to patient, society and the medical profession for actions. Resident demonstrates compassion, integrity and respect for others as well as responsiveness to patient needs that supersede self-interest. The Resident demonstrates sensitivity and responsiveness to a broad patient population including diversity in gender, age, culture, race, religion, disability, and sexual orientation. Resident demonstrates the ability to

manage personal stress effectively. Answer pages or messages in a timely fashion. Resident understands how to maintain appropriate professional boundaries, and demonstrates integrity, honesty and compassion. Resident completes assigned tasks in a timely fashion.

Systems-Based Practice-Resident understands and is capable to interact effectively with different systems of care. Demonstrates the ability to provide high-quality care in a cost-effective manner. Resident incorporates consideration of cost-awareness and risk-benefit analysis in patient care decisions. Resident advocates for high quality care for all patients.

Rotation Goals:

1. The residents will learn about normal and abnormal neurologic development, and appreciate the way that the neurologic examination changes with age in the neonate and child. (Competencies Addressed: Patient Care, Medical Knowledge, Practice-Based Learning and Improvement)
2. The residents will gain confidence in the assessment of neonates and young children, and be able to elicit and recognize normal and abnormal neurologic findings. (Competencies Addressed: Patient Care, Medical Knowledge, Practice-Based Learning and Improvement, Interpersonal and Communication Skills, Professionalism, Systems-Based Practice)
3. The residents will be exposed to common problems encountered in inpatient and outpatient Child Neurology, and will learn an approach to assessment of more complex or rare problems. (Competencies Addressed: Patient Care, Medical Knowledge, Practice-Based Learning and Improvement, Systems-Based Practice)

Rotation Objectives:

1. Work with the inpatient team, run by the Child Neurology and fellow, in daily care of patients on the consultation service. Consultations from other acute care teams, the ER or urgent care, and the PICU/CICU/NICU will be triaged by the Child Neurology fellow, and assigned to the resident as appropriate. The resident will perform a full assessment, review it with the fellow, write the consultation note, and present directly to the attending. Residents will generally not take care of patients on the inpatient Child Neurology service as a full team of Pediatric residents are responsible for these patients. (Competencies Addressed: Patient Care, Medical Knowledge, Practice-Based Learning and Improvement, Interpersonal and Communication Skills, Professionalism, Systems-Based Practice)
2. Attend Child Neurology outpatient clinics at UCSF. The schedule for clinic attendance will be determined by Dr. Foster-Barber on the first day of the rotation, based on the resident's prior exposure and specific interests. If two residents rotate with the service at the same time, each will alternate between two week with the ward team and two weeks in the clinic. (Competencies Addressed: Patient Care, Medical Knowledge, Practice-Based Learning and Improvement, Interpersonal and Communication Skills, Professionalism, Systems-Based Practice)
3. Attend the weekly San Francisco General Child Neurology clinic, and the monthly Natividad Hospital Outreach clinic. (Competencies Addressed: Patient Care,

- Medical Knowledge, Practice-Based Learning and Improvement, Interpersonal and Communication Skills, Professionalism, Systems-Based Practice)
4. Attend and participate in the routine weekly Child Neurology teaching and patient care conferences, including Tuesday AM Neuroradiology conference and Morning Report, Wednesday AM Journal Club, Wednesday PM Clinic Conference, and Thursday PM Neonatology conference. The schedule for journal club participate will be distributed in advance. The resident will be asked to pick a journal club article and communicate with one of the Child Neurology attendings regarding the presentation a week prior to their journal club.
(Competencies Addressed: Patient Care, Medical Knowledge, Practice-Based Learning and Improvement, Interpersonal and Communication Skills, Professionalism, Systems-Based Practice)

Bibliography/Study List: (list 3 – 10 references).

1. Gerald M. Fenichel. Clinical Pediatric Neurology, A Signs and Symptoms Approach. Elsevier/Saunders. 2005. ISBN 1416001697
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4. A. James Barkovich. Pediatric Neuroimaging. 2005. ISBN 0781757665
5. OMIM- Online Mendelian Inheritance in Man, website: <http://www.ncbi.nlm.nih.gov/sites/entrez?db=OMIM>
6. Genetests website: <http://www.genetests.org/>
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