MS3 Pediatric Clerkship
Core Lecture Series – DCH students
Academic Year 2009-10

Orientation Lectures – First day of rotation 0800-1130, Tracy Bumsted, MD
- How to take a pediatric history and perform a pediatric physical examination
- Fluids 101 – maintenance and replacement (very basic, introductory)
- Pediatric feeding basics – breastfeeding, infant formulas, non-infant formulas, conversion of ounces to ml, typical feeding volumes and frequency, kcal requirements
- Pharmacologic issues – how to calculate a drug dosage based on mg/kg and how to write a prescription in the hospital and for discharge

Miller Rounds – Mondays and Tuesdays, 1 hour each x 5 weeks, Mike Miller, MD
- Differential diagnosis based on chief complaint
- General tips for the fledgling pediatric clerk

Chief Resident Rounds – Tuesdays, 1 hour each x 5 weeks
- Presentation tips
- Physical examination findings on ward, PICU, MBU, Hem/onc
- MBU field trip – examination of the newborn
- Evidence-based medicine
- Whirlwind tour of basic pediatric topics (and helpful for shelf exam!)

Core Topics – 1 hour each
- PL-1 CACH – normal child development topic of their choice
- Neurology – Amy Kao, MD: How to do a neurological exam in a pediatric patient, presenting the neuro exam in a pediatric patient, general overview of seizures and seizure classification including febrile seizures
- Pulmonology – Holger Link, MD: examination of the respiratory system; cystic fibrosis over a lifetime
- Cardiology – Cardiology Fellow: prevalence of congenital heart disease; common risk factors that increase CHD; review of fetal circulation and changes at birth; left to right shunt physiology; common cyanotic CHD lesions
- Politics of Infant Mortality – Joe Gilhooly, MD: review neonatal, infant and childhood mortality; ways to decrease deaths through social programs, laws and medical research
- Nephrology – David Rozansky, MD: Chronic kidney disease: interactive, case-based discussion regarding the presentation, etiology, differential diagnosis, treatment and management.
• **Emergency Medicine – Pediatric Emergency Medicine Fellow:** Pediatric Emergency Medicine cases

• **Emergency Medicine – David Spiro, MD:** Pediatric Emergency Medicine Visual Diagnosis

• **Endocrinology – Endo Fellows:** Diabetes Mellitus

• **Hematology – Greg Thomas, MD:** Anemia

• **Oncology – Bill Chang, MD:** Oncology basics – leukemia, lymphoma, brain tumors, Wilm’s tumors and neuroblastomas

• **Normal Newborn Examination – Windy Stevenson, MD:** lecture review of normal newborns

• **Child Abuse – Noelle Gibson, PNP SCAN program:** historical red flags suspicious for abuse; review common physical findings in children who have been abused; review mandatory reporting requirements; educate students about how to report and generally how the “system” works (DHS, LE)

• **Child Psychology – Kurt Freeman, PhD:** “The Well Child Gap.” Common child rearing challenges that often first present in pediatric primary care (sleep difficulties, tantrums, etc.)

• **Child Psychology – Michael Harris, PhD:** “Psychosocial and Behavioral Management of Pediatric Chronic Illness.” Key psychosocial and behavioral issues that impact the child with chronic health conditions, with special attention to non-adherence and techniques that physicians can use to improve behavior change in youth with chronic health conditions.

• **Pediatric Palliative Care – Greg Thomas, MD or Kathy Perko, NP, Bridges Team:** Case based discussion surrounding pediatric palliative care focusing on the developmental approach for children who have life-shortening conditions.