Clerkship Title: PEDIATRIC NEPHROLOGY

Location: LAC+USC Medical Center
            Department of Pediatrics
            Women’s and Children’s Hospital, L911

Credit Level: Selective B or Elective

Course Director: Donna Elliott, M.D., MSEd.
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Length of time: 4 weeks
Dates offered: Variable
Number of students: 2
Visiting students from other US medical schools? Yes
Prerequisites: Core Pediatrics clerkship

Place and time to report on first day: Trailer 7A (adjacent to WCH), 8:30 am

Textbooks/Availability:
    Reading material will be supplied

Learning Objectives – At the conclusion of the clerkship the student should be able to:
1. Perform a focused history and physical examination appropriate for the pediatric nephrology patient.
2. Perform a complete urinalysis including dipstick and microscopic examination and be able to interpret the findings.
3. Demonstrate, by their interaction with chronically ill children and their families, the ability to communicate effectively aiding in data collection and patient evaluation.
4. Demonstrate knowledge of basic principles of renal physiology.
5. Perform an initial work up and formulate a differential diagnosis and management plan for a patient who presents with hematuria, proteinuria, hypertension, acute renal failure or a urinary tract infection.
6. Manage a patient with common fluid and electrolyte derangements.
7. Diagnose, describe the pathophysiology, and initiate management for a patient with nephritic syndrome, acute glomerulonephritis, hemolytic uremic syndrome, Henoch-Schönlein Purpura, renal tubular acidosis and lupus nephritis.
8. List the differential diagnosis, describe the pathophysiology, and initiate management for a patient who presents with chronic renal failure.
9. List the absolute and relative indications for dialysis and the modalities available for treating end-stage renal failure.
10. Describe the pathophysiology of the various renal tubular disorders of childhood.

Course Description:

Instructional methods: 30% supervised patient care
10% attending rounds/ small group discussion
10% lectures
50% independent study

Supervision: 90% faculty
10% resident

Skills Taught:
1. Critical thinking:
   a. Discussion with faculty members regarding patients in the clinical setting and case-based discussion seminars will assess student’s critical thinking skills.
2. Review of medical literature for clinical problem solving:
   a. Evidence-based discussions regarding patient care and selected topics
3. Technical/procedural skills:
   a. n/a

Student Performance/Assessment:
1. How will students be informed of expectations and methods of evaluation?
   a. Students will be given the objectives and requirements on the first day of clerkship.
2. How will students be evaluated on their performance and who will write the evaluation?
   a. The methods of evaluation are direct observation by faculty and faculty evaluation of formal presentation by student at end of clerkship.
3. How will students be given feedback on their performance?
   a. Feedback is given to students on a regular basis as they are observed with patients, write ups are reviewed and presentation are critiqued.