

## PEDIATRIC NEPHROLOGY

**Credit:** All

**Location:** LAC+USC Medical Center  
Department of Pediatrics  
Women's and Children's Hospital, L-943

**Revised:** 02/2009

*Applications will be accepted beginning March 1st of Year III on a first-come, first-serve basis*

**PREREQUISITE:** Pediatric Clerkship

**DURATION:** 4 weeks

**DATES OFFERED:** July; August; October;  
February; March; May

**Rotations scheduled:** by calendar month:

**NUMBER OF STUDENTS:** 2

**VISITING STUDENTS:** Yes

**SUPERVISION:**

90% Faculty

10% Residents

### **COURSE OBJECTIVES:**

Students will be able to:

1. Perform a focused history and physical examination appropriate for the pediatric nephrology patient.
2. Demonstrate knowledge of basic principles of renal physiology.
3. 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.
4. Manage a patient with common fluid and electrolyte derangements.
5. Diagnose, describe the pathophysiology, and initiate management for a patient with nephrotic syndrome, acute glomerulonephritis, hemolytic uremic syndrome, Henoch-Schönlein Purpura, renal tubular acidosis and lupus nephritis.
6. List the differential diagnosis, describe the pathophysiology, and initiate management for a patient who presents with chronic renal failure.
7. List the absolute and relative indications for dialysis and the modalities available for treating end-stage renal failure.
8. Describe the pathophysiology of the various renal tubular disorders of childhood.
9. Demonstrate, by their interaction with chronically ill children and their families, the ability to communicate effectively aiding in data collection and patient evaluation.

### **DESCRIPTION:**

The student will participate as a member of the Pediatric Nephrology Service at Women's & Children's Hospital and will attend outpatient clinics and teaching conferences. The elective will include evaluation and management of children with renal disease.

### **EVALUATION:**

Students will be informed of expectations and methods of evaluation during orientation on the first day of the rotation. Student's performance is assessed by the supervising attending based on their participation in clinical activities, attendance in all assigned clinics/rounds, and their final presentation. Ongoing feedback will be given after each patient encounter.