

Advanced Pediatric Nephrology

PE 260.99

General Information

COURSE CHAIR: Dechu Puliyananda, M.D.

STUDENT COORDINATOR: Calvin Lee

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STUDENTS / PERIOD: max 1

DURATION: 3 weeks

Electives at Cedars-Sinai start in May. Please visit our [VSAS](#) catalog for dates and to submit your application.

Description

The Pediatric Nephrology Center at Cedars-Sinai provides quality programs in teaching, research, and patient care. Students are expected to be knowledgeable in Pediatrics and to have an interest in general nephrology, transplantation immunology, care of children with chronic disease, autoimmunity, renal physiology, dialysis, and areas of renal immunology research.

Course Objectives

1. Obtaining a basic fund of knowledge in the pathophysiology, differential diagnosis, medical management, and current research of pediatric kidney diseases.
2. Obtain a complete history & physical exam from pediatric patients w/ renal disease, Analysis & differential diagnosis of fluid & electrolyte problems, management of acute & chronic renal failure, management of hypertension, glomerulonephritis & renal transplants.
3. Diagnosis and management of both inpatient and outpatient pediatric nephrology problems, including complex ICU cases.
4. Oral presentation of clinical cases.
5. Participation in rounds, clinical conferences, and research conferences.
6. Knowledge of the pharmacology of anti-hypertensive drugs, immunosuppressive agents, drugs used in the management of acute and chronic renal failure, and drug alterations in renal failure.
7. Familiarity with hemodialysis, acute peritoneal dialysis, chronic ambulatory dialysis (CAPD), and continuous venovenous hemoperfusion (CVVH).
8. Basic science foundation in fluid and electrolyte disorders, acute renal failure, chronic renal failure, mechanisms of hypertension, transplant immunology, and immunoregulation.
9. Optional exposure and participation in renal immunology research lab.

Student Experiences

COMMON PROBLEMS/DISEASES

- Acute renal failure
- Obstructive Uropathy
- Hematuria/Proteinuria
- Hypertension
- Systemic lupus erythematosus
- Urinary tract infection
- Acid base and electrolyte imbalance
- Hemolytic-uremic syndrome
- Glomerulonephritis
- Renal transplantation

INPATIENT: 25%

OUTPATIENT: 75%

CONSULTATION: 90%

PRIMARY CARE: 10%

CLOSE CONTACT WITH

- Full-Time Faculty
- Clinical Faculty
- Dialysis Nurses/Transplant Coordinators/Nurses



Advanced Pediatric Nephrology

Typical Schedule

Approx. # of Patients Evaluated/Week by Student	8
Approx. # of Patients Eval./Each Week by Service	30
Typical Monday	7:30 am - Work Rounds 8:00 am - Pediatric Nephrology Clinic 12:00 pm - Peds Conf. 2:00 pm - Inpatient Rounds 3:00 pm - Core Curriculum
Typical Tuesday	7:30 am - Work Rounds 8:00 am - Nephrology Grand Rounds 9:00 am - Inpatient Rounds 1:00 pm - 3:00 pm - Post-Clinic Conf. 3:00 pm - Core Curriculum
Typical Wednesday	7:30 am - Work Rounds 8:30 am - CTC pre-transplant evaluations 10:00 am - Inpatient Rounds 12:00 pm - Peds Conf. 1:00 pm - Peds Neph Clinic
Typical Thursday	7:30 am - Work Rounds 8:00 am - Peds Grand Rds 9:00 am - Inpatient Rds 12:00 pm - Nephrology (peds/adult) Journal Club 1:00 pm – Core Curriculum 2:00 pm – Renal pathology conference
Typical Friday	7:30 am - Work Rounds 8:30 am - Inpatient Rounds 11:00 am – Core Curriculum 12:00 pm - Peds Conf.
On-Call Schedule	No call required - optional
Weekend Activities	No call required - optional
Additional Comments/Special Requirements	NONE