

## 630J Nephrology - Dialysis (Consult)

**This rotation is not accepting international students**

**Course Description:** During the Nephrology elective the students participate in both inpatient and ambulatory settings. The outpatient service takes place in the renal and transplant clinic. During the inpatient portion of the course the students will provide consultation in the areas of renal transplantation, hypertension, fluids and electrolyte disorders, acid-base problems, various renal dysfunctions, dialytic treatments of acute renal failure, end-stage renal failure, and endogenous or exogenous intoxications and interact with all disciplines within the institution to ensure high quality patient care. In addition the student will participate in teaching and work rounds three to five times per week.

**Department:** Internal Medicine, Division of Nephrology

**Prerequisites:** UC Irvine students must have successfully completed the basic science curriculum and successfully completed the Internal Medicine or Pediatrics Clerkships. Extramural students must be in their final year of undergraduate medical education.

**Restrictions:** This rotation is not accepting international students

**Elective Director:** : Yongen Chang, MD, PhD, Professor of Medicine, Department of Medicine, UC Irvine Medical Center, 333 City Boulevard West, City Tower-Suite 400, Orange, CA 92868-3217, (714) 456-5413, [cyongen@uci.edu](mailto:cyongen@uci.edu)

**Instructing Faculty:** Kamyar Kalantar-Zadeh, M.D.M.P.H., Ph.D., Chief, Yongen Chang, M.D.,Ph.D., Wei Ling Lau, M.D., Connie Rhee, M.D., M.S.C., Uttam Reddy, M.D., Ekamol Tantisattamo, M.D.

**Course Website:** None

**Who to Report to on the First Day:** Jillian Meltebarger

**Location to Report on the First Day:** UC Irvine Medical Center, UC Irvine Department of Medicine, 333 City Boulevard West, City Tower-Suite 400, Orange, CA 92868-3217.

**Time to Report on the First Day:** 8:00 am

**Elective Coordinator:** Jillian Meltebarger, Division of Nephrology, UC Irvine Medical Center, UC Irvine Department of Medicine, 333 City Boulevard West, City Tower-Suite 400, Orange, CA 92868-3217, (714) 456-5413, [jmelteba@uci.edu](mailto:jmelteba@uci.edu)

**Site:** UC Irvine Medical Center

**Periods Available:** Throughout the year, except for blackout period.

**Duration:** 2-4 weeks

**Number of Students:** 3

**Scheduling Coordinator:**

**UC Irvine students** must officially enroll for the course by contacting the Scheduling Coordinator via email or phone (714) 456-8462 to make a scheduling appointment.

**Extramural students** enrolled at a U.S. LCME medical school must use VSAS to apply. To apply please refer to this website <https://students-residents.aamc.org/attending-medical-school/electives-andmake-courses/applying-away-electives-vsas/>

**Course Objectives:** At the end of this elective students will:

- Develop an understanding for the pathophysiology and approach to patients with renal abnormalities
- Understand various aspects of fluid and electrolyte management
- Demonstrate skill in managing patients for the chronic hemodialysis and peritoneal dialysis programs
- Demonstrate knowledge and proved consultation in the areas of hypertension, fluids and electrolyte disorders, acid-base problems, various renal dysfunctions, dialytic treatments for acute renal failure, end stage renal failure and endogenous or exogenous intoxication
- Demonstrate professionalism by attending and participating in assigned conferences, lectures and rounds

**Key Topics:**

- Chronic kidney disease
- Fluid, electrolyte and acid base disorders

- Acute renal failure (prerenal, postrenal, and prenal)
- Competencies:
- Diagnosis and management of chronic kidney disease
- Management of fluid/electrolyte disorders
- Diagnosis and management of acute renal failure

**Attitudes and Commitments:**

- Deep sense of responsibility, compassion, thoroughness and logical thinking.

**Educational Activities:** The student will participate in in-patient services and attend teaching and work rounds three to five times a week under close supervision by the nephrology fellow and attending. The student will provide consultation services and interact with all disciplines within the institution. The average number of consultations is one to three per day. Students will participate in the outpatient renal and transplant clinics where they will see eight to twelve patients a day.

**What Students Should do to Prepare for the Rotation:** Review the nephrology section of one of the textbooks of medicine.

**Clinical Responsibilities of the Student:** Under close supervision of fellows and faculty, the student participates in the examination, diagnosis and management of hospitalized and ambulatory patients with renal/electrolyte disorders.

**Patient Care Responsibilities:** Under supervision, the student monitors clinical status, laboratory findings, writes notes and participates in management of patients.

**Call Schedule of the Student:** No night calls are required for students during the nephrology rotation.

**Procedures to be learned by the Student:** Urinalysis, orthostatic blood pressure monitoring, physical examination and history taking pertaining to the patients with nephrology disorders.

**Percentage of Time Student will participate in Ambulatory Setting:** 20%

**Conference/Lecture/Small Group Sessions:** There are no standardized lectures for this rotation.

**Course Hours Weekly Summary:**

3	Conference
5	Clinic

2	Grand Rounds
15	Inpatient
1	Lecture, presentation of case or journal club article
3	Tutorials
6	Ward Rounds
3	Other: reading writing journaling
38	Total