

630J Nephrology-Dialysis

This rotation is not accepting international students

Course Name Nephrology-Dialysis

Course Director Wei Ling Lau, MD

Elective at a Glance		
Available to: [X] UCI MS3 students [X] UCI MS4 students [X] Extramural Students		
Duration: 2-4 weeks	Number of Students: 1	Grading: H / P / F
Periods available: The time of the course must be pre-approved by the elective director at least three months prior to the start of the course. No Exceptions.		

1. Course Director, Coordinator and General Administrative Information

FACULTY AND STAFF

Name	Office Location	Phone	Email
Director: Wei Ling Lau, MD	333 City Blvd W, City Tower-Ste. 400	714-456-5413	wllau@hs.uci.edu
Coordinators: Lidia Alvarez	101 The City Drive City Tower, Suite 400 Orange, CA 92868	714-456-5413	lidiaa2@hs.uci.edu
Stefaney Mendoza-Flores	333 City Blvd W, City Tower-Ste. 400	714-456-5142	stefanem@hs.uci.edu

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 students will participate in teaching and work rounds three to five times per week.

PREREQUISITES

This course is intended for 3rd and 4th-year students enrolled in the undergraduate medical education program at University of California, Irvine School of Medicine (UCISOM).

RESTRICTIONS

This course is intended for 3rd and 4th-year students enrolled in the undergraduate medical education program at University of California, Irvine School of Medicine (UCISOM).

This rotation is not accepting international students.

COURSE DIRECTOR

Dr. Wei Ling Lau is Chief of the Division of Nephrology, with joint appointments in the Department of Medicine and Department of Physiology and Biophysics. Dr. Lau obtained her medical degree from Washington University in St. Louis, Missouri. She completed internal medicine residency at UC Irvine, and a research-focused nephrology fellowship at the University of Washington in Seattle, Washington. She teaches renal physiology to MS1 students at UCI SOM. She is a NIH-funded physician scientist studying the kidney-gut-brain axis in mouse CKD models. Dr. Lau is the medical director of the Fresenius Kidney Care University Dialysis Center of Orange, and serves on the Quality Committee for the American Society of Nephrology.

Lidia Alvarez and Stefaney Mendoza-Flores are the course coordinators for the 630J course. Lidia serves as the coordinator of the Nephrology fellowship program and Stefaney is the administrative assistant for the division.

INFORMATION FOR THE FIRST DAY

Who to Report to on the First Day: Nephrology consult fellow/attending

Location to Report on the First Day: UCI Medical Center, Douglas Hospital, 101 The City Drive South, Orange, CA 928683217

Time to Report on the First Day: 8:00 AM

For non-UCI medical students:

Who to Report to on the First Day: Lidia Alvarez

Location to Report on the First Day: UCI 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

SITE: UC Irvine Medical Center

DURATION: 2-4 weeks

Scheduling Coordinator: UC Irvine students please email comsched@hs.uci.edu 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 the [Visiting Student Learning Opportunities](#) website.

Periods Available

The timing of the course must be pre-approved by the elective director at least three months prior to the start of the course. No exceptions.

NUMBER OF STUDENTS ALLOWED: 1 per rotation block

WHAT STUDENTS SHOULD DO TO PREPARE FOR THE COURSE

Review the nephrology section of one of the textbooks of medicine. Prior to the start of the rotation, review the following articles shared by the Course Coordinator. Articles are also listed in Course Resources.

- AKI (Ann Int Med 2017)
- Dialysis (JAMA 2024)
- Chronic Kidney Disease (Lancet 2021)

COMMUNICATION WITH FACULTY

Questions about logistics, or other questions, comments, or concerns about the course can be directed to the Course Director. Contact information and office location are at the beginning of this document.

The Course Director is also available to meet in person. Please email lidiaa2@hs.uci.edu to arrange an appointment. To ensure that your email will not be lost in the large volume of email received, please use the following convention for the subject line:

SUBJECT: COURSE NAME, your last name, your issue (e.g. 630J, Smith, Request for appointment)

2. Course Objectives and Program Objective Mapping

The following are the learning objectives for the 630J course. Students are expected to demonstrate proficiency in these areas in order to satisfactorily complete the course. In addition, the extent of a student's mastery of these objectives will help guide the course evaluation and grade.

Course Objective	Mapped UCI School of Medicine Program Objective	Sub Competency	Core Competency
Develop an understanding for the pathophysiology and approach to patients with renal abnormalities.	A-2. Knowledge of the pathogenesis of diseases, interventions for effective treatment, and mechanisms of health maintenance to prevent disease	Disease and Pathogenesis and Treatment	Knowledgeable
Understand various aspects of fluid and	B-3. The ability to articulate a cogent, accurate assessment and	Patient Management	Skillful

electrolyte management.	plan, and problem list, using diagnostic clinical reasoning skills in all the major disciplines		
Understand various aspects of fluid and electrolyte management.	B-3. The ability to articulate a cogent, accurate assessment and plan, and problem list, using diagnostic clinical reasoning skills in all the major disciplines	Patient Management	Skillful
Demonstrate skill in managing patients for the chronic hemodialysis and peritoneal dialysis programs.	B-6. The ability to function effectively within the context of complexity and uncertainty in medical car	Patient Management	Skillful
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.	A-3. Knowledge of basic clinical skills required to meet the skills objectives, including interviewing, physical diagnosis, communication, and clinical reasoning processes	Basic Clinical Skills	Knowledgeable
Demonstrate professionalism by attending and participating in assigned conferences, lectures and rounds.	C-1. Honesty and integrity reflecting the standards of the profession, in interacting with colleagues, patients, families and professional organizations	Professionalism	Altruistic

3. Course Resources

TEXTS AND READINGS:

Article	DOI
AKI (Ann Int Med 2017)	10.7326/AITC201711070
Dialysis (JAMA 2024)	10.1001/jama.2024.16338

Chronic Kidney Disease (Lancet 2021)	10.1016/s0140-6736(21)00519-5
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4. Major Exams, Assignments and Grading

MANDATORY SESSIONS

Session Title	Location
Weekly Practiced-Based Learning and Improvement/Renal Grand Rounds, Mondays from 3:30-5:00 pm	333 City Blvd W, Ste 400, Orange, CA 92868 <i>Currently held virtually via Zoom</i> <i>(stefanem@hs.uci.edu can provide link)</i>
Weekly Journal Club/Research/Core Curriculum conference on Wednesdays from 4:30-5:30 pm	333 City Blvd W, Ste 400, Orange, CA 92868 <i>Currently held virtually via Zoom</i> <i>(lidiaa2@hs.uci.edu can provide link)</i>

MAJOR ASSIGNMENTS AND EXAMS

GRADING

Medical Students are graded using the following scale: Honors (H), Pass (P), Fail (F), and Incomplete (I). For further information, please review the Grading Policy.

You have 30 days from the date of the grade to appeal any aspect of this grade. Please contact your Clerkship/course Director should you have any questions

Requirements for “Pass”:

To receive a grade of Pass, students must demonstrate successful performance in all the following areas:

- Knowledge
- Patient Care
- Practice-Based Learning
- Interpersonal & Communication Skills
- Professionalism
- Systems-Based Practice

Requirements for “Honors”:

To receive a grade of Honors, students must demonstrate exceptional performance all the following areas:

- Knowledge
- Patient Care
- Practice-Based Learning
- Interpersonal & Communication Skills
- Professionalism
- Systems-Based Practice

Grounds for “Incomplete”: You will not be issued a grade until all elements of the course have been completed.

REMEDIATION

Remediation, if needed, will be designed by the Course Director to suit the issue at hand.

Grounds for “Fail”: You will receive a grade of "Fail" if the requirements for passing the course have not been met. Please refer to the [Grading Policy](#) for the impact of the "Fail" grade to the transcript.