



**Friday, June 7, 2024**  
**USC Health Sciences Campus**  
**Aresty Conference Center**  
Live Conference  
7:00 am - 4:40 pm

**8<sup>th</sup> Annual Southern California**  
**Kidney Symposium:**  
**Role of Obesity and Metabolic**  
**Dysregulation in Kidney Disease**

# Keck School of Medicine of **USC**

*Presented By:*

*USC Department of Medicine, Division of Nephrology & Hypertension  
and USC Office of Continuing Medical Education*



# PROGRAM AGENDA

- 7:00 am **Live Registration and Continental Breakfast**
- 7:50 am **Welcome and Overview**  
*Kenneth R. Hallows, MD, PhD*
- Session I: Metabolic Dysregulation in Glomerular and Diabetic Kidney Disease**  
*Moderator: Kenneth R. Hallows, MD, PhD*
- 8:00 am **Fasting-Mimicking Diet Induces Podocyte Reprogramming and Restores Renal Function in Glomerulopathy**  
*Laura Perin, PhD*
- 8:30 am **Adenine as a Mediator and Predictor of Diabetic Kidney Disease**  
*Kumar Sharma, MD*
- 9:00 am **Role of Abnormal Lactate Metabolism in Diabetic Kidney Disease**  
*Thomas Coffman, MD*
- 9:30 am **Break**
- Session II: Obesity and Metabolic Dysfunction in Chronic Kidney Diseases**  
*Moderator: Sapna Shah, MD*
- 9:45 am **Pathophysiologic Roles of Obesity in CKD**  
*Csaba P. Kovesdy, MD*
- 10:15 am **Dietary and Other Therapies to Target Dysregulated Metabolism in Polycystic Kidney Disease**  
*Núria M. Pastor-Soler, MD, PhD*
- 10:45 am **SGLT2 Inhibitor Effects on Metabolism and Kidney Function in CKD**  
*Volker Vallon, MD*
- 11:15 am **Incretin-Based Therapy and Nutritional Management of Obesity in People with CKD**  
*Alyssa Lampe Dominguez, MD*
- 11:45 am **Panel Discussion**
- 12:00 pm **Lunch**

## **Session III: Obesity in Advanced CKD and End-Stage Kidney Disease**

*Moderator: Santhi Voora, MD*

- 1:00 pm **Assessing Kidney Function in Individuals with Obesity**  
*Alex Chang, MD, MS*
- 1:30 pm **Impact of Obesity in Chronic Kidney Disease and End-Stage Kidney Disease**  
*Connie M. Rhee, MD, MSc*
- 2:00 pm **Choice of Dialysis Modality and Outcomes in Obese ESKD Patients**  
*Arshia Ghaffari, DO, MBA*
- 2:30 pm **Break**

## **Session IV: Obesity Management in Kidney Transplantation**

*Moderator: Miroslaw Smogorzewski, MD, PhD*

- 2:45 pm **Impact of Obesity and Metabolic Syndrome in Living Kidney Donors**  
*Thin Thin Maw, MD*
- 3:15 pm **Obesity and Diabetes Management in Post-Transplant Patients**  
*Neeraj Sharma, MD, PhD*
- 3:45 pm **Surgical Considerations in Obese Patients Undergoing Donor Nephrectomy and Transplantation**  
*Jim Kim, MD*
- 4:15 pm **Panel Discussion**
- 4:30 pm **Closing Remarks**  
*Kenneth R. Hallows, MD, PhD*
- 4:40 pm **Adjourn**

### **ACKNOWLEDGEMENT**

*The USC Department of Medicine/Division of Nephrology and Hypertension is grateful to the University Kidney Research Organization (UKRO) for their support of this symposium.*

# FACULTY

## PROGRAM ORGANIZING COMMITTEE

Keck School of Medicine of USC

### **Kenneth R. Hallows, MD, PhD**

Course Director  
Professor of Medicine  
Chief, Division of Nephrology and Hypertension  
Director, USC/UKRO Kidney Research Center

### **Alyssa Lampe Dominguez, MD**

Clinical Assistant Professor of Medicine  
(Clinician Educator)  
Division of Endocrinology & Diabetes

### **Arshia Ghaffari, DO, MBA**

Associate Professor of Medicine  
(Clinician Educator)  
Director, USC+DaVita Dialysis Center  
Associate Chief, Director of Dialysis Services  
Division of Nephrology and Hypertension

### **Susan Gurley, MD, PhD**

Visiting Professor of Medicine  
Chair of the Department of Medicine

### **Jim Kim, MD**

Associate Professor of Surgery  
Director, Kidney & Pancreas Transplantation  
Division of HPB and Abdominal Transplant Surgery  
Department of Surgery

### **Thin Thin Maw, MD**

Associate Professor of Medicine  
(Clinician Educator)  
Medical Director of Kidney and Pancreas  
Transplantation  
Division of Nephrology and Hypertension

### **Núria M. Pastor-Soler, MD, PhD**

Associate Professor of Medicine  
Associate Vice Chair for Faculty Development  
Division of Nephrology and Hypertension

### **Laura Perin, PhD**

Associate Professor of Urology  
Vice Chair of Research, Surgery at CHLA  
Children's Hospital of Los Angeles  
Los Angeles, CA

### **Sapna Shah, MD**

Clinical Assistant Professor of Medicine  
(Clinician Educator)  
Division of Nephrology and Hypertension

### **Neeraj Sharma, MD**

Assistant Professor of Medicine  
(Clinician Educator)  
Associate Program Director for the  
Nephrology Fellowship  
Division of Nephrology and Hypertension

### **Miroslaw Smogorzewski, MD, PhD**

Associate Professor of Medicine  
Associate Chief, Director of Clinical Services  
Division of Nephrology and Hypertension

### **Santhi Voora, MD**

Assistant Professor of Medicine  
(Clinician Educator)  
Co-Medical Director of Live Donor Kidney Transplant  
Program  
Division of Nephrology and Hypertension

## GUEST FACULTY

### **Alex Chang, MD, MS**

Nephrology  
Geisinger Medical Center  
Danville, PA

### **Thomas Coffman, MD**

Dean, Duke-NUS Medical School  
James R. Clapp Professor of Medicine  
Department of Medicine  
Duke University School of Medicine  
Durham, NC

### **Csaba P. Kovesdy, MD, FASN**

Fred Hatch Professor of Medicine  
The University of Tennessee Health Science Center  
Division of Nephrology  
Memphis, TN

### **Connie M. Rhee, MD, MSc**

Section Chief of Nephrology  
VA Greater Los Angeles Healthcare System  
Professor of Medicine  
Department of Medicine  
David Geffen School of Medicine at UCLA  
Los Angeles, CA

### **Kumar Sharma, MD, FAHA, FASN**

Chief of the Division of Nephrology  
Vice Chair for Research  
Department of Medicine  
Hillis Chair and Vice Chair of Research  
Director of Center for Renal Precision Medicine  
UT Health San Antonio  
San Antonio, TX

### **Volker Vallon, MD**

Professor of Medicine and Pharmacology  
Departments of Medicine and Pharmacology  
Division of Nephrology-Hypertension  
UC San Diego & VASDHCS  
La Jolla, CA

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## COURSE DESCRIPTION

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This is the eighth annual Southern California Kidney Symposium with the theme "Role of Obesity and Metabolic Dysregulation in Kidney Disease." Invited faculty from USC and several other U.S. academic institutions will present in a live format before an audience of clinical and research faculty and trainees. New clinical and research findings will be presented on topics in several broad areas, including: metabolic dysregulation in glomerular and diabetic kidney disease, obesity and metabolic dysfunction in chronic kidney diseases, obesity in advanced CKD and end-stage kidney disease, and obesity management in kidney transplantation.

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## COURSE OBJECTIVES

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By the end of the course, participants will be able to:

- Discuss the role of new dietary interventions in the management of glomerular and polycystic kidney diseases.
- Outline the roles of abnormal metabolites and metabolism as mediators and predictors of diabetic and polycystic kidney disease.
- Evaluate and discuss the roles and mechanisms of new blockbuster drugs in the management of obesity in CKD patients.
- Outline methods for accurate kidney functional assessment in obese individuals.
- Discuss the pathophysiological roles and impact of obesity in patients with CKD and ESKD.
- Outline factors impacting the choice of dialysis modality and outcomes in obese ESKD patients.
- Discuss surgical considerations in obese patients undergoing donor nephrectomy and transplantation.

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## TARGET AUDIENCE

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This course is intended for physicians, physician trainees (Fellows, Residents, Medical Students), nurses and advanced practice providers, graduate students, post-baccalaureate, post-doctoral fellows and undergraduate students interested in kidney disease and new trends in replacing kidney function.

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## ACCREDITATION STATEMENT

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The Keck School of Medicine of the University of Southern California is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

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## CREDIT DESIGNATION

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The Keck School of Medicine of the University of Southern California designates this live activity for a maximum of 7.50 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The following may apply *AMA PRA Category 1 Credit(s)™* for license renewal: Registered Nurses may report up to 7.50 credit hour(s) toward the CME requirements for license renewal by their state Board of Registered Nurses (BRN). CME may be noted on the license renewal application in lieu of a BRN provider number.

Physician Assistants: The National Commission on Certification of Physician Assistants states that *AMA PRA Category 1 Credits™* accredited courses are acceptable CME requirements for recertification.

# REGISTRATION

## Live Tuition:

Early-bird price for live registration ends June 3, 2024 at 12:00 pm, PDT.

After June 3, 2024: Please register on-site on June 7.

## Tuition:

	Early-Bird	After June 3
MD/DO	<input type="checkbox"/> \$125	<input type="checkbox"/> \$150
NP/PA/APP	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125
RN/AH	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125

Fellows, residents and students are complimentary.

## Cancellation:

Cancellations must be received by the USC Office of CME (fax or email) by June 3, 2024, 12:00 pm PDT for a refund. A \$50 cancellation fee will be applied. In the event of course cancellation by conference organizers, all registration fees will be fully refunded. USC will not refund any travel costs incurred.

## Location:

Catherine and Joseph Aresty Conference Center, in the lower ground level of the Harlyne J. Norris Cancer Research Tower on the USC Health Sciences Campus 1450 Biggy Street, Los Angeles, CA 90033

## Parking:

\$20 at Biggy Parking Structure (P8): 1334 Biggy Street, Los Angeles, CA 90033

## Register:

**Mail:** 1540 Alcazar Street, CHP 223, Los Angeles, CA 90033  
Mail-in registration must be postmarked by June 3, 2024.

**Online:** [keckusc.cloud-cme.com/kidney2024](https://keckusc.cloud-cme.com/kidney2024) **Mastercard or Visa only**

**Phone:** (323) 442-2555 | **Fax:** (323) 442-3734 **AMEX, Mastercard, Visa**

**Email:** [usccme@usc.edu](mailto:usccme@usc.edu)

**On-site:** **Live registration:** Available June 7, 7:00 am, Aresty Conference Center

NAME \_\_\_\_\_ DEGREE \_\_\_\_\_

MEDICAL LICENSE NUMBER \_\_\_\_\_

TELEPHONE \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SPECIALTY \_\_\_\_\_

EMAIL ADDRESS\* \_\_\_\_\_

INSTITUTIONAL AFFILIATION \_\_\_\_\_

\*Registration confirmation and event reminder will be emailed.

## METHOD OF PAYMENT:

No cash payment accepted.

Check (Check payable to USC. Check payment must be postmarked by June 3, 2024)

Credit Card (American Express by Fax or Phone, Mastercard or Visa by Fax or Online)

CREDIT CARD NUMBER \_\_\_\_\_

EXPIRATION DATE \_\_\_\_\_ SECURITY CODE \_\_\_\_\_

AUTHORIZED SIGNER \_\_\_\_\_ AMOUNT \$ \_\_\_\_\_



COURSES ARE SUBJECT TO CANCELLATION.

# Keck School of Medicine of USC

Office of Continuing Medical Education  
1540 Alcazar Street, CHP 223  
Los Angeles, CA 90033

Non-Profit  
U.S. Postage  
PAID  
University  
of Southern  
California



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