



**Friday, June 9, 2023**  
**Aresty Conference Center**  
Hybrid Conference  
7:15 am - 4:40 pm

**7<sup>th</sup> Annual Southern California  
Kidney Symposium:  
New Trends and Innovations in  
Kidney Replacement Therapies**

**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

- 7:15 am **Live Registration and Continental Breakfast**
- 8:00 am **Virtual Login Begins**
- 8:20 am **Welcome and Overview**  
*Kenneth R. Hallows, MD, PhD*
- Session I: Latest Clinical Considerations and Trends in Dialysis**  
*Moderator: Miroslaw Smogorzewski, MD, PhD*
- 8:30 am **Incremental Dialysis and Conservative Care Options for Advanced CKD Patients**  
*Kamyar Kalantar, MD, MPH, PhD*
- 9:00 am **Optimizing Home Hemodialysis**  
*Brent W. Miller, MD*
- 9:30 am **Urgent Start Peritoneal Dialysis**  
*Arshia Ghaffari, DO*
- 10:00 am **Peritoneal Dialysis for Non-Traditional Indications**  
*Jeffrey Perl, MD*
- 10:30 am **Break**
- Session II: Transitions Between Dialysis and Transplantation**  
*Moderator: Arshia Ghaffari, DO*
- 10:45 am **Navigating the Transition Between Dialysis and Transplantation**  
*Neeraj Sharma, MD*
- 11:15 am **Considerations for Selecting Dialysis Modality Post-Kidney Transplant Failure**  
*Rajnish Mehrotra, MD, MS*
- 11:45 am **Panel Discussion**
- 12:00 pm **Lunch**

## **Session III: Updates on Inpatient Kidney Functional Assessment and Replacement Therapies**

*Moderator: Santhi Voora, MD*

- 1:00 pm **Refining Assessment of Volume Status and Kidney Function in the ICU**  
*Fadi A. Tohme, MD*
- 1:30 pm **Trends in Continuous and Prolonged Intermittent Renal Replacement Therapies**  
*Anitha Vijayan, MD*
- 2:00 pm **Novel Targets for Blood Purification: Pathogens, Endotoxin, Neutrophils, Oh My!**  
*Kevin K. Chung, MD*
- 2:30 pm **Break**
- Session IV: Novel CKD Therapies and Kidney Replacement Options**  
*Moderators: Núria M. Pastor-Soler, MD, PhD*
- 2:45 pm **Towards the Development of a Totally Artificial Kidney**  
*Ira Kurtz, MD*
- 3:15 pm **Latest Updates in Kidney Xenotransplantation**  
*Babak Orandi, MD, PhD, MSc*
- 3:45 pm **Autologous Cell Therapy for Chronic Kidney Disease: Investigative Trials Update for Treatment of Type 2 DKD**  
*Joseph Stavas, 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.*

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# FACULTY

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## 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

#### **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

#### **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

#### **Neeraj Sharma, MD**

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

#### **Mirosław Smogorzewski, MD, PhD**

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

#### **Fadi Tohme, MD**

Assistant Professor of Medicine  
(Clinician Educator)  
Division of Nephrology and Hypertension  
Division of Pulmonary, Critical Care and  
Sleep Medicine

#### **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

#### **Kevin K. Chung, MD, FCCM, MACP**

Chief Medical Officer  
SeaStar Medical  
McLean, VA

#### **Kamyar Kalantar, MD, MPH, PhD**

Chief, Division of Nephrology and Hypertension  
Vice Chair for Research, Department of Medicine  
Harbor-UCLA Medical Center  
Professor of Medicine and Academic Senate  
Chair, Nephrology Workgroup,  
LA County Department of Health Services  
UCLA David Geffen School of Medicine  
Los Angeles, CA

#### **Ira Kurtz, MD, FRCP, FASN**

Distinguished Professor of Medicine  
Chief of the Division of Nephrology  
Factor Chair  
UCLA David Geffen School of Medicine  
Los Angeles, CA

#### **Rajnish Mehrotra, MD, MS**

Professor of Medicine  
Division Head, Belding H. Scribner  
Endowed Chair in Medicine  
University of Washington  
Seattle, WA

#### **Brent W. Miller, MD**

Michael A. Kraus Home Dialysis  
Professor of Nephrology  
Division of Nephrology  
Indiana University School of Medicine  
Indianapolis, IN

#### **Babak Orandi, MD, PhD, MSC**

Assistant Professor of Surgery  
University of Alabama at Birmingham  
Obesity Medicine Fellow, Weill Cornell Medicine  
Birmingham, AL

#### **Jeffrey Perl, MD, FRCP, SM**

Associate Professor of Medicine  
Division of Nephrology  
St. Michael's Hospital  
University of Toronto  
Toronto, Canada

#### **Joseph Stavas, MD, MPH**

Senior Vice President, Head of Global Clinical  
Development and Interventional Procedures  
ProKidney  
Winston-Salem, NC

#### **Anitha Vijayan, MD, FASN**

Professor of Medicine  
Division of Nephrology  
Washington University School of Medicine  
St. Louis, MO

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## COURSE DESCRIPTION

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This is the seventh annual Southern California Kidney Symposium with the theme "New Trends and Innovations in Kidney Replacement Therapies." Invited faculty from USC and several other North American academic institutions will present in a hybrid format, either in person or virtually through the Whova platform, 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: the latest clinical considerations and trends in dialysis; transitions between dialysis and transplantation; updates on inpatient kidney functional assessment and replacement therapies; and novel CKD therapies and kidney replacement options.

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## COURSE OBJECTIVES

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

- Discuss incremental dialysis and conservative care options for advanced CKD patients.
- Evaluate and explain the features and relative advantages, disadvantages and indications of various home dialysis modalities for end-stage kidney disease patients.
- Outline important considerations for patients transitioning between dialysis and transplantation and the dialysis modality choice for patients with a failing kidney transplant.
- Discuss important trends in kidney functional assessment and kidney replacement therapies in critically ill patients.
- Identify the uses, indications and limitations of new diagnostic and therapeutic approaches to kidney transplant induction and rejection.
- Outline novel emerging chronic kidney disease therapies and kidney replacement options.

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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 *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 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 FORM**

**7<sup>th</sup> Annual Southern California Kidney Symposium: New Trends and Innovations in Kidney Replacement Therapies- Hybrid Conference, June 9, 2023**

**Live or Virtual** Early bird registration closes June 6, 2023 at 9:00 am PDT.

**Tuition:** Choose one:  Live Attendance  Virtual Attendance

\$125 MD/DO

\$100 NP/PA/APP or RN/AH

Complimentary: Students, Residents, Fellows

**Cancellation:** Cancellations must be received by the USC Office of CME (fax or email) by June 6, 2023, 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 6, 2023.  
**Online:** [keckusc.cloud-cme.com/kidney2023](http://keckusc.cloud-cme.com/kidney2023) **Mastercard or Visa only**  
**Phone:** (323) 442-2555 | **Fax:** 1 (888) 665-8650 **AMEX, Mastercard, Visa**  
**Email:** [usceme@usc.edu](mailto:usceme@usc.edu)  
**On-site:** **Live registration:** Available June 9, 7:15 am, Aresty Conference Center  
**Virtual registration:** Available until 9:00 am on June 9.  
Mastercard or Visa: [keckusc.cloud-cme.com/kidney2023](http://keckusc.cloud-cme.com/kidney2023)

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 6, 2023)

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



## **7<sup>th</sup> Annual Southern California Kidney Symposium: New Trends and Innovations in Kidney Replacement Therapies**

**June 9, 2023**

Hybrid Conference

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on the USC Health Sciences Campus  
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Non-Profit  
U.S. Postage  
PAID  
University  
of Southern  
California