Southern California Kidney Symposium: Slowing the Progression of Kidney Disease: From Bench to Bedside

December 9, 2016
USC Health Sciences Campus
Aresty Conference Center
1450 Biggy Street
Los Angeles, CA 90089

Presented by:
USC Department of Medicine/Division of Nephrology and Hypertension
USC Office of Continuing Medical Education

Keck School of Medicine of USC
This is the first annual Southern California Kidney Symposium with the theme “Slowing the Progression of Kidney Disease: from Bench to Bedside.” Invited faculty from several Southern California academic institutions will present new clinical and research findings on topics in several broad areas: glomerular diseases, cystic and interstitial diseases, hypertension, diabetic kidney disease, and other emerging areas before an audience of clinical and research faculty and trainees.

Participants will be able to attain and integrate new, practical information and knowledge into their clinical practices to improve patient care and patient outcomes.

**TARGET AUDIENCE**

This course is intended for practicing nephrologists, internists, family medicine physicians, generalist physicians, and allied health personnel who care for adults and who seek to enhance their understanding of internal medicine and nephrology and available treatment options to optimize the management of their patients. In addition, this course will appeal to research faculty, fellows and trainees with an interest in important emerging research areas of kidney disease and hypertension.

**PROGRAM**

7:00 am  **Registration and Continental Breakfast**
7:50 am  **Welcome**

**Session 1: Glomerular Diseases**

*Moderator: Hui Yi Shan, MD*

8:00 am  **Newly Emerging Root Cause of Glomerular Diseases**  
Janos Peti-Peterdi, MD, PhD

8:20 am  **Update on Therapies for IgA Nephropathy and Membranous Nephropathy**  
Richard Glassock, MD

8:40 am  **Structural Predictors of Loss of Renal Function in Glomerular Disease**  
Kevin Lemley, MD, PhD

9:00 am  **Glomerular Regeneration and Glomerular Cells Crosstalk**  
Laura Perin, PhD

9:20 am  **Break**

**Session 2: Hypertension**

*Moderator: Vito Campese, MD*

9:40 am  **Definition, Goals, Ambulatory vs. Office Blood Pressure**  
Joel Handler, MD

10:00 am  **Consequences of High Salt Diets: Importance of the Dietary Sodium to Potassium Ratio for Blood Pressure Regulation**  
Alicia McDonough, PhD

10:20 am  **HTN Management in Special Populations: AA, Elderly, Diabetic CKD**  
Ron Victor, MD

10:40 am  **Diagnosis, Pharmacologic and Device Management of Resistant Hypertension**  
Mitra K. Nadim, MD
11:00 am  Break

**Session 3: Cystic and Interstitial Disease**
*Moderator: Miroslaw Smogorzewski, MD*

11:20 am  **Pathogenesis of Autosomal Dominant Polycystic Kidney Disease**
*Thomas Weimbs, PhD*

11:40 am  **Metabolomic Biomarkers and Metformin in ADPKD-TAME Trial**
*Kenneth Hallows, MD, PhD*

12:00 pm  **Meso-American Nephropathy**
*Vito Campese, MD*

12:20 pm  **Panel Discussion**

12:45 pm  Lunch

**Session 4: Diabetic Kidney Disease**
*Moderator: Gbemisola Adenuga, MD*

1:30 pm  **Epigenetics and MicroRNAs in Diabetic Nephropathy**
*Rama Natarajan, PhD*

1:50 pm  **Strategies for Glycemic Control in Type 2 DM Patients with CKD**
*Sharon Adler, MD*

2:10 pm  **Metabolomics in Diabetic Nephropathy**
*Kumar Sharma, MD*

2:30 pm  **Role of K+-Reducing Agents and RAAS Blockade in Patients with Proteinuric CKD**
*Arshia Ghaflari, DO*

2:50 pm  **Panel Discussion**

3:10 pm  Break

**Session 5: Other Emerging Areas**
*Moderator: Kenneth Hallows, MD, PhD*

3:30 pm  **Promise of Regenerative Medicine in Acute Kidney Injury**
*Sanjeeo Kumar, MD, PhD*

3:50 pm  **A BioBank Analysis of the Transition from Acute Kidney Injury to Chronic Kidney Disease**
*Andrew McMahon, PhD*

4:10 pm  **Acidosis and Metabolism in CKD**
*Nuria Pastor-Soler, MD, PhD*

4:30 pm  **Importance of the Gut Microbiome in CKD**
*Nosratola Vaziri, MD*

4:50 pm  **Panel Discussion and Closing Remarks**

5:10 pm  Adjourn

**ACKNOWLEDGEMENT**
The USC Department of Medicine/Division of Nephrology and Hypertension is grateful to the Manfred Mosk Foundation for an educational grant in support of the symposium. A special recognition to UKRO for all their support of this symposium.
COURSE FACULTY

COURSE DIRECTOR
Kenneth Hallows, MD, PhD
Professor of Medicine
Director of the USC/UKRO Kidney Research Center
Chief, Division of Nephrology and Hypertension
Keck School of Medicine of USC

ORGANIZING COMMITTEE
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Physiology and Biophysics
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Co-Founder and Director, NanoGB13, Inc.

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Keck School of Medicine of USC

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Harbor-UCLA Medical Center

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David Geffen School of Medicine at UCLA
Los Angeles, CA

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Kaiser Permanente, Southern California

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Cedars Sinai Medical Center

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Diabetes & Metabolism Research Institute and Beckman Research Institute of City of Hope
Duarte, CA

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Division of Nephrology-Hypertension
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San Diego, CA

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Professor of Medicine, Physiology and Biophysics
School of Medicine
Division of Nephrology and Hypertension
UC Irvine
Irvine, CA

Ron Victor, MD
Professor of Medicine
Burns and Allen Chair in Cardiology Research
Director, Cedars-Sinai Hypertension Center
Associate Director, Cedars-Sinai Heart Institute
COURSE OBJECTIVES

At the conclusion of the program the participant should be able to:

- Outline and discuss the latest strategies for treating various glomerular diseases (e.g., IgA nephropathy, focal segmental glomerulosclerosis, membranous nephropathy and membranoproliferative glomerulonephritis) and demonstrate an understanding of the research evidence underpinning them.

- Assess the role of new SGLT2 inhibitors (flozins) and potassium-reducing agents in the management of diabetes and identify and discuss important considerations on their use in patients with underlying kidney disease.

- Discuss and assess the emerging role of metabolomic and other biomarkers in the diagnosis, evaluation and management of patients with various kidney diseases.

- Outline the current recommended goals for the treatment of hypertension in various patient populations and discuss how to diagnose and manage resistant hypertension.

- Demonstrate an understanding of the importance of dietary factors in modifying hypertension and the progression of kidney disease.

- Examine the potential of new promising strategies in regenerative medicine for the treatment of kidney disease.
REGISTRATION INFORMATION

Conference 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 90089

Tuition
Early bird registration closes December 5, 2016 at noon PST.
Complimentary for USC Physicians, USC Allied Health Professionals, USC students, residents, clinical fellows and postdoctoral fellows. Must be formally registered for the course before December 5 and present USC badge upon check-in on December 9 to receive complimentary tuition.
$75 for non-USC Physicians or non-USC Allied Health Professionals

After December 5, 2016, noon PST please register onsite at the Aresty Conference Center on the USC Health Sciences Campus.
$100 for non-USC Physicians or non-USC Allied Health Professionals

Register for Course
Mail completed registration form and payment to:
Office of CME, 1540 Alcazar Street, CHP 223, Los Angeles, California, 90033
Online: www.usc.edu/cme, Go to “Quick Links,” and click on Conference Calendar.
Phone: (323) 442-2555 or Toll-Free: 1 (800) USC-1119
Email: usccme@usc.edu
Fax: 1 (888) 665-8650
On site: Aresty Conference Center, 1450 Biggy Street, Los Angeles, CA 90089

Accreditation Statement
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

Credit Designation
The Keck School of Medicine of the University of Southern California designates this live activity for a maximum of 7.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Provider approved by the California Board of Registered Nursing, Provider Number CEP00105 for 7.75 contact hours.
REGISTRATION FORM

Southern California Kidney Symposium: Slowing the Progression of Kidney Disease: From Bench to Bedside on the USC Health Sciences Campus, Aresty Conference Center, Los Angeles: December 9, 2016

NAME ____________________________ __________________________________________

DEGREE ___________________________ MEDICAL LICENSE# ______________________

TELEPHONE _________________________ FAX ________________________________

ADDRESS ___________________________ ________________________________

CITY ______________________________ STATE ______________________________

ZIP CODE __________________________ SPECIALTY ____________________________

EMAIL ADDRESS* ____________________ ________________________________

INSTITUTIONAL AFFILIATION ______________________________

SPECIAL DIETARY OR PHYSICAL NEEDS ______________________________________

* Correspondence and confirmations are sent by email.

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☐ Credit Card (Visa or Mastercard only)

☐ Check (Payable to USC)

Visa/Mastercard # ____________________________ ____________________________

Expiration Date _____________ Three digit security code on back of card ______

Authorized Signature ____________________________ Amount $ ____________

CANCELLATION POLICY:

Registration cancellations must be received by the USC Office of CME (fax or email) by December 5, 2016, 12:00 pm PST for a refund of tuition to be issued. A $25 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.
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