



THE
DIALYSIS
ODYSSEY

Monday, October 2, 2023

Guggenheim Pavilion Atrium and Hatch Auditorium

9 – 5pm, 1468 Madison Avenue, New York, NY 10029

Course Directors: Jaime Uribarri, MD | John Cijiang He, MD, PhD

Moderator: Jaime Uribarri, MD

Directly provided by:

Barbara T. Murphy Division of Nephrology
Samuel F. Bronfman Department of Medicine
Icahn School of Medicine at Mount Sinai

With the collaboration of: National Kidney Foundation



**Icahn
School of
Medicine at
Mount
Sinai**

THE DIALYSIS ODYSSEY

Course Description



This is a one-day, in-person conference sponsored by the Icahn School of Medicine at Mount Sinai. Join this celebration of 75 years of hemodialysis in the United States and journey to the past, celebrate the present, and chart the future of hemodialysis. The Dialysis Odyssey will occur Monday, October 2, 2023. Expert clinicians and researchers in the field of kidney disease will discuss a variety of topics on the history, evolving ethics, developing treatments, and future of dialysis. Both researchers and clinicians will find sessions of interest to them.

Learning Objectives

By the end of this activity, participants will be able to:

- Be informed by a review of the history of the ESRD program from its inception in 1972 to its current form.
- Summarize the developments in kidney replacement therapies over the last 75 years and their impact on patient care and outcomes.
- Recognize the challenges associated with the ongoing transition to value-based payment and its impact on access and quality of care.
- Identify challenges in delivering kidney replacement therapy in 2023, and review advances as well as limitations of current interventions and the therapies of tomorrow.
- Discuss current and future trends in the management of patients requiring renal replacement therapy.

Target Audience

This activity has been designed for nephrologists, internists, PCPs, clinician-scientists, researchers, nephrology nurses, technicians, and other allied health care clinicians caring for patients with kidney disorders.

Continued

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Course Description



Registration Fees

In-Person Attendance

Physicians: **\$75**

Allied Health

Professionals: **\$50**

Residents/Fellows: **\$25***

Online Registration

<https://mssm.cloud-cme.com/HD>

Meeting Location

Guggenheim Pavilion Atrium
and Hatch Auditorium

Icahn School of Medicine
at Mount Sinai

1468 Madison Avenue
New York, New York 10029

**Click here for parking
information and directions**

<https://www.mountsinai.org/locations/mount-sinai/your-visit/locations>

Accreditation

The Icahn School of Medicine at Mount Sinai is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation

Icahn Mount Sinai designates this live activity for a maximum of 3.50 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

*Complimentary Registration

Mount Sinai Health System (MSHS) residents and fellows must email cme@mssm.edu with a copy of their hospital ID to receive a complimentary online registration code. MSHS residency and fellowship will be verified.

Verification of Attendance

Verification of attendance will be provided to all professionals.

Faculty Disclosure

It is the policy of Icahn School of Medicine at Mount Sinai to ensure objectivity, balance, independence, transparency, and scientific rigor in all CME-accredited educational activities. All faculty participating in the planning or implementation of an activity accredited by Icahn Mount Sinai are expected to disclose all of their financial relationships with ineligible companies existing within the prior 24 months.

Relevant financial relationships will be mitigated and disclosed to learners before the activity takes place. Presenters must also make a meaningful disclosure to the audience of their discussion of unlabeled or unapproved drugs or devices. This information will be available as part of the course material.

THE **DIALYSIS** **ODYSSEY** Program

9 – 11:30 AM	The Dialysis Odyssey Exhibits Guggenheim Pavilion Atrium
11:30 AM – 5 PM	The Dialysis Odyssey Symposium Hatch Auditorium <i>Moderator:</i> Jaime Uribarri, MD [Mount Sinai]
11:30 – 11:40 AM	Opening Remarks David L. Reich, MD [Mount Sinai]
11:40 – 11:50 AM	Opening Remarks Monica Kraft, MD [Mount Sinai]
11:50 AM – 12 PM	Introduction John Cijiang He, MD, PhD [Mount Sinai]
12 – 12:30 PM	Dialysis at Mount Sinai in the 1980s Juan P. Bosch, MD [George Washington University School of Medicine & Health Sciences]
12:30 – 1 PM	50 Years of a National Program for the Treatment of Kidney Failure Kevin Erickson, MD, MS [Baylor College of Medicine]
1 – 2 PM	Lunch Break
2 – 2:30 PM	The Evolving Ethics of Dialysis in the USA Catherine R. Butler, MD, MA [University of Washington]
2:30 – 3 PM	What Had Happened in HD over the Past 75 Years Jay B. Wish, MD [Indiana University]
3 – 3:30 PM	Coffee Break
3:30 – 4:30 PM	Panel Discussion: Future of Dialysis Moderator: Shuchita Sharma, MD [Mount Sinai] Michael V. Rocco, MD, MSCE [Wake Forest University] Alfred Cheung, MD [University of Utah] Kimberly Davis, RN, BSN [Rogosin Institute]
4:30 – 5 PM	Q & A Session
5 PM	Closing Remarks Jaime Uribarri, MD [Mount Sinai]

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Invited Faculty



Juan P. Bosch, MD

Professor of Medicine with Tenure
George Washington School of
Medicine and Health Sciences
Washington, DC



Kevin Erickson, MD, MS

Associate Professor of Medicine
Nephrology
Baylor College of Medicine
Houston, TX



Catherine R. Butler, MD, MA

Assistant Professor of Medicine
Nephrology
University of Washington
Seattle, WA



Jay B. Wish, MD

Professor of Clinical Medicine
Indiana University School of Medicine
Chief Medical Officer
Outpatient Dialysis
Indiana University Health
Indianapolis, IN



Michael V. Rocco, MD, MSCE

Vardaman M. Buckalew Jr. Chair
of Medicine
Nephrology
Wake Forest University School
of Medicine
Winston-Salem, NC



Alfred Cheung, MD

Endowed Professor of Medicine
Chief, Division of Nephrology
& Hypertension
Vice Chair of Medicine, Research
University of Utah
Salt Lake City, UT



Kimberly Davis, RN, BSN

Director
Home Therapies Operations
Rogosin Institute
New York, NY

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Icahn School of Medicine at Mount Sinai



David Reich, MD

President, The Mount Sinai Hospital
and Mount Sinai Queens
Horace W. Goldsmith Professor
Department of Anesthesiology,
Perioperative and Pain Medicine
Professor of Artificial Intelligence and
Human Health
Professor of Pathology, Molecular and
Cell-Based Medicine
Icahn School of Medicine at Mount Sinai



Jaime Uribarri, MD

Professor of Medicine
Icahn School of Medicine at
Mount Sinai
Director, Home Dialysis Program
The Mount Sinai Kidney Center



Shuchita Sharma, MD

Associate Professor of Medicine
Icahn School of Medicine at
Mount Sinai
Medical Director,
Home Dialysis Program
The Mount Sinai Kidney Center



Monica Kraft, MD

System Chair, Department of Medicine
Murray M. Rosenberg
Professor of Medicine
Icahn School of Medicine at Mount Sinai



John Cijiang He, MD, PhD

Irene and Dr. Arthur Fishberg
Professor of Medicine
System Chief, Division of Nephrology
Department of Medicine
Icahn School of Medicine at Mount Sinai

Speakers

David L. Reich, MD

David L. Reich, MD, is the Horace W. Goldsmith Professor of Anesthesiology, Professor of Artificial Intelligence, and Professor of Pathology, and has been President of The Mount Sinai Hospital and Mount Sinai Queens, both part of the Mount Sinai Health System, since 2013. Dr. Reich was Chair of the Department of Anesthesiology from 2004-2014 and served as President of the Medical Board in 2011-2012.

Prior to his anesthesiology training, Dr. Reich completed two years of residency in general surgery at Harbor/UCLA Medical Center in Torrance, California. He received his BS degree with highest distinction from Pennsylvania State University and his medical degree from Jefferson Medical College of Thomas Jefferson University in Philadelphia. After arriving at Mount Sinai in 1984, Dr. Reich completed a residency in anesthesiology and a fellowship in cardiothoracic anesthesia. His honors include the 2011 Physician of the Year from Mount Sinai Nursing, the Mount Sinai Alumni Association Jacobi Medallion in 2014, the 2021 Heart of Gold Award from the New York Heart Association, the 2021 August Heckscher Founder Award for Community Service from CIVITAS, the 2021 Empire Whole Health Heroes Award from Empire Blue Cross Blue Shield and Crain's New York Business, and Pace University's 2022 Changemakers in Healthcare Award.

Dr. Reich's research interests include neurocognitive outcome following cardiac surgery, medical informatics, and hemodynamic monitoring. An academic cardiac anesthesiologist, he has published more than 200 articles, editorials, and book chapters.

As a hospital executive, he has enhanced safety and quality by forming an institute for critical care medicine, rapidly deploying digital innovation tools including AI-enhanced clinical decision support, and leading in COVID-19 care and diagnostics.

Speakers

Monica Kraft, MD

Monica Kraft, MD, is an internationally known physician-scientist who specializes in clinical and translational research in airway disease. She joined Mount Sinai as Chair of the Department of Medicine in July 2022.

Dr. Kraft completed her medical degree at the University of California, San Francisco. She completed her residency at Harbor-UCLA Medical Center where she was also Chief Resident. Dr. Kraft completed her fellowship in Pulmonary and Critical Care Medicine at the University of Colorado Health Sciences Center and joined the faculty as the Director of the Carl and Hazel Felt Laboratory for Adult Asthma Research and Medical Director of the Pulmonary Physiology Unit at National Jewish Health from 1995-2004. She was then recruited to Duke University to create and direct the Duke Asthma, Allergy and Airway Center in 2004.

In addition to caring for patients with severe asthma and chronic obstructive pulmonary disease and her teaching responsibilities, Dr. Kraft has published extensively in the area of adult asthma and Chronic Obstructive Pulmonary Disease (COPD). Specifically, her research interests include the mechanisms of innate immune dysfunction, inflammation and infection in asthma, as well as evaluation of personalized/precision approaches to asthma therapy through clinical trials. Dr. Kraft's work has been continuously funded by the National Institutes of Health (NIH) and the American Lung Association for more than 25 years, and she has been a member and chaired several NIH study sections. She just completed her term as a member of the National Heart, Lung, and Blood Institute Scientific Advisory Council.

Dr. Kraft received the Presidential Early Career Award for Scientists and Engineers, awarded by President Clinton at the White House in 2000. She has also been awarded a Distinguished Career Award and the Elizabeth Rich Award for mentorship from the American Thoracic Society (ATS), a major professional society for pulmonary, critical care and sleep providers where she also served as President from 2012-13. She also received the Arizona Bioresearcher of the Year in 2019 as a Council member of the Association of Professors of Medicine.

Speakers

John Cijiang He, MD, PhD

John Cijiang He, MD, PhD, earned his MD from Shanghai Second Medical University in China and PhD in Physiology at University of Paris VII in France. Then, he got his further research training as a visiting scientist at NIH in Maryland and The Picower Institute for Medical Research in New York. He completed his medical residency at SUNY Downstate and clinical nephrology fellowship at The Mount Sinai Hospital. Currently, he is a Professor of Medicine and Pharmacological Sciences at the Icahn School of Medicine at Mount Sinai. He holds the title of Irene and Dr. Arthur Fishberg Endowed Chair of Nephrology. He is the Chief of Nephrology at Mount Sinai Health System. He was the President of the New York Society of Nephrology and the President of the Chinese American Society of Nephrology. He is the member of the American Society of Clinical Investigation. He is also a visiting professor at both Nanjing University and Shanghai Jiaotong University. He has been funded by multiple NIH and VA grants and has published more than 180 papers in the peer-reviewed scientific journals. His major research areas include glomerular cell biology, systems biology of kidney disease, and kidney fibrosis. His major clinical interest includes diabetic kidney disease, viral-induced kidney disease, and primary glomerular disease.

Speakers

Jaime Uribarri, MD

Jaime Uribarri, MD, is a practicing nephrologist and clinical investigator in New York City. He has been in the Icahn School of Medicine at Mount Sinai, since 1990, where he is currently Professor of Medicine and Director of the Renal Clinic and the Home Dialysis Program at The Mount Sinai Hospital. In parallel with his clinical activities, Dr. Uribarri has been very active in clinical investigation for more than 40 years. His main areas of research have been on acid-base and fluid and electrolytes disorders as well as nutrition in chronic kidney disease and diabetic patients. He has published well over 200 peer-reviewed papers with an H index of 62 and written many chapters in books. He has lectured extensively on these research topics in New York City as well as in national and international meetings.

He has edited a book on dietary AGEs and co-edited a book on dietary phosphorus published by the CRC Press and another one on nutrition, fitness and mindfulness published by Humana Press. He serves as an ad hoc referee for numerous nutrition, medical and other scientific journals and he is an active member of several health organizations and professional national and international associations.

Speakers

Juan P. Bosch, MD

Juan P. Bosch, MD, is a nephrologist with extensive experience in clinical medicine, nephrology, and research in artificial organs. He was the Chief Medical Officer of Gambro Health Care and Gambro Renal Products in Sweden from 2000-2014 and Chief of Nephrology and Hypertension as well as Professor at the George Washington University School of Medicine.

He completed his residency in internal medicine at Brooklyn Jewish Hospital in 1973, where he was also Chief Resident, and his fellowship in Nephrology at the Icahn School of Medicine at Mount Sinai in 1976. As an Associate Professor of Medicine at the Icahn School of Medicine at Mount Sinai from 1976-1985, Dr. Bosch's research focus centered on dialysis, continuous therapies, and renal physiology, in addition to his clinical activities and teaching responsibilities.

Now, Dr. Bosch is a member of the Board of Directors for Triomed, a company based in Lund, Sweden. He currently resides in Washington, D.C., and West Palm Beach, FL.

Kevin Erickson, MD, MS

Kevin Erickson, MD, MS, is an Associate Professor in the Section of Nephrology at Baylor College of Medicine. He is also a nonresident scholar for the Rice Baker Institute's Center for Health and Biosciences. His research focuses on health economics, policy, and outcomes in kidney disease. His research has been funded by the National Institutes of Health and the Agency for Healthcare Research and Quality, as well as private organizations. Recently, Dr. Erickson has studied the effects of nephrologist reimbursement policies, dialysis facility market competition, and dialysis modality choices on health care costs, outcomes, and access to care. In addition to his research, Dr. Erickson is a practicing nephrologist and a member of the American Society of Nephrology Quality Committee.

Speakers

Catherine Butler, MD, MA

Catherine Butler, MD, MA, is an Assistant Professor in the Division of Nephrology at the University of Washington, an Investigator at the UW Kidney Research Institute and Seattle VA Health Services Research & Development Center of Innovation, and a clinical nephrologist at the Seattle VA. Her research is framed by bioethical theories of distributive justice and centers on health care settings where patient experiences and treatment options are shaped by resource limitation, including in the kidney transplant evaluation and selection process and episodes of resource scarcity during the COVID-19 pandemic. She also studies end-of-life care and intensive medical interventions for older adults with kidney disease. Her work is supported by a K23 grant from the NIH National Institute for Diabetes and Digestive and Kidney Diseases.

Jay B. Wish, MD

Jay B. Wish, MD, is a Professor of Clinical Medicine at Indiana University School of Medicine in Indianapolis and Chief Medical Officer for Outpatient Dialysis at Indiana University Health. He is past president of the National Forum of ESRD Networks and has been an advisor to the Centers for Medicare and Medicaid Services on quality improvement issues in dialysis. He served on the Board of Directors of the Renal Physicians Association and the American Association of Kidney Patients and was the recipient of the latter's Visionary Award in 2005. Dr. Wish is on the editorial boards of the JASN and CJASN. He has had more than 100 articles, reviews, and book chapters published, particularly in the areas of ESRD quality oversight/improvement, accountability, anemia management, and vascular access.

Speakers

Michael V. Rocco, MD, MSCE

Michael V. Rocco, MD, MSCE, holds the Vardaman M. Buckalew Jr. Chair in Internal Medicine/Nephrology at the Wake Forest University School of Medicine in Winston-Salem, North Carolina. He is a co-author for more than 250 manuscripts and has been awarded funding for clinical trials from the National Institutes of Health, including the HEMO Study, the Acute Renal Failure Trial Network (ATN) Study, the Dialysis Access Consortium, the Frequent Hemodialysis Network and the Systolic Blood Pressure Intervention Trial (SPRINT). He served as the Chair of the National Kidney Foundation (NKF) Kidney Disease Outcomes Quality Initiative (KDOQI) from 2008-2023 and was the KDOQI vice-chair from 2003-2008. He received the Garabed Eknoyan Award from the NKF in 2013. He was the Deputy Director for the International Society of Nephrology (ISN) Oby25 AKI project and was the co-chair for the ISN Kidney Care Network project. He is listed in both the Best Doctors in America and the *US News and World Report* Top Doctors in Nephrology databases.

Shuchita Sharma, MD

Shuchita Sharma, MD, is a practicing clinical nephrologist at The Mount Sinai Hospital. She obtained her medical degree in India and then moved to the United States for further training. She did her internship and residency in internal medicine at Jacobi Medical Center, Albert Einstein College of Medicine, and completed her fellowship training at The Mount Sinai Hospital.

Dr. Sharma has been a board certified practicing nephrologist and Associate Professor at Icahn School of Medicine at Mount Sinai. Her main focus of interest is home dialysis, and she is the Medical Director for the Home Dialysis Program at Mount Sinai. She has also been the Co-Director for the Home Dialysis Fellowship program at Mount Sinai for the past five years. Dr. Sharma has several articles published in peer-reviewed scientific journals and given invited lectures locally and internationally on various topics.

Speakers

Alfred K. Cheung, MD

Alfred K. Cheung, MD, is the Dialysis Research Foundation Presidential Endowed Chair Professor, Chief of Division of Nephrology & Hypertension, and Vice Chair for Research in the Department of Internal Medicine at the University of Utah. Dr. Cheung received his medical degree from Albany Medical College in New York and completed his nephrology fellowship training from the University of California at San Diego. He started hemodialysis research and clinical care of patients undergoing maintenance hemodialysis in 1980-1983 when he was a nephrology fellow under the tutelage of the late Dr. Lee Henderson. In Utah, he has expanded the Dialysis Program initiated by the late Dr. Willem Kolff. Dr. Cheung's hemodialysis research has ranged from the identification of uremic middle molecules, biocompatibility of and solute transport across hemodialysis membranes, to pathophysiology and treatment of arteriovenous access dysfunction. Further, Dr. Cheung has co-chaired the K/DOQI guidelines on "Cardiovascular Disease in Dialysis Patients."

Kimberly Davis, RN, BSN

Kimberly Davis, RN, BSN, is a 28-year vintage nephrology nurse with a long history of advocating for patients. Her education was obtained at the University of Medicine and Dentistry of New Jersey then completed at Jacksonville University. She has been a nursing leader from her days in New Jersey, from staff nurse to Director of Nursing and also excelled in the pharmaceutical and home dialysis space. She found her love for home dialysis many years ago while in New Jersey and continues her passion at the Rogosin Institute as the Director of Home Therapies, overseeing the largest independent home dialysis program in New York State. She is an elected member on the IPRO executive board and holds many committee positions and expert positions with Home Dialyzors United the Alliance for Home Dialysis. Her passion is providing patients the opportunity to experience wellness—it is not a question of if it will happen; instead, it must happen. She is also making home dialysis nurses the experts in home dialysis, and she is a mentor developing the next generation of nurses and health care professionals, who are as passionate as she is about helping patients have their best quality of life despite their illness. She is also involved in research and initiatives to bring forward innovation in the renal space.

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**Icahn School of Medicine at Mount Sinai
1468 Madison Avenue
New York, New York 10029**

How to Register:

Online:

<https://mssm.cloud-cme.com/HD>

Registration Fees:

In-Person Attendance

Physicians: \$75

Allied Health Professionals: \$50

Residents/Fellows: \$25*

***Complimentary Registration**

Mount Sinai Health System (MSHS) residents and fellows must email **cme@mssm.edu** with a copy of their hospital ID to receive a complimentary online registration code. MSHS residency and fellowship status will be verified.

Cancellation Policy

All refund and cancellation requests must be emailed to the CME office at **cme@mssm.edu** by **Wednesday, September 13, 2023**. Cancellations after this date are not eligible for a refund.

An administrative fee of \$50 will be deducted from your refund. No refunds will be issued for registration fees that are equal or less than \$50.