



# 2019 **ISHD** **HEMODIALYSIS** **UNIVERSITY**<sup>®</sup>

**FROM THE UNIT TO THE HOME**  
*With a Program Track Focusing on Home Hemodialysis*

**SEPTEMBER 22-23, 2019**  
**HILTON ROSEMONT/CHICAGO O'HARE**

In collaboration with:



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Akebia Therapeutics, AstraZeneca Pharmaceuticals, Baxter Healthcare,  
Fresenius Medical Care Renal Therapies Group and Relypsa, Inc.*

*Endorsed by NKF - Illinois and ANNA Windy City Chapter*

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This activity is jointly provided  
by Medical Education Resources  
(MER) and the International  
Society for Hemodialysis<sup>™</sup>.

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### TARGET AUDIENCE

All health professionals involved in hemodialysis programs and home dialysis programs, primarily physicians (nephrologists), fellows, nephrology nurses, nurse practitioners, dietitians and pharmacists.

### PROGRAM OVERVIEW

ISHD Hemodialysis University™ (HDU) will focus on clinically important problems in dialysis/ management of patients with both CKD and ESKD, including phosphorous binders, sodium and magnesium, immunosuppressive therapy, anticoagulants, treating hepatitis C in dialysis patients, management of diabetes in CKD and ESKD, dialysis and transplantation, treatment of hyperkalemia. A substantial number of the lectures will also focus on home hemodialysis technology, patient selection and training, prescription management, volume and blood pressure management, vascular access care, and transitional care units.

### LEARNING OUTCOME

To optimize current hemodialysis and home dialysis practice patterns relating to phosphorous control, hypertension and volume control, anemia, Immune-mediated kidney disease and hemodialysis, anticoagulants, expanded range hemodialysis, management of diabetes in CKD/ESKD Patients, transplantation and the comprehensive benefits of home dialysis, patient empowerment and overall benefits of home dialysis.

### EDUCATIONAL OBJECTIVES

1. Describe how to best select and train patients for home hemodialysis
2. Review the various methods of modeling used to write prescriptions for home hemodialysis therapy.
3. Review the methods available for water treatment for home hemodialysis and how to monitor water quality for home hemodialysis.
4. Describe the non-calcium containing phosphorus binders available and their impact on iron balance.
5. Describe how to control blood pressure and volume overload in hemodialysis patients, and what technology aids are available.
6. Explain how to manage immunosuppressive therapy in dialysis patients with immune-related kidney disease.
7. Describe the use of various anti-platelet and antithrombin drugs in dialysis patients, including the need for dosage adjustment.
8. Identify the new categories of drugs available to manage iron deficiency as well as anemia in hemodialysis patients.
9. Review what aspects of uremic toxicity may be due to middle molecules and the current methods available to remove high-range middle molecules using extracorporeal therapy.
10. Describe the role of various methods to manage hyperkalemia in hemodialysis patients, including attention to diet, dialysis prescription, and potassium-binding drugs

### CONTINUING EDUCATION

The International Society for Hemodialysis will partner with Medical Education Resources (MER) for the provision of Physician Credit and Nursing Credit Hours. Approximately 15.25 credit hours are estimated for this program.

**Physician Credit:** This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Medical Education Resources (MER) and International Society for Hemodialysis. MER is accredited by the ACCME to provide continuing medical education for physicians.

**Credit Designation:** Medical Education Resources designates this live activity for a maximum of 15.25 *AMA PRA Category 1 Credits™*. Physicians should claim only credit commensurate with the extent of their participation in the activity.

**Nursing Credit:** Medical Education Resources is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. This CE Activity provides 15.25 contact hours of continuing nursing education.

Provider approved by the California Board of Registered Nursing, Provider # CEP12299, for 15.25 contact hours.

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# PROGRAM AGENDA

SUNDAY, SEPTEMBER 22, 2019

11:00 am – 11:30 am REGISTRATION *Grand Salon Foyer*

11:25 am – 11:30 am OPENING REMARKS *Grand Salon I*  
*Madhukar Misra, MD and Brent W. Miller, MD*

11:30 am – 12:30 pm LUNCH SYMPOSIUM *Grand Salon I*  
*Phosphorus Binders - Is Era of Calcium-Containing Binders Over?*  
*Sankar D. Navaneethan, MD*

## HEMODIALYSIS SESSION 1 *Grand Salon I*

12:30 pm – 1:00 pm Warfarin vs. Newer Medications for Atrial Fibrillation and Other Indications  
*Sagar Nigwekar, MD*

## HOME DIALYSIS SESSION 1 *Grand Salon II*

12:30 pm – 1:00 pm Brief History of Home Hemodialysis *Brent W. Miller, MD*

## HEMODIALYSIS SESSION 2 *Grand Salon I*

### VOLUME IN DIALYSIS PATIENTS

1:00 pm – 1:40 pm Impact of Volume Depletion and Volume Overload on Residual Renal Function and Cardiac Function *James Tattersall, MD*

1:40 pm – 2:20 pm Technology to Assist in Control of Volume Overload *Elizabeth J. Lindley, PhD*

2:20 pm – 2:30 pm Panel Discussion

## HOME DIALYSIS SESSION 2 *Grand Salon II*

1:00 pm – 1:45 pm Current Home Hemodialysis Technology & Water Treatment in the Home  
*Michael A. Kraus, MD*

1:45 pm – 2:30 pm Patient Selection and Preparing a Patient for HHD *Lisa Koester-Wiedemann, ANP, CNN-NP*

2:30 pm - 2:45 pm BREAK/EXHIBITS *Lindbergh*

## HEMODIALYSIS SESSION 3 *Grand Salon I*

### HYPERTENSION AND HYPONATREMIA

2:45 pm – 3:35 pm Hypertension in Dialysis Patients *Rajiv L. Agarwal, MD*

3:35 pm – 4:00 pm Treatment of Severe Hyponatremia by CRRT and Hemodialysis *Jerry Yee, MD*

4:00 pm – 4:15 pm Panel Discussion

## HOME DIALYSIS SESSION 3 *Grand Salon II*

2:45 pm – 3:15 pm Patient Training Basics *Michelle Carver, BSN, RN, CNN*

3:15 pm – 3:45 pm Volume and BP Management *Michael A. Kraus, MD*

3:45 pm – 4:15 pm The Efficient HHD Monthly Clinic Visit *Brent W. Miller, MD*

4:15 pm – 4:30 pm BREAK/EXHIBITS *Lindbergh*

## HEMODIALYSIS SESSION 4 *Grand Salon I*

4:30 pm – 5:00 pm Magnesium Balance During Hemodialysis - Can We Do Better? *David J. Leehey, MD*

5:00 pm – 5:30 pm Recovery of Renal Function after Starting Dialysis *William Luke Whittier, MD*

5:30 pm – 5:45 pm Panel Discussion

## HOME DIALYSIS SESSION 4 *Grand Salon II*

- 4:30 pm – 5:45 pm Artificial Arm Cannulation *Michelle Carver, BSN, RN, CNN*  
Machine Demonstrations  
Prescription Writing Demonstrations *Brent W. Miller, MD and Nupur Gupta, MD*

## MONDAY, SEPTEMBER 23, 2019

- 7:00 am – 7:30 am REGISTRATION *Grand Salon Foyer*

- 7:30 am - 8:30 am BREAKFAST SYMPOSIUM *Grand Salon I*  
*What's New in Anemia Management for Hemodialysis? Jay Wish, MD*

## HEMODIALYSIS SESSION 5 *Grand Salon I*

- 8:30 am – 9:00 am Aspirin and Other Anti-platelet Agents and Vascular Access *Anil Agarwal, MD*  
9:00 am – 9:30 am Dosing of Advanced Anti-platelet Drugs in Coronary Syndromes in Dialysis Patients  
*Anil Agarwal, MD*  
9:30 am – 10:00 am Modeled Daily Absorbable Phosphorus and Protein Catabolic Rate *John Daugirdas, MD*  
10:00 am – 10:15 am Panel Discussion

## HOME DIALYSIS SESSION 5 *Grand Salon II*

- 8:30 am – 9:00 am Status of Home Hemodialysis *Dinesh Chatoth, MD*  
9:00 am – 9:40 am HHD Prescription Management *José Morfin, MD*  
9:40 am – 10:15 am Integration of PD with ICHD *Martin Schreiber, MD*  
10:15 am - 10:30 am BREAK/EXHIBITS *Lindbergh*

## HEMODIALYSIS SESSION 6 *Grand Salon I*

- 10:30 am – 11:15 am Practical Protocols for Treating Hepatitis C in Dialysis Patients *Meghan Sise, MD*  
11:15 am – 12:00 noon When Should Immunosuppressive Therapy for GN be Abandoned in Dialysis  
Patients? *Gerald B. Appel, MD*

## HOME DIALYSIS SESSION 6 *Grand Salon II*

- 10:30 am – 11:15 am Caring for Vascular Access in HHD *Anil Agarwal, MD*  
11:15 am – 12:00 noon Transitional Care Units – How Do They Look and What Do They Accomplish?  
*José Morfin, MD*

- 12:00 noon – 1:00 pm LUNCH SYMPOSIUM *Grand Salon I*  
*Expanded Range Hemodialysis and Middle Molecule Removal in  
Renal Replacement Therapies Timothy Meyer, MD*

## HEMODIALYSIS SESSION 7 *Grand Salon I*

### MANAGEMENT OF DIABETES IN CKD and ESKD

- 1:00 pm – 2:00 pm Glycemic Management in the Patient with CKD *Mark Molitch, MD*  
2:00 pm – 2:45 pm Use of SGLT2 Inhibitors in CKD *George Bakris, MD*  
2:45 pm – 3:15 pm Panel Discussion

## HOME DIALYSIS SESSION 7 *Grand Salon II*

### ADVANCING KIDNEY HEALTH INITIATIVE

- 1:00 pm – 1:30 pm Advancing Kidney Health Initiative – Washington Perspective *Rob Blaser*  
1:30 pm – 2:00 pm Current State of Home Dialysis *Dinesh Chatoth, MD*  
2:00 pm – 3:15 pm Strategic Planning with Advancing Kidney Health Initiative Panel Discussion  
*Panelists: Dinesh Chatoth, MD, Brent W. Miller, MD, and Martin Schreiber, MD*
- 3:15 pm – 3:30 pm BREAK/EXHIBITS *Lindbergh*

## HEMODIALYSIS SESSION 8 *Grand Salon I*

### DIALYSIS AND TRANSPLANTATION

- 3:30 pm – 4:00 pm Pre-emptive Transplantation - Practical Techniques and Tools for Encouraging This  
*Giselle Guerra, MD*
- 4:00 pm – 4:30 pm Management of Immunosuppressive Drugs in Patients with Recently Failed Transplant  
*Giselle Guerra, MD*
- 4:30 pm – 5:30 pm Update on Novel K-Binders in Treatment of Hyperkalemia *George Bakris, MD*

## HOME DIALYSIS SESSION 8 *Grand Salon II*

### DEMONSTRATIONS AND NETWORKING

- 3:30 pm – 5:30 pm Artificial Arm Cannulation *Michelle Carver, BSN, RN, CNN*  
Machine Demonstrations  
Prescription Writing Demonstrations *Brent W. Miller, MD and Nupur Gupta, MD*

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*The following faculty reported that they have no financial relationships to disclose:*

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**David J. Leehey, MD**

**Elizabeth J. Lindley, PhD**

**Lisa Koester Wiedemann, ANP, CNN-NP**

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