



Annual Dialysis Conference

presented by the *University of Missouri Division of Nephrology*



February 27 - March 1, 2016
Seattle, Washington

*Designed for health professionals: physicians, fellows,
nurses, dietitians, social workers and dialysis technicians.*

NEW website address: annualdialysisconference.org

The Annual Dialysis Conference has been endorsed by the following organizations:



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For more information on our listed endorsers, please visit our website annualdialysisconference.org

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Pike Place Market's historic Public Market sign creates a silhouette against the Puget Sound as a ferry glides across the water. *Photo by: Tim Thompson*

The Conference will be held Sunday, February 28, through Tuesday, March 1, 2016, with pre-conference sessions on Saturday, February 27, at the Washington State Convention Center in Seattle, Washington.

Conference Registration, Housing Information and Abstract Submission can be found on our website: annualdialysisconference.org

Abstract Deadline: October 5, 2015

See page 17 for guidelines and submission instructions.

NEW

www.annualdialysisconference.org

Please be sure to update the address for the Annual Dialysis Conference in your web browser.

***Sessions are subject to change—
please refer to the program found on our website
when registering for the most up-to-date program information.***

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 **School of Medicine**
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Extension

This conference is designed for health professionals involved in dialysis programs. It covers all aspects of dialysis with sessions on Hemodialysis, Peritoneal Dialysis, Pediatrics, Nursing, and Nutrition.

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Course Description

The Annual Dialysis Conference: the Thirty-sixth Annual Conference on Dialysis, and Twenty-seventh Annual Symposium on Pediatric Dialysis are presented by the University of Missouri School of Medicine, Department of Medicine, Division of Nephrology; Continuing Medical Education; the University of Missouri Sinclair School of Nursing; and the Academy for Postgraduate Health Care Education.

This conference convenes an international group of practitioners and researchers to discuss current developments in the field of dialysis. The conference is designed for health professionals involved in established dialysis programs, as well as those working in new and developing programs. Both researchers and clinicians will find sessions of interest to them. Extensive commercial exhibits give participants a chance to see for themselves what is new in PD and HD products and services.

Conference Objectives

1. Review appropriate dialysis therapies to meet the medical and psychosocial needs of CKD patients and their families.
2. Describe current trends and established strategies in the management of the full range of services required by adult and pediatric dialysis patients.
3. Compare and contrast research findings related to improving the quality of care for dialysis patients.
4. Evaluate the latest evidence concerning the prevention and management of complications of CKD and dialysis.
5. Discuss major controversies and new developments in PD, HD, and pediatric dialysis.
6. Review fundamental knowledge of dialysis.



The 175 foot tall Seattle Great Wheel, Elliott Bay's popular attraction, fits right in with local restaurants and businesses on the pier. *Photo by: Howard Frisk*





Annual Dialysis Conference

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Saturday, February 27 • Preconference Sessions

Peritoneal Dialysis Management: Clinical Aspects

7:55 **Welcome** - Preethi Yerram, MD, MS, FASN

Session I - Overview and PD Basics

Presiding: Preethi Yerram, MD, MS, FASN

- 8:00 Current Trends and the Effect of Bundling on PD Therapy
Thomas Golper, MD
- 8:45 Peritoneal Access and Exit Site Care - *Rajeev Narayan, MD*
- 9:15 Prescription Writing and Adequacy Monitoring
Joel Glickman, MD
- 9:45 Tidal Peritoneal Dialysis: Indications and Management
Leslie Wong, MD
- 10:15 Break

Session II - Economic Drivers of PD

Presiding: Joel Glickman, MD

- 10:30 Reimbursement, QIP and Implications of the Rating System - *Sue Rottura*
- 11:15 Growing a Peritoneal Dialysis Program - *Shubha Ahya, MD*
- 12:00 Lunch- (provided)

Session III - Clinical Management

Presiding: Debra Appleton, RN, MN, CNeph(C)

- 1:00 Management of Infections - *Scott Bieber, DO*
- 1:30 Catheter and Mechanical Malfunctions - *Zoe Parr, MD*
- 2:00 No Place Like eHOME: The role of Shared Decision-Making to Ensure the Success of a Home Dialysis Program
Anna Gozdzik, MN, RN, CNeph(C)
- 2:30 Break

Session IV - PD in Difficult Circumstances

Presiding: Shweta Bansal, MD

- 2:45 Pregnancy and Dialysis: What is the Best Modality?
 - Hemodialysis - *Christopher Chan, MD*
 - Peritoneal Dialysis - *Anjali Saxena, MD*
- 3:30 Ultrafiltration Failure - *Shweta Bansal, MD*
- 4:00 Thoracic and Abdominal Surgery - *Rachel Fissel, MD*
- 4:30 Discussion

Session V - Closing and Summary

Presiding: Ramesh Khanna, MD

- 4:40 Shaping PD for Tomorrow: We Need to Start Urgently!
Leslie Wong, MD
- 5:10 Adjourn

A Comprehensive Course in Hemodialysis

Presented in cooperation with the International Society for Hemodialysis, (ISHD)

This unique, full day session is specifically designed to cover practical aspects of extracorporeal therapies for those who care for patients in dialysis facilities. This course is intended for nephrologists in training, practicing nephrologists, and advanced practice nurses. Internationally renowned speakers will provide theoretical background for practical aspects of extracorporeal therapies.

Basic Mechanisms and Emerging Technologies, Essentials of Anticoagulation

Session I

8:00-8:45am

Essentials of Dialyzer and Non-Dialyzer Components of Hemodialysis Systems - *Madhukar Misra, MD*

Influence of capillary (hollow fiber) dialyzer design on clearances, ultrafiltration and backfiltration; types of membranes (cellulosic, substituted cellulosic, synthetic) and their properties; permeability to water and molecules of various sizes; delivery of blood to the dialyzer: inflow tubing, pump, negative pressure monitor, infusion line; outflow tubing, bubble trap, positive pressure monitor; proportioning dialysis solution delivery (proportioning pump systems, heater and temperature control, negative effluent pump, negative pressure control, mixing vessel and de-aerator, blood leak detector).

Session II

8:45-9:45am

Modes of Extracorporeal Therapies for the ESRD Patient: What a Nephrologist Needs to Know - *Suhail Ahmad, MD*

The lecture will include alternative techniques to conventional maintenance HD: Hemodiafiltration (HDF) and Hemofiltration (HF), reviewing the techniques and setup for HDF and HF. What differences are between pre-dilution and post-dilution fluid replacement methods? What size molecules are efficiently removed with each modality? How to choose 'filters' for such therapies? What is the evidence behind the use of HDF over HD?

9:45 Break



Session III

10:00-11:15am

Sorbents: From Bench to Bedside - *Claudio Ronco MD*

Sorbent systems can enhance the effectiveness of blood purification techniques. This can be achieved by promoting the contact of large molecules present in blood/plasma with constituents of sorbent cartridge thus enhancing their removal by absorption. Dialysate regeneration is another advantage. Sorbents can be used in delivering both acute and chronic extracorporeal therapies. This talk will briefly trace their development from the bench side to modern day sorbent devices.

11:00 Discussion

11:15 Lunch- (provided)

Hemodialysis Adequacy and Home HD Basics

Session IV

12:00-1:00pm

What is Adequate Dialysis in 2016? - *John Daugirdas, MD*

Session V

1:00-2:00pm

Home HD: Basics of Patient Selection and Prescription

Christopher Chan, MD

Home HD regimens include short-daily HD and nocturnal HD. Both regimens can be performed at home. A prescription for HHD is very different when compared with conventional HD. This talk will address differences in dialysate concentrations, blood and dialysate flow rates, ultrafiltration rates, vascular access issues and adequacy of HD between these different HD schedules.

1:45 Discussion

Session VI

2:00-3:00pm

Dry Weight Measurement and Volume Overload - *Suhail Ahmad, MD*

2:45 Discussion

3:00 Break

Mineral Bone Disease

Session VII

3:15-4:00pm

Managing Mineral Bone Disease in HD Patients

Bryan Kestenbaum, MD

This talk will review the rationale behind the optimal use of phosphorus binders, prescribing the right dialysate Ca and Mg, use of Vitamin D analogues vs. calcimimetics, role of ergocalciferol in management of BMD etc.

Session VIII

4:00-5:00pm

Calciphylaxis (CUA) in HD Patients - *Preethi Yerram, MD, MS, FASN*

This talk will present an overview of the risk factors of CUA, clinical presentation and diagnosis, need for early recognition, the role of sodium thiosulfate and the multidisciplinary nature of management of this disease.

4:45 Discussion

5:00 Adjourn

Home Hemodialysis Symposium

Presented in cooperation with the International Society for Hemodialysis, (ISHD)

Home Hemodialysis patients and facilities continue to grow, both worldwide and in the USA. This program brings together representatives of successful Home Hemodialysis programs to discuss elements of effective Home Hemodialysis.

This full day pre-session will provide an overview of the fundamental elements essential to successfully develop and maintain a home hemodialysis program for new, as well as for existing or expanding, programs. The session will also allow interactive discussion with speakers and experts in the field.

This program is intended for physicians, nurses, fellows, administrators and other members of the healthcare team providing home dialysis therapy, as well as patients and the dialysis industry and manufacturers who support home hemodialysis.

Session I

8:00-9:45am

Presiding: Brent Miller, MD

8:00 The Origin of Home Dialysis: A Historical Perspective
Christopher Blagg, MD, FRCP

8:15 **Keynote: Volume Control is More Important than Solute Control** - *John Agar, MBBS*

8:45 Dialysis Modality Selection: Peritoneal Dialysis First or Home Hemodialysis First - *Annie-Claire Nadeau-Fredette, MD*

9:15 Understanding the Financial Aspects of HHD
Brent Miller, MD

9:45 Break

Session II

10:00am-12:00pm

Presiding: Robert Pauly, MD, MSc

10:00 Prescribing Home HD: Important Considerations
John Agar, MBBS

10:40 Home Dialysis: Similarities Among Dialysis Techniques
Thomas Golper, MD

11:00 Clinical Management: What is Different?
Christopher Hoy, MD

11:30 Promoting Safety in HHD - *Robert Pauly, MD, MSc*

12:00 Lunch- (provided)

Session III

12:15-1:30pm

12:15 Luncheon Break-out Session: Ask Your Consultant Panel
Physicians - Moderator: Christopher Chan, MD

Panelists: *Robert Pauly, MD, MSc; Brent Miller, MD; Christopher Hoy, MD*

Nursing Panel - Moderator: Lisa Koester, MSN, CNN-NP

Panelists: *Janice Omri, RN, MBA; William Peckham, Maureen Fain, LICSW; Jack Tomlin, III*



Session IV

1:30-2:45pm

Presiding: Michelle Carver, BSN, RN

- 1:30 Utilizing Your Patient Education Committee to Address and Sustain Health Literacy Across Your Organization
Terri Ann Parnell, MA, DNP, RN
- 2:15 Debate: Home Dialysis Care Partners
- They Are a Must - *Jack Tomlin, III*
 - They Are Not Necessary - *William Peckham*
- 2:45 Break

Session V - Hot Topics

3:00-5:00pm

Presiding: Robert Lockridge, MD

- 3:00 Integrated Home Dialysis - *Annie-Claire Nadeau-Fredette, MD*
- 3:25 Home Hemodialysis in Pediatrics - *Dal Hothi, MBBS, MRCPCH, MD*
- 3:50 Transitional Start Unit - *Robert Lockridge, MD*
- 4:15 Growth of Home Hemodialysis – Are We Using the Wrong Target? - *Christopher Chan, MD*
- 5:00 Adjourn

The Fundamentals of Dialysis in Children

Presented in cooperation with the American Society of Pediatric Nephrology, (ASPN)

The care of children receiving chronic dialysis is a challenging, multi-disciplinary enterprise. The Fundamentals of Dialysis in Children is a day-long course designed to provide a complete review of the major issues involved in the management of pediatric hemodialysis and peritoneal dialysis patients. Taught by a faculty of international experts in pediatric dialysis care, The Fundamentals of Dialysis in Children, is the only course of its kind currently available. While the course is presented at the level of the beginning pediatric dialysis physician-in-training, it will be of value to pediatric and adult nephrology fellows, pediatric and adult nephrologists, pediatric and adult dialysis nurses, allied personnel and all others who care for children in dialysis facilities.

7:55 **Welcome** - *Steve Alexander, MD*

Session I

8:00-10:10am

Presiding: Helen Currier, BSN, RN, CNN, CENP;

Bradley Warady, MD

- 8:00 Peritoneal & Vascular Access - *Mary Brandt, MD*
- 8:40 Physiology of Blood Purification (Dialysis and Apheresis)
Jordan Symons, MD
- 9:10 PD Prescription and Adequacy Monitoring
Colin White, MD
- 9:40 HD Prescription and Adequacy Monitoring
Stuart Goldstein, MD
- 10:10 Break

Session II

10:20am-12:20pm

Franz Schaefer, MD; Rosanne Woloschuk, RD;

Nonnie Polderman, RD, Presiding

- 10:20 Pediatric Dialysis Nutrition Guidelines
Rosanne Woloschuk, RD
- 11:00 Growth and Recombinant Human Growth Hormone Therapy - *John Mahan, MD*
- 11:40 Renal Bone Disease - *Rukshana Shroff, MD*
- 12:20 Lunch- (provided)

Session III - Luncheon Sessions

12:30-2:00pm

- **Fellows Case Conference – Stump the Consultants**

John Mahan, MD, Moderator

Consultants: *Rukshana Shroff, MD; Stuart Goldstein, MD; Fredric Finkelstein, MD; Dal Hothi, MBBS, MRCPCH, MD; Bill Smoyer, MD; Colin White, MD; Joseph Flynn, MD*

Cases Presented by: *Lyndsay Harshman, MD (University of Iowa); Anne Kouri, MD (Indiana University); Kyle Millar, MD (University of Manitoba)*

- **Nursing Breakout**

Presiding: Linda Jones, RN, MHA, CNN

12:30 Developing and Identifying Best Practice (policy/ protocol development) - *Cindy Russell, PhD, RN, FAAN*

1:00 Evidence-based Anticoagulation (citrate and heparin) - *Theresa Mottes, RN*

1:30 Blood Volume Monitoring Basics - *Anne Diroll, RN, CNN*

1:50 Discussion

- **Pediatric Dietitian's Breakout Luncheon**

Presiding: Nonnie Polderman, RD; Roseanne Woloschuk, RD

Case Presentations: *Leah Oladitan, PG Dip, RD, CSP, LD; Peggy Solan, RD, CD*

2:00 **Break**

Session IV

2:10-3:30pm

Presiding: Steve Alexander, MD; Linda Jones, RN, MHA, CNN

- 2:10 Renal Anemia - *Bradley Warady, MD*
- 2:50 Major Infectious Complications - *Nancy McAfee, MN, RN, CNN; Raj Munshi, MD*
- 3:30 Break

Session V

3:40-5:00pm

Presiding: Alicia Neu, MD; Jessica Geer, MSN, C-PNP, CNN-NP

- 3:40 Cardiovascular Complications - *Franz Schaefer, MD*
- 4:20 Acute Kidney Injury (AKI), Continuous Renal Replacement Therapy (CRRT) - The Basics - *Jordan Symons, MD*
- 5:00 Adjourn



ADC Technician Program

Presented in cooperation with the Puget Sound ANNA Chapter and Northwest Renal Network

Dialysis technicians comprise a major portion of the workforce in dialysis facilities. They are essential members of the interdisciplinary team who interact with other healthcare providers and patients. This program is designed for dialysis technicians and other healthcare providers who participate in providing care for patients on dialysis therapy.

Program Objectives:

- Review the appropriate roles of the technician working in a dialysis facility.
- Describe current trends and major clinical areas of practice that are most affected by the dialysis technician.
- Discuss the impact of the technician's job performance on patient care outcomes.

9:55 Welcome - Leonor Ponferrada, BSN, RN, CNN;
Kristin McNeill, RN, CMSRN

Session I

Presiding: Kristin McNeill, RN, CMSRN

10:00 Keynote Address: Recognizing Your Value in the Delivery of Quality Care in Dialysis Patients - Danilo Concepcion, CBNT, CCHT-A

10:45 Water and Dialysate Safety: Your Role in Maintaining Quality - Glenda Payne, MSN, RN

11:30 Infection Control Practices in Dialysis
Barbara Dommert-Breckler, BSN, RN, CNN

12:15 Lunch- (provided)

12:30 Luncheon Session

Overview of the CKD Education Modules: What It Means to You - Lesley Dinwiddie, MSN, RN

Session II

Presiding: Barbara Dommert-Breckler, BSN, RN, CNN

1:15 Assessment of the Vascular Access - Peter Gregory, MD

2:00 Interdisciplinary Approach to Volume Management
Lisa Koester, MSN, CNN-NP

2:45 Managing Difficult Patients - Jenniffer Brown, BA

3:45 Break

Session III

Presiding: Nancy Colobong Smith, MN, ANP-BC, CNN

4:00 Collaborating with Nurses and the Dialysis Interdisciplinary Team to Foster an Effective Patient Care Team - Girolde Martelino, MBA

4:45 Summary, Discussion and Evaluations
Nancy Colobong Smith, MN, ANP-BC, CNN

5:00 Adjourn

Welcome & Awards Ceremony

Saturday, February 27, 2016

5:15-6:30 pm

**Ramesh Khanna, MD; Madhukar Misra, MD;
Leonor Ponferrada, BSN, RN, Presiding**

5:15 Welcome

5:20 Zbylut J. Twardowski Lifetime Achievement Award to Kirpal Singh Chugh, MD, FRCP (London), FACP, FAMS, FICP, D.Sc (GNDU), D.Sc (Pbi.Univ)
presented by Madhukar Misra, MD

5:25 2016 ISHD Belding H. Scribner Trail Blazer Award to Kirpal Singh Chugh, MD, FRCP (London), FACP, FAMS, FICP, D.Sc (GNDU), D.Sc (Pbi.Univ)
Presented by Andrew Davenport, MD

5:30 Karl D. Nolph Lifetime Achievement Award to Fredric Finkelstein, MD
presented by Ramesh Khanna, MD

5:35 Barbara F. Prowant Lifetime Achievement Award to Tony Goovaerts, RN
presented by Leonor Ponferrada, BSN, RN, CNN

5:40 Best PD Abstract
presented by Fredric Finkelstein, MD

5:45 Best HD Abstract
presented by Andrew Davenport, MD

5:50 Best Nursing Abstract
presented by Leonor Ponferrada

6:00 Best Pediatric Abstracts
presented by Steven Alexander, MD

6:05 Update on next ISPD Congress

6:15 Update on next ISHD Congress
Madhukar Misra, MD

6:30 Reception





Annual Dialysis Conference

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Sunday, February 28

The number that appears in [] brackets is the session number, please refer to this number when completing your conference registration.

General Session [01E]

- 9:00 Welcome - *Ramesh Khanna, MD; Madhukar Misra, MD; Leonor Ponferrada, BSN, RN, CNN*
- 9:10 **HD Keynote – Kidney Care of the Future: “The best way to predict your future is to create it.” Abraham Lincoln** - *Allen Nissenson, MD, FACP, FASN*
- 9:35 **PD Keynote: Stephen Vas Memorial Lectureship: Nephrology at a Crossroad** - *Frederic Finkelstein, MD*
- 10:00 Break

Barbara Prowant Lectureship: Nursing Keynote [10E]

Presiding: Leonor Ponferrada, BSN, RN, CNN

- 10:45 **Nursing-Sensitive Quality Indicators: Impact on Quality of Care and Outcomes**
Charlotte Thomas-Hawkins, PhD, RN
Nurses, as the principal frontline caregivers in any U.S. healthcare system, including dialysis settings, directly and profoundly affect the lives of patients and are critical to the quality of care they receive. The professional, research, and policy attention. A growing body of evidence demonstrates the influence of nursing personnel – and the stability of those personnel – on patient outcomes, health-care costs, and the professional atmosphere in which care is provided. Today, nursing-sensitive quality indicators are widely used as a barometer of quality care in hospital settings by the Centers for Medicare and Medicaid Services, the National Quality Forum, and the Magnet Recognition Program. With increased national attention on CMS End-Stage Renal Disease quality of care and performance indicators, it is essential to have a standardized, evidence-based set of nephrology nursing-sensitive quality of care indicators for quality improvement, patient safety, and public accountability in dialysis settings.
- 12:15 Lunch- (provided)

Lunch & Poster Session 12:15-2pm

Hemodialysis Sessions

AM Sessions

[10A] HD Debate

10:45am-12:15pm

Presiding: Chris McIntyre, DM, MBBS

- 10:45 Benefits of Home HD Make It an Ideal Therapy for Most Patients - *Christopher Chan, MD*
- 11:15 Home HD Is Not the Panacea for All Patients
Thomas Golper, MD
- 11:45 Rebuttals
- 12:15 Lunch- (provided)

[11A] Guidelines and Terminology Update

10:45am-12:15pm

Presiding: Michael Rocco, MD

- 10:45 KDOQI Nutrition, Vascular Access CPG Update
Michael Rocco, MD
- 11:05 KDOQI HD Adequacy CPG Update - *John Daugirdas, MD*
- 11:35 Standardized Terminology for Acute RRT - *Claudio Ronco, MD*
- 12:15 Lunch- (provided)

PM Sessions

[20A] HD Nursing

2:00-4:00pm

Presiding: Amy Wallen, MSN, RN

- 2:00 Pathophysiology of Hypertension: Central Role of Sodium
Suhail Ahmad, MD
- 2:40 Volume Management: A Central Component of Dialysis Care - *John Agar, MBBS*
- 3:20 Oxygen: Who Needs It During Dialysis? - *Ann Diroll, RN, CNN*
- 4:00 Break

[21A] 2016 Home Hemodialysis Machines: How They Can Provide Optimal Hemodialysis

2:00-4:00pm

Presiding: Robert Lockridge, MD

- 2:00 Baxter VIVA Hemodialysis System - *Angelito Bernardo, MD; Matt Muller, PhD*
- 2:15 Fresenius 2008K@Home - *Jessica Bennett, RN, CDN*
- 2:30 NxStage System One - *Daniel Call*
- 2:45 PHYSIDIA S³ - *Roula Galland, MD*
- 3:00 Outset - Tablo - *Michelle Carver, BSN, RN, CNN*
- 3:15 Quanta SelfCare+ - *Peter Hoyer*
- 3:30 Summary and Discussion - *Robert Lockridge, MD*
- 4:00 Break



[40A] Home Hemodialysis Machines**4:45-6:00pm****Presiding: Robert Lockridge, MD**

4:45 Demonstration of Machines

5:30 Discussion

6:00 Adjourn

[41A] DOPPS Session**4:45-6:00pm****Presiding: David Goodkin, MD, FASN; Rajiv Saran, MD, MRC**4:45 The DOPPS Approach: Leveraging Variability in Dialysis Care to Identify Best Clinical Practices - *Rajiv Saran, MD, MRCP*5:05 Most Recent Trends in U.S. Dialysis Care from The DOPPS Practice Monitor - *David Goodkin, MD, FASN*5:25 Early Findings from the Peritoneal Dialysis Outcomes and Patterns Study - *Kristin Corapi, MD*

5:45 Discussion

6:00 Adjourn

[42A] HD: Clinical Topics**4:45-6:00pm****Presiding: Karen Wiesen, MS, RD**4:45 Iron Metabolism and New Iron Binders - *Lisa Gutekunst, MSEd, RD, CSR*5:20 Vitamin K: From Coagulation to Calcification
Sagar Nigwekar, MD, MMSc

5:50 Discussion

6:00 Adjourn

Peritoneal Dialysis Sessions

PM Sessions**[20B] PD Nursing Fundamentals 1****2:00-4:00pm****Presiding: Maria Luongo, RN, BA, MSN**2:00 Basic and Advanced Peritoneal Membrane Physiology
*Steven Guest, MD*2:45 Utilizing the Peritoneal Equilibration Test (PET) to Assess Membrane Characteristics - *Maria Luongo, RN, BA, MSN*3:15 Prescription Challenges: Interactive Discussion
Steven Guest, MD; Maria Luongo, RN, BA, MSN

4:00 Break

[21B] PD Nursing: Clinical Topics 1**2:00-4:00pm****Presiding: Kathryn Renee Williams, BSN, RN, CNN**2:00 Incremental Dialysis and Flexibility of PD Prescriptions
*Brent Miller, MD*2:30 Use of APD vs. CAPD - *Shubha Ahya, MD*3:10 Indications for Tidal Peritoneal Dialysis
Jeannine Farina, MSN, RN

3:50 Discussion

4:00 Break

[40B] PD Nursing Fundamentals: PD Access**4:45-6:00pm****Presiding: Donna Maaz, BSN, RN**4:45 A Nurses Guide to Successful PD Catheter Placement
*Anjali Saxena, MD*5:15 Fluoroscopic PD Catheter Placement: Benefits and Outcomes - *Rajeev Narayan, MD*5:40 PD Catheter Exit Site Care - *Debra Appleton, RN, MN, CNeph(C)*

6:00 Adjourn

[41B] PD Nursing Clinical Topics: Dialysis Adequacy Workshop**4:45-6:00pm****Presiding: Joanna Neumann, RN**4:45 Best Practices to Achieve PD Adequacy
*Marina Villano Pascarelli, MSN, RN, CNN*5:15 Protein Equivalent of Total Nitrogen Appearance (nPNA): What Is Its Clinical Significance? - *Cathi Martin, RD*5:35 Case Presentations: Strategies to Meet PD Adequacy and Discuss Barriers to Accurate Measurement and Interpretation - *Marina Villano Pascarelli, MSN, RN, CNN*

6:15 Adjourn

PD Fundamentals

AM Sessions**[10B] PD Clinical Topics****10:45am-12:15pm****Presiding: Eric Wallace, MD**10:45 Peritoneal Dialysis Catheter- Current Status and Recommendation - *Steven Guest, MD*

11:15 Impact on Outcomes - Changes in Anemia

Management in the Past Decade - *Kunal Malhotra, MD*11:45 Peritoneal Dialysis First: What's the Impact on Patient Outcome? - *Michael Rocco*

12:15 Lunch- (provided)

PM Sessions**[22B] Peritonitis****2:00-4:00pm****Presiding: William Salzer, MD**2:00 Peritonitis Prevention - *Kunal Chaudhary, MD*2:30 Atypical Causes of PD Peritonitis and Treatment
*William Salzer, MD*3:00 Management of Catheter Related Peritonitis Including the Optimum Time for its Removal - *Scott Bieber, DO*3:30 Non-infectious Causes and Management of Cloudy PD Effluent - *Kunal Malhotra, MD*

4:00 Adjourn



[23B] Improving Care of PD Patients**2:00-4:00pm****Presiding: Preethi Yerram, MD, MS, FASN**

- 2:00 EPS in the U.S. – What Can We Learn From Japanese Experience? - *Joni Hansson, MD*
- 2:20 Risk Factors for Calciphylaxis: Is PD a Risk Factor? Where Is the Evidence? - *Preethi Yerram, MD, MS, FASN*
- 2:40 Management of Ultrafiltration Failure Including the Role of Resting the Peritoneal Membrane
Eric Wallace, MD
- 3:00 Basics of PD Catheter Placement: Patient Selection, Timing of Placement, Pre-op Assessment
Kirt Nichols, MD, MHA
- 3:20 Phosphorus Control in PD Patients – Traditional and New Approaches - *Rachel Fissell, MD*
- 3:40 Discussion
- 4:00 Adjourn

[42B] Cardiovascular Issues in Dialysis Patients**4:45-6:00pm****Presiding: Martin Alpert, MD**

- 4:45 The Role of Ultrafiltration in the Management of Chronic Refractory Heart Failure - *Martin Alpert, MD*
- 5:10 Cardiovascular Evaluation in Preparation for Renal Transplantation - *Kul Aggarwal, MD*
- 5:40 Pulmonary Hypertension in Dialysis Patients: Pathogenesis and Management - *Harjyot Sohal, MD, FCCP*
- 6:00 Adjourn

[21C] Professional Development: Abstract Boot Camp**2:00-4:00****Presiding: Mary Schira, PhD, RN****Presenter:** *Cynthia Russell, PhD, RN, FAAN***Facilitators:** *Cynthia Russell, PhD, RN, FAAN; Mary Schira, PhD, RN; Lesley Dinwiddie, MSN, RN; Jeannine Farina, MSN, RN*

When you are listening to a presentation, do you sometimes think “I could do a presentation like that!” I wish I had submitted an abstract to this conference!” This is your opportunity to make that dream into reality for next year’s conference. We will provide lots of information on developing and submitting an abstract. Come with ideas and early drafts of an abstract and experts will then guide you through the process of writing your abstract.

[40C] Joint Physician and Nursing Session**Dialysis in the 21st Century: Environmental Challenges Ahead:****Views, Visions and Vistas in Dialysis****4:45-6:00pm****Presiding: Danilo Concepcion, CBNT, CCHT-A**

- Climate Change and Us: What Nephrologists and Other Healthcare Providers Need to Know - *John Agar, MBBS*
- Re-using and Re-cycling Dialysis Reverse Osmosis Reject Water - *John Agar, MBBS*

Integrated Sessions**AM Sessions****[13C] Biology of Skeletal Muscle Wasting in Chronic Kidney Disease/ESRD****10:45-12:15****Presiding: Eli Friedman, MD, FACP, FRCP**

- 10:15 Role of Renin-Angiotensin System in Skeletal Muscle Wasting - *Patrice Delafontaine, MD*
- 11:25 Skeletal Muscle Wasting in CKD/ESRD – Clinical Implications - *William E. Mitch, MD*
- 12:05 Discussion
- 12:15 Adjourn

PM Sessions**[20C] Effective Patient Education****2:00-4:00pm****Presiding: Leanne Peace, MSW, LCSW, MHA**

- 2:00 **Keynote: Health Literacy: An Essential Component to Providing Person-Centered Care** - *Terri Parnell, PhD, RN*
- 2:45 Impact of Health Literacy on Kidney Patients’ Care
Glenda Payne, MS, RN
- 3:15 Partnering with Your Patients to Use Teach Back
Andrea Dotson, CHES
- 3:45 Patient/Family Advisor Perspective - *Katy Folk-Way, BA*
- 3:55 Discussion
- 4:00 Break

Symposium on Pediatric Dialysis**AM Sessions****[10D] Session I — HOT TOPICS I: Collaborative Projects Reports****10:45am-12:15pm****Presiding: Brad Warady, MD**

- 10:45 International Pediatric Dialysis Network (IPDN)
Franz Schaefer, MD
- 11:15 Standardizing Care to Improve Outcomes in Pediatric ESRD (SCOPE) Collaborative - *Alicia Neu, MD*
- 11:45 Nephrotoxic Injury Negated by Just-in-time Action (NephroNINJA) - *Stuart Goldstein, MD*
- 12:15 Lunch- (provided)

[11D] Pediatric Renal Nutrition I**10:45-12:15****Pediatric Malnutrition; Putting New Definitions into Practice***Linda Phelan, RD, CSR, LD*

PM Sessions

Pediatric Breakout Luncheon Sessions

- **[30D] Pediatric Luncheon**
12:15-1:15pm
The Pediatric Dialysis Program Integrated Within an Adult Care Facility: Challenges and Opportunities (A Facilitated Group Discussion) - *Valerie Parker, RN; Olivera Couloures, MD; Fredric Finkelstein, MD*
- **[31D] Fellows' Luncheon and Dialysis Competency Exam**
12:15-1:15pm
Presiding: John Mahan, MD
- **[32D] Pediatric Nurses Luncheon**
12:15-1:15pm
Moderator: Jessica Geer, MSN, C-PNP, CNN-NP
Oxalosis - Eileen Brewer, MD
- **[33D] Pediatric Nutrition Luncheon**
12:15-1:15pm
Nutritional Management of Hypervitaminosis A in CKD
Kirsten Thompson, MPH, RDN, CSR

Faculty Guided Tours of Pediatric Posters

1:15-2:00pm

Session II — Best Abstracts

[20D] 2:00-4:00pm

Presiding: Helen Currier, BSN, RN, CNN, CENP; Bradley Warady, MD

- 2:00 **Pediatric Keynote: Saving Young Lives – the Zero by 2025 Initiative** - *Fredric O. Finkelstein, MD; Bill Smoyer, MD*
- 3:15 **Best Abstract #1: Implementation of Standardized Practice Care Bundles for Insertion of Peritoneal Dialysis Catheters in Children: Impact on Peritoneal Dialysis Related Infections in the Post-Op Period** - *Allison Redpath Mahon, MD, MPH*
- 3:30 **Best Abstract #2: Faster Rate of Fluid Removal Is Associated With Decrease in Central Venous Oxygen Saturation** - *Jessica Geer, MSN, CPNP*
- 3:45 **Best Abstract #3: Exit Site Infections in Pediatric Peritoneal Dialysis: Findings from the Standardizing Care to Improve Outcomes in Pediatric End Stage Renal Disease Collaborative** - *Michael Somers, MD*
- 4:00 Break

[21D] Pediatric Nutrition II

3:00-4:00pm

Research and Publishing in Your Own Practice

Leah Oladitan, PG Dip, RD, CSP, LD

[40D] Visit Dialysis Museum and Seattle Childrens' Hospital Dialysis Center

4:45-6:00pm

Tour limited to the first 50 registrants

Monday, February 29

Fellows Forum [01F]

8:00am-12:00pm

Eli Friedman, MD, FACP, FRCP, Presider

8:00 Ethical Stresses in the Delivery of Maintenance

Hemodialysis - *Eli Friedman, MD, FACP, FRCP*

A complete list will be posted on the website as it becomes available

Slide Forums [02F]

8:00am-12:00pm

See pages 16-17 for a detailed listing.

Lunch & Poster Session

12:15-2:00pm

See pages 18-20 for a detailed listing.

Hemodialysis Sessions

AM Sessions

[12A] HD Debate

10:45am-12:15pm

Presiding: TBA

- 10:45 Tight Blood Pressure Control is Key to Improving CV Outcomes in HD Patients - *Andrew Davenport, MD*
- 11:15 There Is No Hard Evidence to Support Strict Control of Blood Pressure in HD Patients - *Kam Kalantar-Zadeh, MD*
- 11:45 Rebuttals
- 12:15 Lunch- (provided)

[13A] HD - Clinical Topics

10:45am-12:00pm

Presiding: Amy Wallen, MSN, RN

- 10:45 Treatment and Prevention of CRBSI: What's New? *Lesley Dinwiddie, MSN, RN*
- 11:15 Use of Heparin in Dialysis: Risks and Benefits? *Lisa Koester, MSN, CNN-NP*
- 11:45 Discussion
- 12:00 Lunch- (provided)



PM Sessions

[22A] Diagnostic Testing in ESRD

2:00-4:00pm

Presiding: TBA

- 2:00 The Use and Interpretation of Troponin
Brian Bostick, MD, PhD
- 2:25 HbA1c in ESRD: What You Need to Know
Kamyar Kalantar-Zadeh, MD
- 2:50 PTH/ALP or Both? How to Make Sense of CKD MBD
Ian De Boer, MD
- 3:15 Interpreting Serum and Dialysate Sodium in HD Patients
Andrew Davenport, MD
- 3:40 Discussion
- 4:00 Adjourn

[23A] Hemodialysis Access

2:00-4:00pm

Presiding: Tony Goovaerts, RN

- 2:00 Buttonholes: Love 'em or Hate 'em - Is There Balance in the Force? - *Robert Pauly, MD, MSc*
- 2:40 HD Access Dysfunction - *Peter Gregory, MD*
- 3:20 Medical Issues Related to Vascular Access - *Amy Wallen, MSN, RN*
- 4:00 Break

[43A] Dialyzing Challenging Patients

4:45-6:00pm

Presiding: Barbara Dommert-Breckler, BSN, RN, CNN

- 4:45 Dialyzing the Pediatric Patient in an Adult Unit
Theresa Mottes, RN
- 5:05 Patients with Cardiac Assist Devices (LVAD/ECMO) on Hemodialysis - *Nancy Colobong Smith, MN, ANP-BC, CNN; Janet Regan-Baggs, DNP, RN, ACNS-BC*
- 5:25 Patients with Hepato-renal Conditions
Nidyanandh Vadivel, MD
- 5:50 Discussion
- 6:00 Adjourn

[44A] Learn From Your Colleagues Panel Discussion: Practical Solutions to Practical Problems in HD

4:45-6:00pm

Moderator: Lisa Koester, MSN, CNN-NP

Panelists: *Michelle Carver, BSN, RN; Amy Wallen, MSN, RN; Danilo Concepcion, CBNT, CCHT-A; Lisa Gutekunst, MEd, RD, CSR*

Attendees in this session will have the opportunity to network with experienced HD practitioners, hear case presentations and ask questions about HD issues including:

- Patient Care Management
- Ultrafiltration
- Infections
- Technical Issues
- Home Hemodialysis
- Vascular Access
- Nutrition

[45A] Improving Quality of Care in Hemodialysis

4:45-6:00pm

Presiding: TBA

- 4:45 Outpatient Dialysis for Patients with Acute Kidney Injury: Clinical and Policy Considerations - *Mike Heung, MD*
- 5:05 Primary Care of Dialysis Patients: Implications for Quality Improvement - *Vahakn Shahinian, MD, MS*
- 5:25 Vascular Access: Trends and Practice Patterns – Are There New Lessons? - *Rajiv Saran, MD, MRCP*
- 5:45 Discussion
- 6:00 Adjourn

Peritoneal Dialysis Sessions

AM Sessions

[01B] PD Nursing Fundamentals: Peritoneal Infections and Inflammation

8:00-10:00am

Presiding: Maria Luongo, RN, BA, MSN

- 8:00 Why Patients Develop Peritonitis - *Elizabeth Kelman, RN*
- 9:00 What's Bugging Your Patients? Key Management Strategies for PD-related Infections - *Kathryn Renee Williams, BSN, RN, CNN*
- 9:50 Discussion
- 10:00 Break

[11B] PD Nursing Fundamentals

10:45am-12:00pm

Presiding: Joanna Neumann, RN

- 10:45 Fluid Management: Rethinking How We Maintain Euvolemia - *Michelle Hofman, BSN, RN*
- 11:15 Indications and Use of Icodextrin in PD - *Shweta Bansal, MD*
- 11:45 Discussion
- 12:00 Lunch- (provided)

PM Sessions

[24B] PD Nursing Clinical Topics

2:00-4:00pm

Presiding: Jeannine Farina, MSN, RN

- 2:00 After Urgent Start, What's Next? Developing a Follow-up Plan - *Maria Luongo, RN, BA, MSN*
- 2:35 Making the Most of Clinic Visits - *Joanna Neumann, RN*
- 3:05 Improving Your Time Management Skills
A. Jennifer O'Connor, RN, BSN
- 3:45 Discussion
- 4:00 Break

[43B] PD Nursing: Learn From Your Colleagues Panel Discussion Practical Solutions to Practical Problems in PD

4:45-6:00

Moderator: Maria Luongo, MSN, RN

Panelists: *Shweta Bansal, MD; Karen Wiesen, MS, RD; Joanna Neumann, RN,*

Attendees in this session will have the opportunity to network with experienced PD practitioners, hear case presentations and ask questions about PD issues including:

- Diagnosis and Management of Peritonitis
- PD Catheter Care and Catheter Problems
- Trouble Shooting
- Patient Management Issues



PD Fundamentals

PM Sessions

[25B] Clinical Topics

2:00-4:00pm

Presiding: Michael Flessner, MD, PhD

- 2:00 PTH Assay – A Useful Tool or a Waste of Resources?
Scott Brimble, MD
- 2:30 Can Serum Albumin be Normalized in PD Patients?
What Are the Barriers? - *Anjali Saxena, MD*
- 3:00 Peritoneal Fibrosis – Can It Be Prevented/Slowed?
Michael Flessner, MD, PhD
- 3:30 Nano Particles: What Are They Doing in Peritoneal
Dialysis? - *Kunal Chaudhary, MD*
- 4:00 Break

[44B] Clinical Updates

4:45-6:00

Presiding: Raymond Krediet, MD, PhD

- 4:45 Peritoneal Equilibration Test – How It Has Changed
Over Time and its Clinical Application
Raymond Krediet, MD, PhD
- 5:10 The Triple Threat to Achieving Normophosphatemia in
ESRD - *Richard Sherman, MD*
- 5:35 Clinical Application of Effluent CA125
Raymond Krediet, MD, PhD
- 6:00 Adjourn

Peritoneal Dialysis in North America

*Presented in Cooperation with the North American Chapter of
International Society of Peritoneal Dialysis, (ISPD)*

8:00 Introductions

**Presiding: Thomas Golper, MD;
Fredric Finkelstein, MD**

[01G] Growth of PD in North America

8:15-10:00am

- 8:15 PD in the United States - *Anjali Saxena, MD*
- 8:35 PD in Canada - *Scott Brimble, MD*
- 8:55 The PD Solution Shortage - *Thomas Golper, MD*
- 9:20 Economics of PD: The Future Including Integrated
Care Models - *Suzanne Watnick, MD*
- 9:50 Discussion
- 10:00 Break

[10G] Urgent Peritoneal Dialysis

10:45am-12:15pm

- 10:45 Nephrologist Approach to Urgent PD Start
Arsh Jain, MD, FRCPC
- 11:05 Surgeon Approach to Urgent Catheter Insertion
Zoe Parr, MD
- 11:25 Nursing Aspects of Urgent PD Start
Cheryl Groenhoff, RN, MSN, MBA/HCM, CNN
- 11:45 PD for AKI - *Fredric Finkelstein, MD*
- 12:05 Discussion
- 12:15 Lunch- (provided)

[20G] PD Research Studies Update

2:00-2:30pm

- 2:00 NARC Catheter Study - *Rachel Fissel; Eric Wallace, MD*
- 2:20 PDOPPS - *Kristin Corapi, MD*

[21G] Palliative Care and Peritoneal Dialysis

2:30-4:00pm

- 2:30 New Emphasis on Palliative Care in Advanced CKD
Sara Davison, MD
- 2:55 A Palliative Approach to PD - *Fredric Finkelstein, MD*
- 3:20 Symptomatic Management of the PD Patient:
Assessment and Approach - *Scott Bieber, DO*
- 3:45 Discussion
- 4:00 Break

[40G] Protecting the PD Membrane

4:45-6:30pm

- 4:45 Incremental PD - *Arsh Jain, MD, FRCPC*
- 5:05 Volume Management in PD - *Scott Brimble, MD*
- 5:25 EPS Prediction and Prevention - *Joni Hansson, MD*
- 5:45 Dose in PD and Glucose Exposure – What's in Kt/V?
Joel Glickman, MD
- 6:05 Future Strategies - *Mike Flessner, MD, PhD*
- 6:20 Discussion
- 6:30 Adjourn



Integrated Sessions

AM Sessions

[01C] Clinical Topics

8:00-10:00am

Presiding: Lisa Koester, MSN, CNN-NP

- 8:00 Lupus Nephritis - *Mary Schira, PhD, RN*
8:40 HIV Update: Survival and Current Management
Christopher Blosser, MD
9:20 Transplant Update - *Christopher Johnson, MD*
10:00 Break

[02C] Joint Nursing and Dietitian Session: Wound Healing in CKD

8:00-10:00am

Presiding: Karen Wiesen, MS, RD

- 8:00 Wound Assessment in CKD - *Lesley Dinwiddie, MSN, RN*
8:30 Role of Nutrition in Wound Healing - *Cathi Martin, RD*
9:15 Management and Prevention - *Cora Espina, ARNP, CWCN*
9:50 Discussion
10:00 Break

[10C] Dialysis in Nursing Homes and Residential Care Facilities: Triumphs and Challenges

10:45am-12:15pm

Presiding: Glenda Payne, MSN, RN

Panelists: Nola McMullen, RN; Susan Markovich, RN

This is an interactive session featuring a panel of providers who will discuss the current state of CMS regulation of providing dialysis in the nursing home setting.

- An Update on CMS and State Regulations
- Challenges and Opportunities in Delivering Hemodialysis in Long Term Care Facilities
- Outcomes

PM Sessions

[22C] Management of CKD Mineral Bone Disease

2:00-4:00pm

Presiding: Karen Wiesen, MS, RD

- 2:00 Physiology/Assessment - *Mary Schira, PhD, RN*
2:30 Management Recommendations - *Bryan Kestenbaum, MD*
3:00 Phosphorus Bioavailability in Food: What Should We Be Teaching Our Patients? - *Lisa Gutekunst, MEd, RD, CSR*
3:45 Discussion
4:00 Break

[23C] The Elderly Patient with ESRD

2:00-4:00pm

Presiding: Leanne Peace, MSW, LCSW, MHA

- 2:00 Functional Assessment of the Frail Elderly
Judith Beto, PhD, RDN
2:30 Patient Education: A Key Factor in Decision Making and Modality Choice - *Dorian Schatell, MS*
3:00 PD and Assisted PD in the Elderly - *Debra Appleton, RN, MN, CNeph(C)*
3:30 Centering Care on the Patient: Considerations in Caring for Older Adults with Advanced Kidney Disease
Ann O'Hare, MD
4:00 Break

[41C] Workshop: Improving the Patient Experience of Care 4:45-6:00

Presiding: Leanne Peace, MSW, LCSW, MHA

Michelle Richardson, PharmD

Limited to the first 25 who register to attend this session.

This is an interactive workshop applicable to all disciplines, regardless whether the participant has a managerial role or not. A brief introduction and background information will be provided including the ICH CAHPS and strategies to improve patient experience. Group work will follow creating a quality improvement plan to address problems with patient experience at an in-center hemodialysis facility. The goal is for participants to leave the session with confidence in their ability to affect patient experience in a positive manner having received useful tips and best practices and having gone through the process.

Symposium on Pediatric Dialysis

AM Sessions

[01D] Session III — Symposium on Prenatal Diagnosis and Therapy of Fetal Renal Disorders

8:00-10:00am

Presiding: Steve Alexander, MD; Aviva Goldberg, MD

- 8:00 Prenatal Diagnosis and Counseling - *Paul Grimm, MD*
8:30 Fetal Surgery for Renal Disorders: State of the Art
Rodrigo Ruano, MD, PhD
9:00 The Neonate with ESRD: Dialysis Techniques and Outcomes
Cynthia Wong, MD; Bradley Warady, MD
9:30 Panel Discussion- Offering/Declining Therapies for Neonatal Renal Disorders: Guiding Ethical Principles
Moderator: Aviva Goldberg, MD
Panelists: Paul Grimm, MD; Rodrigo Ruano, MD, PhD; Cynthia Wong, MD; Bradley Warady, MD
10:00 Break

[02D] Pediatric Renal Nutrition III

8:00-10:00am

Presiding: Roseanne Woloschuk, RD; Nonnie Polderman, RD
Perinatal Renal Nutrition - *Linda Phelan, RD, CSR, LD*

[12D] Session IV — HOT TOPICS II

10:45am-12:15pm

Presiding: Franz Schaefer, MD

- 10:45 Is Hemodiafiltration Also the Superior Dialysis Modality for Children - *Rukshana Shroff, MD*
11:10 The Wearable Artificial Kidney - *Raj Munshi, MD*
11:35 Oxalosis: Update on Pre- and Peri-Transplant Management
Bernd Hoppe, MD, PhD
12:00 **Best Abstract #4:** Risk Factors for Peritonitis in Infants
Joshua Zaritsky, MD, PhD
12:15 Luncheon



[13D] Pediatric Renal Nutrition V**10:45-12:15**

Presiding: Rosanne Woloschuk, RD; Nonnie Polderman, RD
Growth Hormone and Nutrition: Primer and Practice for RD's
John Mahan, MD; Terri Capello, MS, RD, LD

[15D] Pediatric Nursing Breakout**10:45-12:15**

- Alphabet Soup - Amy Nau, RN, MSN, MBA, CNN
- There's An App For That - Ari Pollack, MD

PM Sessions**Optional Pediatric Breakout Luncheon Sessions****12:15-1:15pm**

- [34D] US Providers Luncheon: CMS Update: ESRD-QIP**
Mark Joseph, MD
- [37D] Pediatric Nursing Case Luncheon Symposium**
Quiz the Experts
Moderators: Jessica Geer, MSN, C-PNP, CNN-NP; Linda Jones, RN, MHA, CNN
Expert Panelists: Colleen Klosterman, C-PNP; Nancy McAfee, MN, RN, CNN; Theresa Mottes, RN
- [38D] Pediatric Renal Dietitian Luncheon: Stump the Renal Dietitian - Nonnie Polderman, RD**
Presiding: Roseanne Woloschuk

Faculty Guided Tours of Pediatric Posters**1:15-2:00pm****[22D] Session VI — Exercise in the Dialysis Program****2:00-4:00pm****Presiding:** Linda Jones, RN, MHA, CNN; Franz Schaefer, MD

- 2:00 Exercise as Medical Therapy: What Does the Data Show?
Bernd Hoppe, MD, PhD
- 2:30 Impact of Intra-Dialytic Exercise on the Patient Experience
Leslie Meigs
- 3:00 Special Lecture: International Guidelines on Diagnosis and Management of aHUS: A Critical Appraisal
Ruth McDonald
- 3:30 **Best Abstract #5:** Incidence of Hearing Loss on Baseline and Post-exposure Hearing Evaluations in Pediatric Patients with End-stage Renal Disease on Dialysis Receiving Ototoxic Antibiotic Therapy - Ji Lee, PharmD
- 3:45 **Best Abstract #6:** Promoting "Green" Dialysis: Water Conservation in a Pediatric Hemodialysis Unit
Cynthia J Wong, MD
- 4:00 Break

[41D] Pediatric Staffing for Productivity**4:45-6:00pm**

Presiding: Helen Currier, BSN, RN, CNN, CENP; Tina Ninan
 Staffing – on call, safe harbor, state/fed laws (minimum), WHUPOS, Per Diem Staff (Travelers), training issues, cost, tech utilization, contracting, turnover/recruitment/retention minimum structure/roles
 CfC mandates Staffing

Tuesday, March 1

Hemodialysis Sessions

AM Sessions**[01A] ESRD in 2016: What is New?****8:00-10:00am****Presiding:** Madhukar Misra, MD

- 8:00 Wearable Kidney: Late Breaking Clinical Trial
Victor Gura, MD
- 8:20 Future Directions in Research: Patient Reported Outcomes
Chris McIntyre, DM, MBBS
- 8:40 Managing Hyperkalemia in Renal Disease - New Tools
Bernard Canaud, MD, PhD
- 9:00 RRF on Dialysis: What Do We Know in 2016?
John Daugirdas, MD
- 9:20 Hidden Phosphorus: Sources & Implications for Dialysis Patients - Richard A. Sherman, MD
- 9:40 Discussion
- 10:00 Adjourn

[02A] Innovations in Dialysis**8:00-10:00am****Presiding:** Leanne Peace, MSW, LCSC, MHA

- 8:00 Modified Albumin Dialysis for Liver Disease
Suhail Ahmad, MD
- 8:30 Kidney on a Chip - Ying Zheng, PhD
- 9:00 Wearable Kidney - Matthew Rivara, MD
- 9:30 ol-HDF in Outpatient Setting Using Hemodialysis Machine
Suhail Ahmad, MD
- 10:00 Break

[14A] HD Debate**10:45am-12:00pm****Presiding:** John Daugirdas, MD

- 10:45 AV Fistula Improves Cardiovascular Hemodynamics in CKD
Chris McIntyre, DM, MBBS
- 11:15 Patient First or Fistula First: The Need for Clinical Judgement for Vascular Access - Bernard Canaud, MD, PhD
- 11:45 Rebuttals
- 12:00 Adjourn

Peritoneal Dialysis Sessions

AM Sessions**[02B] PD Clinical Topics****8:00-10:00am****Presiding:** Donna Maaz, BSN, RN

- 8:00 Clinical Approaches to the Patient with Ultrafiltration Failure
Elizabeth Kelman, RN
- 8:40 Calciphylaxis: Incidence and Management in PD Patients
Sagar Nigwekar, MD, MMSc
- 9:20 Strategies to Prevent Hospitalization in PD Patients
Debra Appleton, RN, MN, CNeph(C)
- 9:50 Discussion
- 10:00 Break

[03B] PD Nursing Fundamentals: Patient Education**8:00-10:00am****Presiding: Maria Luongo, RN, BA, MSN**

- 8:00 Tips to a Successful Home Training
Joanna Neumann, RN
- 8:45 Home Dialysis Training in the 21st Century
Patricia Waiblinger, RN, CNN
- 9:15 Challenges in Teaching Patients with Memory Loss
Jennifer Brown, BA
- 9:45 Discussion
- 10:00 Break

Integrated Sessions**AM Sessions****[03C] Economics of Dialysis Care****8:00-10:00am***Presented in cooperation with the National Renal Administrator's Association (NRAA)***Presiding: Debbie Cote, MSN, RN**

- 8:00 History of Dialysis Reimbursement, From the Beginning to Now - *Tony Messina*
- 8:45 The Bundle-What's In/What's Out? How Much In It, For What? - *Sue Rottura*
- 9:05 Measure Madness: QIP/5-Star/DFR and What It Means to Your Facility - *Karen Kelley, MHA, BSN, RN, CNN*
- 9:50 Discussion
- 10:00 Break

[11C] Plenary Session: Using Alternative Medication: Medical Cannabis (Marijuana) – Benefits and Harmful Effects**10:45am-12:00pm***Jennifer Kapur, PharmD*

More states are passing laws that allow people to use medical marijuana as therapy to treat disease or alleviate symptoms. Its usage, however, is still controversial, and certain medical organizations such as the American Medical Association (AMA) and the American Society of Addiction Medicine have issued statements voicing multiple concerns about medical marijuana use.

Join Dr. Kapur in this session and find out what does medical marijuana treat, and who can and should use it? Find out how it works, how it is used and the risks and limitations of this product.

[12C] Hepatitis C Virus Infection (HCV): Challenges and Opportunities**10:45am-12:00pm****Presiding: Nancy Colobong-Smith, MN, ANP-BC***Paul Pottinger, MD; Vanessa Makarewicz, RN-BC, MN*

The prevalence of hepatitis C virus is higher in hemodialysis patients than in the general population. This session will discuss different aspects of HCV including risk factors, medical diagnosis, management and strategies to prevent spread of the disease.

Symposium on Pediatric Dialysis**AM Sessions****[03D] Session VI — Ethical Care for the Emotionally Difficult Patient, Family****8:00-10:00am****Presiding: Jessica Geer, MSN, C-PNP, CNN-NP;****Bradley Warady, MD****Moderator: Aviva Goldberg, MD**

- Disruptive Parent
- Autistic Patient
- Medical Foster Care

10:00 Break

[04D] Pediatric Renal Nutrition V**8:00-10:00am****Presiding: Roseanne Woloschuk, RD; Nonnie Polderman, RD**

- QI for the RD - *Brian Buck; Peggy Solan, RD, CD*
- Benefits of Early, Aggressive Nutrition in Children with CKD
Rose Ayoob, MD; Terri Capello, MS, RD, LD

10:00 Break

[14D] Session VII — My Favorite Paper**10:45am-12:00pm****Presiding: Alicia Neu, MD; Amy Nau, RN, MSN, MBA, CNN**

- 10:45 Basic Science/Physiology - *Bill Smoyer, MD*
- 11:00 Clinical Nephrology - *Dal Hothi, MBBS, MRCPCH, MD*
- 11:15 Nutrition - *Kirsten Thompson, MPH, RDN, CSR*
- 11:30 Nursing - *Valerie Parker, RN*
- 11:45 CRRT - *Raj Munshi, MD*
- 12:00 Adjourn



Accreditation

Physicians

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

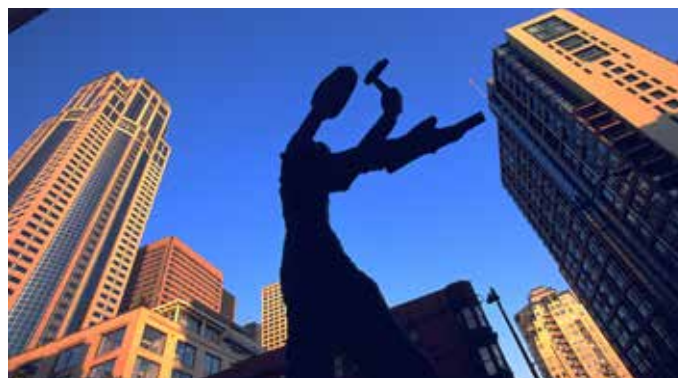
The Office of Continuing Education, School of Medicine, University of Missouri designates these live educational activities, based on the preliminary agenda, the following hours of *AMA PRA Category 1 Credit(s)*™:

- 36th Annual Dialysis Conference (February 28 - March 1) up to 18.75 hours
- The Fundamentals of Dialysis in Children (February 27) up to 8.5 hours
- A Comprehensive Course in Hemodialysis (February 27) up to 7.75 hours
- Home Hemodialysis Symposium (February 27) up to 8.25 hours
- Peritoneal Dialysis Management: Clinical Aspects (February 27) up to 7.5 hours

Physicians should only claim credit commensurate with the extent of their participation in the activity.

Social Workers

Social Work credit will be provided by the University of Missouri, School of Social Work.



Located on the southern edge of downtown Seattle, Pioneer Square holds a glimpse of Seattle's history with ornate street lamps and massive totem poles. Photo by Howard Frisk

Nurses

University of Missouri Sinclair School of Nursing is an approved provider of continuing nursing education by the Midwest Multistate Division, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Contact Hours will be awarded for the following offerings, based on the preliminary agenda:

- 36th Annual Dialysis Conference (February 28 - March 1) up to 18.75 hours
- The Fundamentals of Dialysis in Children (February 27) up to 8.33 hours
- A Comprehensive Course in Hemodialysis (February 27) up to 7.75 hours
- Home Hemodialysis Symposium (February 27) up to 8.25 hours
- Peritoneal Dialysis Management: Clinical Aspects (February 27) up to 7.5 hours
- ADC Technician Program (February 27) up to 6.25 hours

Midwest Multistate Division Approval Number 716-VII.

Dietitians

Dietitians can receive CPEU's for this meeting from the Commission on Dietetic Registration. CPEU's are based on 1 credit per hour attended. They must keep a copy of the final program and conference certificate in their portfolio.

Certificates:

A certificate of attendance can be downloaded and printed at the time you complete your online evaluation.

As part of the City of Seattle's public arts program, The Seattle Arts Commission installed Hammering Man on September 12, 1992 at the entrance to the Robert Venturi designed Seattle Art Museum. Photo by Tim Thompson



Slide Forums • Monday, February 29

Slide Forum I

Advances in Dialysis Delivery

8:00-9:45am

- 8:00 Water and the Solute Removal in the Neutralized Icodextrin Peritoneal Dialysis Fluid - *Satoshi Shimada, MD*
- 8:15 Applying an Integrated Care Pathway to PD Catheter Insertion Improves Patient Outcomes - *Venkat Gangaram*
- 8:30 Relationship Between Albumin Loss and Technical Specifications of the Dialyzer Without Changing Membrane Permeability - *Narumi Tomisawa, PhD*
- 8:45am Human Factors Testing Results for a Novel Hemodialysis System Designed for Patient Use Simplicity with a Low Training Burden - *Michelle Carver, RN*
- 9:00 Evaluation of Membrane Fouling During Ultrafiltration Using Aqueous Dextran and Albumin Solution - *Akihiro Yamashita, PhD*
- 9:15 Endotoxemia as a Risk Factor in Systemic Inflammation and Cardiovascular Disease in Patients on Maintenance - *Hesham ElSayed, MD, PhD*
- 9:30 A Prospective Study of Routine Heparin-free Hemodialysis with Airless Bloodlines in a Large Tertiary Acute Care Inpatient Practice - *Sami Safadi, MD*
- 9:45 Citrate Versus Acetate Dialysate on Intradialytic Heparin Dose: A Double Blind Randomized Crossover Study - *Kelvin Leung, MD*

Slide Forum III

Quality Improvement, Dialysis, Administration

8:00-9:45am

- 8:00 Reducing Blood Stream Infections in Patients on Hemodialysis - *Lynda Ball, MSN, RN*
- 8:15 Trend in Peritoneal Dialysis Technique Failure in Incident Dialysis Patients - *Eric Weinhandl, PhD, MS*
- 8:30 A Single Center Experience of Modality Outcomes 3 Years Post Implementation of the Dialysis Decisions Patient Education Program: An Evidence-Based Nursing Practice Quality Improvement Project - *Trish Carter, DNP, CNN*
- 8:45 The Impact of a Dedicated Nurse Discharge Planner on Hospitalized Dialysis Patients - *Jennifer Hopping-Winn, LCSW*
- 9:00 Self-Reported Sleep Quality Is Associated With Depressive Symptoms and Perceived Pain and Psychological Stress in Hemodialysis Patients Enrolled in a Social Worker Quality Improvement Program - *Nien-Chen Li, MS, MPH*
- 9:15 Quantifying the Reimbursement Gap by Gender in Nephrology - *Sadeem Ali, MD*
- 9:30 Contrasting Trends in Home Hemodialysis and Peritoneal Dialysis Growth - *Eric Weinhandl, PhD, MS*
- 9:45 Prevalence of Musculoskeletal Pains in HD Patients, and its Relation to Biochemical Markers and Psychological Status - *Magdy ElSharkawy, MD, PhD*

Slide Forum II

Clinical Experiences HD/PD, Part A

8:00-9:45am

- 8:00 Intra Dialytic Hypotension: A Prospective Observational Study Identifying the Characteristics of Patients Most at Risk and Potential Preventative Strategies - *Nicholas Sangala, MBBS, BSc, MRCP (Neph), FFICM*
- 8:15 A High Ultrafiltration Rate Correlates With Escalating Intravascular Volume Contraction - *Emily See, MBBS BMedSci*
- 8:30 Achieving Home Hemodialysis in 10% of the Hemodialysis Population in Five Years Using NxStage System One - *Natalie Borman, MBBCh, MD*
- 8:45 Lanthanum Carbonate Versus Standard Phosphate Binder Therapy: Iron Parameters in Patients With End-stage Renal Disease - *Rosamund Wilson*
- 9:00 A Retrospective Single Centre Analysis of Peritoneal Dialysis Membrane Transporter Status - *Nelomi Anandagoda, MBBS, MPCP*
- 9:15 Extracellular Vesicles in the Effluent of Peritoneal Dialysis Patients - *Deirisa Lopes Barreto, PhD*
- 9:30 Single Centre Experience of Laparoscopic Insertion of Buried Tenckhoff Catheters in a Regional Renal Center - *Rhian Gisby, MBBS*
- 9:45 Impact of Chronic Kidney Disease Stage and Dialysis on Different Domains of Quality of Life in People with Co-morbid Diabetes - *Edward Zimbudzi, BS, RN, MIH*

Slide Forum IV

Translational Research in Dialysis

8:00-9:45am

- 8:00 Plasma Adropin and Adropin-associated Genes in Metabolic Abnormalities in Hemodialysis Patients - *Alicja E. Grzegorzewska, MD, PhD*
- 8:15 Adropin: Is It a Potential Cardiac Biomarker in Hemodialysis Patients? - *Krzysztof Pawlaczyk, PhD*
- 8:30 Circulating Vascular Endothelial Growth Factor Receptor 2 in Hemodialysis Patients: Relation to Dyslipidemia - *Leszek Niepolski, MD, PhD*
- 8:45 In Vitro Ion Exchange Capacity and Selectivity of Sodium Zirconium Cyclosilicate, a Novel, Selective Potassium Ion Trap for the Treatment of Hyperkalemia - *Bhupinder Singh, MD*
- 9:00 Syndecan-1 Expression in the Interendothelial Junctions in the Peritoneal Microvasculature Is Not Associated With Peritoneal Small Solute Transport - *Carmen A. Vlahu, MD*
- 9:15 Role of Body Mass Index in Patients with Acute Renal Injury after Cardiac Surgery - *Zhouping Zou, MD*
- 9:30 Urinary Kidney Injury Molecule - 1 as a Predictor of Acute Kidney Injury in Patients Undergoing Cardiac Surgery - *Magdy ElSharkawy, MD, PhD*
- 9:45 Acute Kidney Injury Requiring Dialysis: Dose and Outcomes Using Shift CVVHD - *Paula Duran, MD*



Slide Forum V

Applied Science in Dialysis

10:45-11:45am

- 10:45 Improbability of Observed Mortality With the Conventional Schedule in the Frequent Hemodialysis Network Nocturnal Trial - *Eric Weinhandl, PhD, MS*
- 11:00 Association Between Bone Biomarkers and Immune Parameters Undertaken Denosumab Treatment Undergoing Peritoneal Dialysis Patients
Naho Kurasawa, BS
- 11:15 Comparison of Antioxidative Response Related to Nrf2 in Peripheral Blood Mononuclear Cells Between Long-time HD and Normal HD - *Akira Torigoe, MD*
- 11:30 Real-World Effectiveness of Sucroferric Oxyhydroxide in Reducing Serum Phosphorus: Retrospective Analysis of Pharmacy Data - *Linda Ficociello, DSc*
- 11:45 Real-World Effectiveness of Sucroferric Oxyhydroxide to Control Phosphorus in Peritoneal Dialysis Patients Switching from Another Phosphate Binder: A Retrospective Database Analysis - *Linda Ficociello, DSc*

Slide Forum VI

Clinical Experiences HD/PD, Part B

10:45-11:45am

- 10:45 Peritoneal or Hemodialysis? Factors Determining Long-term Survival — Markers of Cardiovascular Injury and Body Composition - *Krzysztof Pawlaczyk, MD, PhD*
- 11:00 Effect of Dialysate Calcium Concentration on QTc Interval Interval and Arrhythmias in Prevalent HD Patients
Mohamed Saeed, MD, PhD
- 11:15 Similar Characteristics Can Be Seen at Entering Dialysis Between CKD and CKDT Patients - *Ken Sakai, MD*
- 11:30 The Effects of Peritoneal Dialysis On Hospitalization Rates and Quality of Life Scores for Cardio Renal Syndrome Patients - *Jones Samuel, MD*
- 11:45 A Quality Improvement Project Evaluating Dialysis Access Issues in Patients With Failing Renal Allografts
Rauri Clark, MBChB

Slide Forum VII

Home Hemodialysis

10:45-11:45am

- 10:45 Home Dialysis Modalities Are Associated With Lower Hospitalization Rates in End Stage Renal Disease Patients
John Larkin, MS
- 11:00 Lower Risk of Home Hemodialysis Attrition in Patients Using Nx2me Connected Health Technology
Eric Weinhandl, PhD, MS
- 11:15 Timing of Vascular Access Related Infections in Patients on Frequent Home Hemodialysis - *Venkat Gangaram*
- 11:30 Home Hemodialysis Program Training Volume, Transplant Incidence, and Attrition Due to Patient Burden
Eric Weinhandl, PhD, MS
- 11:45 Coronial Plea: Allow Experts to Assess the Scene After Home Dialysis Deaths - *John Agar, MBBS, FRACP, FRCP*

Slide Forum VIII

Metabolism, CKD/MBD

10:45-11:45am

- 10:45 Coordination of Pharmaceutical, Clinical, and Laboratory Care Is Associated With Improvements in Dialysis Patient Bone Mineral Metabolism Outcomes
Sophia Rosen
- 11:00 Effect of Total Parathyroidectomy With and Without Autotransplantation in Prevalent Hemodialysis Patients
Haitham Ezzat, MD
- 11:15 Musculoskeletal Manifestations, Comorbidities and Gender Differences in Renal Hemodialysis Patients - *Haitham Ezzat, MD*
- 11:30 Association Between Testosterone and Mortality Risk Among U.S. Males Receiving Dialysis - *Jerry Yu, MD*
- 11:45 Study of the Effect of Bisphosphonate Therapy On DEXA Scan in Prevalent Hemodialysis Patient
Mohamed Ibrahim, MD, PhD



Poster Forums

Posters are listed in sections alphabetically by authors last name.

Dialysis Process, Education, Quality Improvement

- 1 Successful Peritoneal Dialysis in Relatively large Subjects ($\geq 100\text{kg}$): Clinical Features and Comparison with Normal Weight ($< 75\text{kg}$) Individuals - *Sohail Abdul Salim, MD*
- 2 Caregivers and Healthcare Workers' Willingness to Donate Kidney in Three Tertiary Institutions in Southern Nigeria: A Cross-sectional Study - *Moses Abiodun, MD*
- 3 Quantifying the Reimbursement Gap by Gender in Nephrology - *Sadeem Ali, MD*
- 4 A Novel Approach to Promoting Patient Education and Participation in a Home Dialysis Program - *Peggy Bushey, RN CDN*
- 5 Impact of a Food Label Education on Serum Phosphorus Levels and Dialysis Patient Knowledge - *Marissa Claiborne, RDN, CSR*
- 6 Vaccination Program in Peritoneal Dialysis Patients for Pneumonia and Influenza Vaccine - *Abdullah Hamad, MD*
- 7 Advancing Acute and ICU RN Staff Education in an Adult Inpatient CAPD Program - *Amy Heerschap, MSN, RN*
- 8 Open-Label, Single Arm First-In-Human, Pilot Initiation Study For The SC+ Hemodialysis System - *Peter Hoyer, MBA*
- 9 Lsu Nephrology Initiation of a Multi-center Urgent Start PD Program - *Ashwin Jaikishen, MD*
- 10 A Case Study: Nocturnal Home Hemodialysis Using Single Needle Method - *Lisa Koester, MSN, CNN-NP*
- 11 Patient Perspectives On the Use of "Permanent Access" for Arteriovenous Fistulas and Grafts - *Dorian Kusk, BA*
- 12 Changing of the Guard: Transitioning After Hours Telepractice to the Inpatient Nephrology Program - *Lezlie Lambert-Burd, BScN, B.A.ADED*
- 13 Remote Monitoring of Patients on Automated Peritoneal Dialysis Saves Healthcare Resources in a Simulation Study - *Suzanne Laplante, MSc*
- 14 Impact of Physician Confidence On Home Program Growth - *Barbara Miller, BSN, RN, CNN*
- 15 What Is the Important Factor to Increase the Number of Peritoneum Dialysis Patients in Japan? - From a Questionnaire Survey to 300 PD Centers in Japan - *Hidetomo Nakamoto, MD*
- 16 Peritoneal Dialysis in Elderly Patients - *Nida Quirong-Jones, RN, CNN*
- 17 Effectiveness of UV Light in the Disinfection of Peritoneal Dialysis Catheter Connections - *Julia Rasooly, MS, MA*

Infection

- 18 Sensitivity, Specificity, Predictive Value for Tuberculin Skin Testing in Dialysis and Transplanted Patients - *Jamal Al Wakeel, MD*
- 19 Renal Involvement in Asymptomatic Cases of HCV Infection - *Magdy ElSharkawy, MD, PhD*

- 20 First Reported Case of PD Peritonitis Due to Paracoccus Yeei in the United Kingdom - *Venkat Gangaram*
- 21 Clinical Characters of Hepatitis B Virus and Hepatitis C Virus Infections in Hemodialysis Patients: Oone Single Center Analysis - *Shaomin Gong, MD*
- 22 Effective Prevention Bundle to Eliminate Hemodialysis Catheter Related Bloodstream Infection - *Abdullah Hamad, MD*
- 23 Effect of Chronic Hepatitis C Virus Infection on Endotoxemia in HD Patients - *Mohamed Ibrahim, MD, PhD*
- 24 Peritonitis Root Cause Analysis - *Marijo Johnson, BSN, RN*
- 25 Do Visual Impairments Increase the Risk of Peritoneal Dialysis-Related Infections? - *Shigeki Kojima, MD, PhD*
- 26 Hypercalcemia Associated With Tuberculous Peritonitis - *Angelica Nunez, MD*
- 27 Compatibility of Antimicrobials in Peritoneal Dialysis Solutions - *David Pantaleone, PhD*

Nutrition, Mineral Bone Disease

- 28 Long-term Hypocalcemia After Parathyroidectomy in Maintenance Hemodialysis Patient - *Zorica Dimitrijevic, MD*
- 29 Dialysis Vintage and Body Composition in Hemodialysis Patients - *Paul Fein, MD*
- 30 The Acid-base Status in PD Patients Being Treated with High Concentration Lactate-buffered Fluids - *Masahide Furusho, MD*
- 31 Is Oral Nutritional Supplements in Peritoneal Dialysis Patients Beneficial? - *Dreama Kelly, RN*
- 32 Serum FGF23 and Residual Kidney Function in Incident Peritoneal Dialysis Patients - *Erzsébet Ladány, MD*
- 33 Residual Renal Function Improves Malnutrition, Anemia and Calcium-phosphate Metabolism in Maintenance Hemodialysis Patients - *Wenlv Lyu, MD*
- 34 Treatment of Calcific Uremic Arteriolopathy, A Case For Oral Sodium Thiosulfate - *Anupkumar Shetty, MD*
- 35 Oral Glucose Tolerance Test and Serum Insulin Level Undergoing Continuous Ambulatory Peritoneal Dialysis - *Ho Cheol Song, MD*

Clinical Studies

- 36 Appraising the Outcome and Complications of Peritoneal Dialysis Patients: A 5-year Review of a Single Saudi Center - *Jamal Al Wakeel, MD, ABIM (Nephrology)*
- 37 Severe Heparin Allergy in Hemodialysis - *Janet Bardsley, RN*
- 38 Granular Analysis of Causes of Peritoneal Dialysis Technique Failure in the First Six Months of Therapy - *Joanne Bargman, MD, FRCPC*
- 39 Successful Management of a Pregnant Chronic Kidney



- Disease Patient Using Nocturnal Dialysis: A Collaborative Approach - *Trish Carter, DNP, CNN*
- 40 The Effect of Physician Reimbursement on Promoting Home Dialysis - *Reem Daloul, MD*
- 41 Use of CVVHD for AKI Requiring Dialysis: Technical Aspect - *Paula Duran, MD*
- 42 Chronic Musculoskeletal Pain Among Hemodialysis Patients - *Haitham Ezzat, MD*
- 43 Comparison of Dialysis Modality and Cardiovascular Mortality in Hemodialysis Versus Peritoneal Dialysis Patients - *Haitham Ezzat, MD*
- 44 Successful Application of a Rigorous Low Potassium Bath Protocol to Treat Hyperkalemia - *Hani Ismail, MD*
- 45 Bacterial Spectrum in Acute Peritonitis in Peritoneal Dialysis in Qatar, 8 Years Experience - *Hani Ismail, MD*
- 46 The Impact of War on Syrian Refugees with ESRD - *Majd Isreb, MD*
- 47 Hemodialysis Provider Model in Bangladesh - *Abu H. Kamal, PhD*
- 48 Role of Chronic Use of Tolvaptan in Patients with Heart Failure Undergoing Peritoneal Dialysis - *Kenji Koizumi, MD, PhD*
- 49 Umbilical Hernia After Laparoscopy for the Treatment of PD Catheter Obstruction by Oviductal Fimbriae: A case report - *Takuro Kometani, MD*
- 50 Assessed Value of N-terminal Pro-brain Natriuretic Peptide for Cardiovascular Disease Among CKD patients - *Zhong-Hua Liu, MD*
- 51 Blood Pressure Guided Biofeedback on Hemodialysis and the Reduction of IntraDialytic Hypotensive Episodes: A Randomized Cross Over Trial - *Jennifer MacRae, MD, MSc*
- 52 Reimbursement to Patients for Out-of-Pocket Expenses on Home Hemodialysis - A Global Survey - *Mark Marshall, MPH*
- 53 Case Report: Rapid Recurrent of Calciphylaxis After Long Term Treatment with Sodium Thiosulfate on Patients with End Stage Renal Disease and Hemodialysis - *Bogdan Matei, MD*
- 54 Incidence and Management of Refractory Ascites in End-stage Renal Disease Patients With and Without Cirrhosis - *Jean McAfee, MSN, RN, ACNS-BC*
- 55 Myocardial Stunning - *Yuxin Nie*
- 56 The Management of the Perioperative Period for Chronic Dialysis Patients Who Have Undergone Cardiovascular Surgery - *Tomonari Ogawa, MD, PhD*
- 57 Role of Ranolazine in Hemodialysis Patients - *Anjali Om,*
- 58 Assessment and Outcome of Pregnant CCPD Patient With Lupus Leading Up to Successful Delivery at 36 Weeks - *Stephanie Paul, RN*
- 59 Post Graduate Education Program in Nephrology for Nurse Practitioners - *Theresa Payne, DNP, RN, FNP-C*
- 60 Time Is Not Always the Matter: A Rare Instance Where Encapsulating Peritoneal Sclerosis Developed in a Patient on Peritoneal Dialysis for Short Term - *Radhames Ramos De Oleo, MD*
- 61 Uncovering Scleroderma Renal Crises Masked as End Stage Renal Disease - *Sayena Sajadi, DO*
- 62 Performance Evaluation of a Super High Flux Dialyzer with Highly Enhanced Internal Filtration - *Ryoichi Sakiyama, PhD*
- 63 Caliphylaxis: A Case Study - *Vicki Siegel, BSN, RN*
- 64 Porphyria Cutanea Tarda in a Hepatitis C Positive Patient With ESRD On Hemodialysis - *Michael Strauss, MD*
- 65 Assessed Value of High-sensitivity Cardiac Troponin T for Cardiovascular Disease Among CKD Patients - *Xiao Tan, MD*
- 66 Study Design for Telemedicine in the Provision of Patient Consultations to Monitor Remote Peritoneal Dialysis - *Eric Wallace, MD*
- 67 Use of Activity Monitors in Exercise Therapy for Dialysis Patients - *Tetsuhiko Yasuno, MD*
- 68 Therapeutic Effects and Cost Efficiency of a Biosimilar Erythropoiesis Stimulating Agent in Maintenance Hemodialysis for Renal Anemia Patients with Poor Response to Darbepoetin - *Takashi Yokoyama, MD*
- 69 Intradialytic Hypotension as an Independent Risk Factor for 5-year Mortality in Maintaining Hemodialysis Patients - *Jin-bo Yu, MD*
- 70 The Impacts of Ultrafiltration Rate and Cardiac Function on the Outcomes Among IDH Patients: A 5-year Prospective Cohort Study - *Jin-bo Yu, MD*
- 71 Long-term Prognosis of Elderly Patients with Acute Kidney Injury after Cardiac Surgery - *Jiawei Yu, MD*
- 72 Overcoming Barriers: New Techniques in Urgent-Start PD - *Raquelle Kelly Zencka, RN, CNN*
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- ## Dialysis Access
- 73 Impact of Vascular Access Intervention Therapy on Cardiac Load in Hemodialysis Patients - *Takayuki Adachi, MD*
- 74 Guided Cannulation: A Novel AVF Access Technique - *Mark Crawford, BA*
- 75 Presternal Peritoneal Dialysis Catheter an Access of Choice: A Tale of Two Patients - *Nenita Cuellar, BSN, RN, CNN*
- 76 Silicone PD Catheter Erosion With the Use of Gentamicin Cream - *Ali I. Gardezi, MD*
- 77 Rupture of Subcutaneous Peritoneal Dialysis Catheter - *Rina Hachisuka, MD*
- 78 Applying a Successful New Protocol for Storing Tissue Plasminogen Activator for Locking Dysfunctional Permcath: A Single Center Study - *Saif Ullah Khan, MD*
- 79 Early Endovascular Treatment of Vascular Access Stenosis Before the First Cannulation - *Young Ok Kim, MD*
- 80 Arterial Micro-calcification Is Associated with Coronary Artery Calcium Score in Hemodialysis Patients - *Young Ok Kim, MD*
- 81 Pattern of Vascular Access in Hemodialysis Patients in Egypt - *Iman Sarhan, MD, PhD*
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- ## Pediatrics
- 82 Buttonhole Cannulation of Arteriovenous Fistulae in Pediatric Hemodialysis Patients - *Stephanie Brightman, RN*
- 83 Mean Arterial Pressure and Blood Pressure Variability Are Valuable Tools in Assessing Hypertension Burden in Children on Dialysis - *Abanti Chaudhuri, MD*
- 84 Pediatric Transient Dialysis Experiences in Central Florida - *Barbara Cometti, BSN*
- 85 "Dialysis Darlings": A Parent-to-Parent Educational Video



- Specifically Targeted to Parents and Caretakers of Infants Requiring Dialysis - *Robin Davis, MMSc, RD, CSP, LD*
- 86 Fever and Rash in a Chronic Hemodialysis Patient - *Neha Dhingra, MD*
- 87 Significant Reduction in Exit Site Infection in a Large Pediatric Peritoneal Dialysis Program - *Ella Dixon, RN, BSN, CNN*
- 88 Peritoneal Leak Manifesting as Membrane Failure in a Chronic Peritoneal Dialysis Patient - *Maria Eloisa Domingo, MD*
- 89 Anemia in Pediatric Patients with ESRD: A Quality Improvement Project - *Eileen Ellis, MD*
- 90 Utilization of Dialysis Nurses with the Interdisciplinary Team to Standardize Nasogastric Tube Placement for Nutritional Supplementation in an Outpatient Pediatric Dialysis Center - *Michelle Espiritu, RN, MSN*
- 91 Treatment of High Serum Vitamin A in an Anephric Child - *Stella Friedlander, NZRD, MHSc*
- 92 Racial and Ethnic Disparities in Survival Outcomes Among Pediatric Dialysis Patients - *Clinton Hall,*
- 93 Improving the Vaccination Rate and Ensuring Documentation in Pediatric Dialysis Patients - *Monica Hughey, BSN, RN, CPN*
- 94 Peritoneal Dialysis Catheters Outcomes in Children Under Age 2 Initiating Peritoneal Dialysis for ESRD - *Peace Imani, MD, MPH*
- 95 Rapid Use of Peritoneal Dialysis Catheters In Acute and Chronic Pediatric Patients - *Randall Jenkins, MD*
- 96 Disruptive Families: Navigating Care and Conflict in a Pediatric Hemodialysis Unit - *Shelley Jepson, MMedSci, BSc, RN, RN Child*
- 97 Themes from Lived Experiences in Pediatric Renal Transplant Recipients - *Spike Johnson, M.J.*
- 98 Optimizing Protein Intake for a Pediatric Patient with Methylmalonic Acidemia on Chronic Hemodialysis - *Marisa Juarez, MPH, RD*
- 99 Transition from Dialysis to Transplant: A Vulnerable Transition Point - *Erin Kim, MD*
- 100 An Interdisciplinary Team Approach to Transitioning the Late Stage Pediatric Chronic Kidney Disease Patient to Hemodialysis - *Colleen Klosterman, APRN C-PNP*
- 101 Racial/ethnic Disparities in Kidney Transplantation in Pediatric Dialysis Patients - *Marciana Laster, MD*
- 102 Use of Three or Four-times Weekly Cefazolin in Pediatric Patients on Hemodialysis - *Ji Lee, PharmD*
- 103 Current Staffing Patterns Among Centers Providing Pediatric Dialysis- A MWPNC Survey - *Kera Luckritz, DO, MPH*
- 104 Music Launch Party As an Example of Patient and Family Centered Care in a Pediatric Dialysis Unit - *Kera Luckritz, DO, MPH*
- 105 Extracorporeal Therapies During Intermittent Hemodialysis in Pediatric Patients - *Amy McAlister, BSN, RN*
- 106 Implementing a Pediatric Hemodifiltration Program in Canada: Trials, Tribulations, and Triumphs - *Rosaleen Nemec, RN, BScN, MAEd, CNEPH(C)*
- 107 Nutrient and Medication Changes Associated with Transitioning from Infant to Adult Formula: A Case Report - *Leah Oladitan, RD*
- 108 Educating Patients and Families by Serious Gaming: Development of an Online Virtual Pediatric Peritoneal Dialysis Simulator - *Aleksandra Olszewski, BS*
- 109 CHOPed: Mastering the Renal Diet - *Elisha Rampolla, RD, CSP, LDN*
- 110 Pediatric Support Group - *Michael Schwing, MSW, LCSW*
- 111 Improving the Informed Consent Process for Peritoneal Dialysis in Infants Undergoing Cardio-Pulmonary Bypass Surgery - A Quality Improvement Initiative - *Shweta Shah, MD*
- 112 Assessment of Touch Contamination Identification in Pediatric Patients On Home Peritoneal Dialysis - *Katie Sigler, MSN, CPNP-AC*
- 113 Creating A Safe Environment for Young Adults to Achieve Independent Home Hemodialysis - *Kate Sinnott, Bsc*
- 114 Utilizing Excel to Track Quality Metrics in Pediatric Dialysis Patients - *Kathy Sisco, MSN, RN, CPNP*
- 115 Video Auditing of Nursing Practice in Pediatric Hemodialysis - *Jennifer Spies, RN, BSN, CPN*
- 116 The Changing Face of Pediatric Hemodialysis Catheter Line Lock Management in a Small Dialysis Unit Over 12 Years - *Ruth Steele, RN*
- 117 Unexplained Hypocalcemia in Peritoneal Dialysis Patient - *Elizabeth Talley, MD*
- 118 Role of Psychology in a Pediatric End-Stage Renal Disease Hemodialysis Patient with Depressed Mood - *Cortney Taylor, Ph.D.*
- 119 Association Between Serum Phosphorus and Self-efficacy in Pediatric Dialysis Patients - *Donald Weaver, MD, PhD*
- 120 Increased Adverse Events in the Absence of Blood Volume Monitoring in Pediatric Dialysis Patients - *Donna Wilson, RN*
- 121 Development of an Ongoing Educational Support Program to Increase the Competency and Comfort Level of ICU Nurses Caring for Pediatric Patients Requiring Continuous Renal Replacement Therapy - *Kimberly Windt, MSN RN CNN*
- 122 Meals Offered on Dialysis Decreased Need for Enteral Nutritional Supplements and Intradialytic Intralipid use in Pediatric Hemodialysis Patients - *Cynthia Wong, MD*
- 123 Can You "Tube Change" Correctly after Watching This Video - *Jennifer Woodmansee, RN, BSN*
- 124 Standardizing an Algorithm for Central Venous Catheter Exit Site Care to Prevent Skin Irritation and Infections in Pediatric Hemodialysis Patients - *Dennis Zorilla, RN, BSN*



General Information

Conference Location & Hotel Information

The conference will be held at the Washington State Convention Center in Seattle, Washington. For more information on hotel accommodations go to our website: annualdialysisconference.org

Registration

There are significant savings for early conference registrants. For those registering by January 15, 2016 (midnight deadline), there will be a reduced fee of \$499 US dollars. After January 15, 2016 and until February 10, 2016, the fee will be \$650. From February 11, 2016 and through the conference dates the registration fee will be \$750 for all registrants. The registration fee includes the cost of the conference, welcome reception, coffee breaks, lunches; the HD & PD abstract books, *Advances in Peritoneal Dialysis Vol. 32*, and the proceedings issue of *Hemodialysis International* (if requested); and access to speaker handouts online.

Fees may be paid by check, cash or credit card (on your credit card statement, conference fees will show as being paid to the University of Missouri). You may register by calling (573) 882-4105; by FAXing your registration form to [573] 882=5666 or by submitting your registration online via our website: annualdialysisconference.org. We do not send confirmation that your fax was received. Please check your own transmission report.

ISPD, ISHD, and ISN members receive a \$10 discount for the main conference registration. The \$10 discount ends on January 15, 2016.

If you register without paying, you are responsible for payment whether or not you attend the conference, unless notice of cancellation is received prior to February 18, 2016.

International Registrants

Please Note: All checks must be drawn on a US bank to avoid additional charges.

Refunds

Full refund of fees, less \$100 USD processing charge per registrant, will be made if notice of cancellation is received by February 1, 2016. From February 1 through February 18, one-half of the registration fee will be refunded for cancellations. No refunds will be made after February 18. All cancellations must be in writing and may be emailed to dialysis@health.missouri.edu, or faxed to [573] 882=5666.

Grants/Scholarships

• ADC Nurses' Scholarships

We are inviting all nephrology nurses with no more than 3 years of dialysis experience to submit an application for this scholarship.

Recipients of this grant will receive waived registration to one of the Saturday pre-conferences of their choice and will be reimbursed for travel and other conference-related expenses up to \$1500.

In order to be considered for selection, you must submit the following:

1. Completed Nurse scholarship application available at our website: annualdialysisconference.org.
2. A one-page resume.
3. A one-page letter of support or recommendation from your program director or nurse manager.
4. A brief narrative how your attendance at the conference will directly benefit patient care.

Submit requirements to Lindsey Beckmann

- Email: Beckmannli@health.missouri.edu
- Or mail: University of Missouri
Office of Continuing Medical Education
c/o Lindsey Beckmann
2401 Lemone Industrial Blvd.; DC345.00
Columbia, MO 65212

All applications must be received no later than November 15, 2015. Notification of acceptance will be made after December 15, 2015.

• Fellows' Scholarships

A number of \$1000 grants to support fellows in training programs will be awarded to defray the cost of attending the ADC, including a pre-conference symposium. These grants will be given on a first-come, first served basis. For grant submission please visit our website: annualdialysisconference.org.



• Pediatric Fellows' Scholarship

Pediatric Nephrology Fellows are invited to submit 1 to 3 page case summaries describing problem PD, HD or CRRT cases. Scholarships consisting of \$500 will be awarded to Fellows whose cases are chosen for presentation. In addition, pending availability of funds, all Fellows submitting case summaries, whether selected for presentation or not, will have registration fees waived for both the Fundamentals course and the main Dialysis Conference that follows. Fellows training in a pediatric training program are asked to submit Pediatric HD, PD or CRRT cases to the Pediatric Dialysis Fundamentals Course.

Cases should be organized so that they lead to one or more management questions that can be posed to the consultants and the audience. The deadline for case summary submission is October 5, 2015.

A Conflict of Interest (COI) form must be completed and submitted with your case summary. You may download a COI form our website: annualdialysisconference.org

Case summaries and COI's should be submitted to the following:

- Kimberly Sands - ksands@stanford.edu and
- John Mahan, MD - John.Mahan@nationwidechildrens.org

For urgent questions, please call Kimberly Sands at: (650) 723-7903

• Fellows Case Presentations

Fellows training in adult training programs are invited to submit a 1-3 page case summary of a challenging or unusual dialysis experience for oral presentation in the Fellows Forum on Monday. Selected cases will be presented and the top two will receive free registration and \$500. Cases should be organized in a manner to entice audience interaction.

A Conflict of Interest (COI) form must be completed and submitted with your case summary. You may download a COI form our website annualdialysisconference.org The deadline for case summary submission is October 5, 2015.

Abstracts

We invite abstracts describing new research, clinical experiences, case studies and quality improvement and education projects on PD and HD. Submissions will be considered for presentation during the Slide and Poster Sessions. Please submit your abstract online at annualdialysisconference.org.

Abstracts must be submitted by October 5, 2015. Acceptance does not waive the conference registration fee.

Abstract Awards

• Outstanding PD & Nursing Awards

The first author of the outstanding PD abstract and PD nursing abstract submitted to the Annual Dialysis Conference will each receive a plaque and \$500 from the International Society for Peritoneal Dialysis. The awards will be presented on Saturday, February 27, 2016, during the Welcome Reception. Presentation will be during the Awards Ceremony.

• Outstanding Hemodialysis & Nursing Awards

The first author of the outstanding HD abstract and HD nursing abstract submitted to the Annual Dialysis Conference will each receive a plaque and \$500 from the International Society for Hemodialysis. The awards will be presented on Saturday, February 27, 2016, during the Welcome Reception. Presentation will be during the Awards Ceremony.

• Pediatric Dialysis Abstract Awards

A plaque and \$500 award will be presented to the best pediatric abstract first authored by a physician and to the best pediatric abstract first authored by a non-physician. Presentations will be during the Awards Ceremony.

• Pediatric Dialysis Awards

We invite abstracts describing new research on any aspect of dialysis in pediatric patients. All pediatric abstracts not selected for the Pediatric Symposium will be considered for presentation during Free Communications or Poster Sessions. A travel grant will be presented to the best pediatric abstract first-authored and presented by a physician; an additional travel grant will be presented for the best pediatric abstract first-authored and presented by a non-physician.

Abstract & Manuscript Publications

All fully paid registrants will receive (**if requested**) a copy of the journal *Peritoneal Dialysis International*, and *Hemodialysis International*, which contain related abstracts from the conference. Fully paid registrants may also elect to receive a copy of *Advances in Peritoneal Dialysis* and/or the *Proceedings Issue (HD)*, which contain peer reviewed selected papers in the perspective fields. Detailed descriptions of *Advances in Peritoneal Dialysis* and *Hemodialysis International* including editor information and how to order previous volumes can be found on our website: annualdialysisconference.org.



Abstract Guidelines

Abstract Submission Deadline: October 5, 2015

Please visit annualdialysisconference.org for complete instructions and to submit your abstract online.

Presentation

Abstracts will be considered for presentation in Slide Forums and Poster Sessions. Pediatric abstracts accepted for presentation are integrated throughout the program.

Content

Abstracts should relate to the dialysis modalities addressed by the program.

Format

- Length is approximately 2000 characters if no tables or figure
- Small character-based tables or figures may be included
- Use type that is 10pt (12cpi) or larger
- The abstract must fit into a 4 1/8 X 5 7/8 inch space

Category

Abstracts in any of the following categories may be submitted. For more details, please refer to Abstract Design Categories.

- A. Research
- B. Clinical Improvement/Quality Improvement
- C. Case Study
- D. Didactic Presentation, e.g. Patient Education, Professional Development, Management, etc.

Title

- The title must clearly indicate the nature of the investigation or clinical focus
- Do not identify author(s) or institution(s) in the title

Body of the Abstract

- Make the abstract as informative as possible
- Organize the body of the abstract as follows:
 - o Background and purpose of study, project, or program
 - o Methods or approach
 - o Results
 - o Discussion
 - o Conclusions (must be supported by data)
- Use standard abbreviations and generic drug names
- Place unusual abbreviations or acronyms in parentheses after first use
- Do not identify author(s) or institution(s) in text

Notification of Acceptance

- Notification of acceptance or rejection will be made by email during November
- Acceptance of an abstract does not waive the registration fee

Publication of Abstracts

- Peritoneal dialysis abstracts will be published in *Peritoneal Dialysis International*
- Hemodialysis abstracts will be published in *Hemodialysis International*
- PD/HD abstracts will be published in the journal indicated by the author

Course Fee:

Saturday, February 27, 2016

_____ **\$100 USD- Early Fee**
Paid by January 15, 2016

_____ **\$115 USD - Regular Fee**
Paid by February 10, 2016

_____ **\$125 USD - Late Fee**
February 11, 2016 through
conference date and on-site

Send Completed Form to:

Dialysis Conference
Continuing Medical Education
2401 Lemone Industrial Blvd.,
DC345.00
Columbia, MO 65212 USA

Fax: (573)882-5666
Phone: (573)882-4105
Email: dialysis@health.missouri.edu

Payment should accompany form. Confirmation/Receipt will be mailed within 2 weeks after payment is received.

You may also download a registration form from our website:
annualdialysisconference.org

ADC Technician Program • Registration Form

Saturday, February 27, 2016 at the Annual Dialysis Conference • Seattle, Washington

First name _____ Lastname(surname) _____

Degree(s) _____ Email Address _____

Institution Affiliation _____

Preferred Mailing Address: _____

City _____ State _____ Zip/Postal Code _____

Business Phone _____ FAX _____ Home Phone _____

___ Check Enclosed (X only if paying by check, payable to the University of Missouri)

Please charge my ___ Visa ___ MasterCard ___ Discover ___ American Express

Card Holders address if different from above:

Mailing Address _____

Name as it appears on card _____

City _____ State _____ Zip/Postal Code _____

Account Number _____ Exp. Date _____



Annual Dialysis Conference

presented by the *University of Missouri Division of Nephrology*

Registration Form

36th Annual Dialysis Conference • Feb. 27 - Mar. 1, 2016

Indicate your profession:

___ Physician ___ Fellow ___ Social Worker
___ Nurse ___ Dietitian ___ PA
___ Advanced Practice RN
___ Other _____

Have you attended before? ___ Yes ___ No

I would like to receive the following from ADC 2016:

___ **PD ABSTRACTS ADC 2016** A copy of Peritoneal Dialysis International Journal (PDI) containing the submitted PD abstracts
___ **PD MANUSCRIPTS ADC 2016** A copy of Advances in Peritoneal Dialysis containing accepted PD manuscripts
___ **HD ABSTRACTS ADC 2016** A copy of Hemodialysis International Journal (HDI) containing the submitted HD abstracts
___ **HD MANUSCRIPTS ADC 2016** A copy of Hemodialysis International Journal (Proceedings Issue) containing the accepted HD manuscripts

IMPORTANT: PLEASE SIGN UP FOR THE SESSIONS OF YOUR CHOICE.

This is required for room sizes/seating arrangements.
(See pages 8-14 for session numbers)

SUNDAY, FEBRUARY 28

General Session:

 E

AM Sessions:

 1

Pediatric Luncheon:

 3

PM Sessions:

 2 4

MONDAY, FEBRUARY 29

Slide/Fellows Forums:

 F

AM Sessions:

 0 1

Pediatric Luncheon:

 3

PM Sessions:

 2 4

TUESDAY, MARCH 1

AM Sessions:

 0 1

Questions?

Phone: (573) 882-4105 • Fax: (573) 882-5666

Email: dialysis@health.missouri.edu

Website: annualdialysisconference.org

SEND COMPLETED FORM TO:

Dialysis Conference, Continuing Medical Education,
2401 Lemone Industrial Blvd., DC345.00,
Columbia, Missouri 65212 USA

COURSE FEES: Please check all that apply

Preconference Fees:

___ \$175 USD - Fellows
___ \$175 USD - Nurses, Dietitians, Social Workers, Other Health Professions
___ \$250 USD - Physicians

Please select the Session you will be attending • Saturday, Feb. 27, 2016:

___ Fundamentals of Dialysis in Children
___ Home Hemodialysis Symposium
___ A Comprehensive Course in HD
___ Peritoneal Dialysis Management: Clinical Aspects

36th Annual Dialysis Conference Fees • Sunday, Feb. 28 - Tuesday, Mar. 1, 2016

___ \$499 USD - Early fee - Paid by Jan. 15, 2016 (midnight deadline)
___ \$650 USD - Regular fee - Paid by Feb. 10, 2016 (midnight deadline)
___ \$750 USD - Late fee - Feb. 11 through conference dates and on-site

Note: \$10 discount for ISPD/ISHD/ISN members--only applies to the 36th Annual Dialysis Conference (Feb. 28 - Mar. 1). **Must register by Jan. 15, 2016 to receive discount.**

ISN Member? ___ Yes ___ No

ISPD Member? ___ Yes ___ No

ISHD Member? ___ Yes ___ No

TOTAL FEES _____

First Name _____ Last Name(Surname) _____
(As you would like it to appear on nametag)

Degree(s) _____

Email Address _____

Emergency Contact (Name) _____

Emergency Contact (Phone Number) _____

Institutional Affiliation _____

Preferred Mailing Address _____

City _____ State _____

Zip/Postal Code _____ Country _____

Business Phone Number _____ FAX Number _____

Payment should accompany form.

Confirmation/Receipt will be mailed or emailed within 2 weeks after payment is received.

___ Check Enclosed (X only if payment is by check, payable to the University of Missouri.)

Credit Card Payment: ___ Visa ___ MasterCard ___ Discover ___ American Express
(Your credit card statement will show conference registration as being paid to the University of Missouri)

Please PRINT name as it appears on card

Cardholder's mailing address if DIFFERENT from above

Signature _____

Account Number _____ Expiration Date _____



UNIVERSITY OF MISSOURI

Office of Rural Health Programs
2401 Lemone Industrial Blvd., DC345.00
Columbia, MO 65212

RETURN SERVICE REQUESTED



Annual Dialysis Conference

presented by the *University of Missouri Division of Nephrology*

February 27 - March 1, 2016
Seattle, Washington

See inside for details on: Pre-conference and conference sessions, conference registration, abstract submission instructions... and much more.

Make plans to join us in Seattle!

NEW website address: annualdialysisconference.org