



Annual Dialysis Conference

presented by the *University of Missouri Division of Nephrology*

MARCH 16-19, 2019 • SHERATON DALLAS HOTEL

annualdialysisconference.org

Presented by



University of Missouri

School of Medicine | School of Nursing | Extension



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The Annual Dialysis Conference convenes an international group of practitioners and researchers to discuss current developments in the field of dialysis. It is designed for health professionals involved in dialysis programs. It covers all aspects of dialysis with sessions on Hemodialysis, Peritoneal Dialysis in both Adult and Pediatric Programs.

The target audience includes physicians, fellows, nurses, social workers, dietitians, dialysis technicians and those involved in industry related to dialysis and the care of renal patients. Sessions in this conference are planned with consideration to the multidisciplinary nature of caring for patients on dialysis.

COURSE DESCRIPTION

The Annual Dialysis Conference: The thirty-eighth Annual Conference on Dialysis, and twenty-ninth Annual Symposium on Pediatric Dialysis are presented by the University of Missouri School of Medicine, Department of Medicine, Division of Nephrology; Continuing Medical Education and Physician Lifelong Learning; 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.



**March 16-19, 2019
Dallas, Texas**

Sheraton Dallas Hotel

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.

PRE-CONFERENCE PROGRAMS

SATURDAY • MARCH 16, 2019

- **Practical Aspects in the Management of Peritoneal Dialysis Patients** will start with a keynote followed by a wide range of clinically relevant topics, including prescription management, PD access techniques, and application of new technology. This session will also provide an opportunity to discuss current PD relevant issues during the luncheon session Quiz the Experts.
- **The Home Hemodialysis Symposium** will be targeting those involved in developing as well as already participating in existing home hemodialysis programs. There will be a focus on identifying practical aspects and best practices in Home HD and identifying factors that places the U.S. behind other countries in providing home dialysis care. The day will also feature topics and effective strategies managing problems and barriers to Home HD and a luncheon session devoted to discussion of reimbursement issues.
- **The Fundamentals of Extracorporeal Therapy** has been offered from almost the beginning of ADC. This program offers a good foundation for new nephrology practitioners as well as a sound review for those who have been around for a while but are in need of a good refresher course. This year, the program will feature Hemodialysis Concepts and Technology, Hemodialysis Technique, Hemodialysis Access and Symptom Management.
- **Fundamentals of Dialysis in Children** has been added each year to provide a single-source review of the major issues involved in the management of pediatric hemodialysis and peritoneal dialysis patients. Taught by a faculty of international experts, together the Pediatric Symposium and the Fundamentals course comprise the only conference of its kind currently available.
Program details on page 5



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PRELIMINARY PROGRAM

SUNDAY • MARCH 17 — TUESDAY • MARCH 19, 2019

PERITONEAL DIALYSIS TOPICS

- **Basic Science**
 - Transport Status and Genetics of the Peritoneal Membrane
 - PD Solutions: Molecular Effects on the Peritoneal Membrane
 - Healing the Damaged Peritoneal Membrane: New Innovations
 - Icodextrin physiology explained
- **Peritoneal Membrane Physiology**
- **PD Prescription and PD Adequacy ahead of Icodextrin**
- **QOL in PD patients**
 - Pain control in PD Patients
 - Preventing PD Burnout: patient and providers
 - Cognitive Impairment in PD Patients
- **Case Based Discussion of Real Life PD Related Clinical Issues**
- **Dialysis modalities: Pros and Cons**
 - Comparison of solute clearances between APD vs HHD
 - Comparison of solute and water clearances between APD vs CAPD
 - Non-oliguric ESRD – best management strategy – case study
- **Acid-base & Electrolytes**
 - Electrolytes management, including hypo and hypernatremia, hypokalemia
- **Fellows Forum topics**
 - Unrecognized Impact of chronic metabolic acidosis in dialysis patients
 - Why some PD patients remain chronic hyponatremic? Long-term impacts?
- **PD Access**
 - Workshop on Catheter Placement, including live demonstration
 - Exit Site Assessment and Catheter Care
 - Does Catheter Type and Exit Site Matter?
 - Exit Site/Tunnel Infections: Prevention and Management
 - When to Remove/Replace the PD Catheter
 - Optimizing Access Outcomes
 - Can PD Catheter Problems Be Effectively Managed Through Telehealth? OR Role of Telehealth in catheter management
- **Patient Session: Life on Dialysis**

This session will cover the perspective of dialysis patients as relating to decision making in the choice of modality, overcoming barriers, perceived benefits and sustaining the modality. Panel members will consist of patients who will help you understand the difficult decisions they face when choosing a life plan that might include conservative management, in-center hemodialysis, home dialysis (PD or Home HD) or Kidney Transplantation.

 - Barriers
 - Why Chose
 - Decision Making
 - Living with Dialysis

- **PD in socially challenging patients:**
 - Uninsured
 - Undocumented patients
 - Rejected by most facilities
 - Domestic and international travel
- **PD in medically challenging patients:**
 - Critically ill in ICU
 - Post-CABG, bariatric surgery, abdominal surgery, AAA repair
 - Stomas, gastric feeding, AAA repair
 - Post laparoscopic procedure -
 - Guidelines for upper GI endoscopy and colonoscopy
 - BMI > 40 kg/m²
 - Hepatitis B, C & HIV – protocols
 - Remote Post-trauma
- **Calciphylaxis management**
- **Dialysis and the CV System**
 - Are cardiovascular problems more aggressive in PD patients?
 - Newer anticoagulation
 - Is the 24-hour ambulatory BP monitor under-utilized?
 - Sudden cardiac deaths in PD – Potassium dysrhythmias?
 - Hypertension and Hypotension in PD – case studies
- **Discussion of effects of dialysis on cardiovascular system, including pharmacological therapy and interventions.**
- **Cardioprotection in Dialysis Patients: RAS Blockade, B Blockade, MRBs**
- **Metabolic Effects of PD on the Cardiovascular System**
- **CAD in Dialysis Patients: What's Different?**
- **Peritonitis**
 - Peritonitis four decades later – what has changed?
 - Peritonitis Prevention Protocols /QI program
 - Peritonitis and antibiotic resistance
 - Peritonitis with Atypical organisms
- **Workshop: Dermatological issues in dialysis**
- **Sleep apnea**
- **Adjunct therapies**
- **Puzzling Nursing Situations: Panel Discussion - keep**
 - Prescription Issues Including Incremental Dialysis
 - Decision-making strategies
- **Patient-Centered Start to PD**
 - What does patient-centered care mean for PD?
 - Assisted PD
 - Urgent Start PD
 - Incremental PD
- **Patient-centered Outcomes in PD**
 - SONG-PD
 - Depression, Anxiety, and burnout in PD
 - Symptom Management in PD
- **Patient-centered Choices/Transitions in Therapy**
 - Debate: PD vs Home HD
 - Round Table: How to Integrate Home HD with PD
 - Transitional Units: The Next Frontier
 - Round Table: How to Build Your PD Program with Transitional Units

- **Common Myths in PD Practice**
 - Myths Related to PD Patient Selection
 - Myths Related to PD Infection
 - Myths Related to Surgical Procedures in PD Patients
- **Team Approach to Enhancing PD Safety**
 - Value of CKD Education and Modality Life Plan
 - Making and Effective Home Visits
 - Burden of Care

HEMODIALYSIS TOPICS

- **The Dark Side of Hemodialysis**
 - Insights into Tissue Hypoxia During HD
 - The three Central Challenges in HD and What Do We Know About Them?
- **Management of Clinical Problems on CRRT**
 - CRRT in Sepsis Induced AKI
 - Anticoagulation in CRRT-Clinical Pearls
 - Managing Hyponatremia on CRRT
 - Maintaining Patient Safety and Quality in CRRT
- **Cardiac Arrhythmias in HD patients**
 - Key Messages from MiD Study
 - Managing Cardiac Arrhythmias During and Post Dialysis
 - Reducing the Risk of Arrhythmias During Dialysis by Adjusting Dialysate Composition
 - The Role of Implantable Defibrillators
- **Volume Assessment in HD**
 - Bio-impedance
 - Cardiac/endothelial biomarkers
 - Relative blood volume
 - Lung comets
- **Dialysis in the Era of Digital Medicine: Are We Ready?**
 - Artificial intelligence and support decision tools for nephrologist and/or care giver
 - Learning and improving care from big data
 - Population based versus personalized based medicine
- **Vascular Access**
 - Urgent Vascular Access for HD-ec AVGs or Tunnelled CVCs?
 - Blood Pressure Variability and Vascular Access Outcomes on HD
- **Non-thrombotic Complications of AV Access**
 - An Update on the Management of Central Venous Stenosis
- **Home Hemodialysis**
 - Prescription
 - Assisted Home HD
 - Retention of Patients on Home HD
 - Buttonholes: Should we abandon this practice for Home HD Patients?
 - Transitional Care: Challenges and Outcomes
- **HD Session**
 - Twice Weekly HD: Observations from China DOPPS
 - RRF in Twice Weekly HD – Role in Controlling Secreted Solute Levels

NEPHROLOGY ISSUES, TOPICS, WORKSHOPS AND PANEL DISCUSSIONS

- **Administration Issues**
 - Update on Billing and the Bundle
 - Dealing with Billing Changes
 - Oral vs. IV Medications
 - Monitoring and Managing Doses
- **Infection Prevention in Dialysis**
 - Catheter-related infections
 - Hepatitis C
 - Antibiotic Use in Dialysis: Updated Guidelines
- **Quality Issues in Dialysis**
 - Why You Need Data Driven System in your Quality Improvement
 - ICHCaps: Is it a Meaningful Measure? (Pro/Con)
 - Physician and Staff Engagement
- **Emergency Preparedness**
 - Are you in Compliance with Requirements?
 - Case Presentations: Learn from those who Experienced Natural Disasters
- **Nutrition in Dialysis**
 - Update on Nutrition KDOQI Guidelines
 - Effects of Meals on Dialysis
 - IDPN
 - Tube feedings
- **Renal Transplantation Update**
 - ABO Incompatible Transplant
 - Bariatric Surgery: Is It Appropriate as a Prep for Transplantation?
 - Transplant preparedness
- **Luncheon Sessions:**
 - Learn from Your Colleagues: Issues in Hemodialysis and Peritoneal Dialysis
 - Career Development in Nursing
- **Transitions in Care**
 - CKD to Dialysis
 - In-center to Home
 - PD to Home HD
 - AKI to Chronic
 - Transplant Back to Dialysis
- **Ethical Issues vs Patient Centered Care**
 - Missed Treatments
 - Vascular Access-Patients Refusing Fistula Creation
 - Burden of Therapy
 - Physician burnout in nephrology

SYMPOSIUM ON PEDIATRIC DIALYSIS

- **Hot Topics I**
 - Food Insecurity in Dialysis Patients
 - Dialysis in Special Conditions (e.g., ARPJD)
 - PD Adequacy Guidelines: What's New
- **Pediatric Breakout Luncheons**
 - Fellows Luncheon and Dialysis Competency Exam
 - Pediatric Dialysis Nurse Practitioners Luncheon
 - Pediatric Nurses Luncheon
 - Pediatric Renal Dietitians Luncheon
- **Pediatric Dialysis Keynote Addresses**
 - Update on Myocardial Stunning During Hemodialysis
 - The Social Media Revolution in Nephrology Education
- **The Value of Disease-Specific Camping – our most important work.**
 - Medical Preparedness and the Role of the Camp Medical Director
 - Common Psychosocial Issues Associated with Disease-Specific Camping
 - Camp Operations: From Set up to Day-to-Day
- **Transition is a Team Sport**
 - The patient Perspective
 - The Pediatric Dialysis Provider Perspective
 - The Internal Medicine Dialysis Provider Perspective
- **Vascular Access for the Long Haul: Preservation and Restoration**
 - Successful Save the Vein Programs
 - Opening Chronically Stenotic Vascular access = Extending Life
- **Workshop on Continuous Renal Replacement Therapy (CRRT)**
 - The Epidemiology of Acute Kidney Injury (AKI)
 - Prescribing and Monitoring CRRT
 - Current AKI Research
 - Nutrition for the Pediatric CRRT Patient
 - Quality Improvement for CRRT: The Time is Now
- **Tour of Children's Medical Center Dallas**
- **Education Strategies: Mastering Simulation and Simulation Demonstrations, How to Do It**
- **Hot Topics II**
 - Infection Prevention
 - Standardized Outcomes in Nephrology (SONG)
- **My Favorite Paper**
 - Clinical Nephrology/Dialysis
 - AKI
 - Nursing
 - CRRT
 - Nutrition

TECHNICIAN PROGRAM

This one-day program offers a full day session designed specifically for the dialysis technician who participates in providing care for patients on dialysis therapy to address topics and issues specific to their roles as a member of the dialysis multi-disciplinary team.

Interdisciplinary Care: Role Awareness

- Volume Management
- Vascular Access
 - Assessment
 - VA Problems and Interventions
 - Practical Tips
- Preventing Burnout
- Test Your Knowledge
- In-center Patient Perspective of Dialysis and Dialysis Care

PRECONFERENCE PROGRAMS • SATURDAY, MARCH 16

THE FUNDAMENTALS OF DIALYSIS IN CHILDREN

Session I

- Peritoneal & Vascular Access
- Physiology of Blood Purification (Dialysis and Pheresis)
- PD Prescription and Adequacy Monitoring

Nursing Breakout

- Inventory Management for Value - Added: Home and In-center
- Interpreting the PET
- Non-infectious Complications of PD

Session II

- HD Prescription and Adequacy Monitoring
- Pediatric Dialysis Nutrition Guidelines
- Growth and Recombinant Growth Hormone Therapy

Session III

- Fellows Case Conference – Stump the Consultants

Pediatric Dialysis Nurses and Nurse Practitioners Luncheon

- Atypical HUS

Pediatric Renal Dietitian Luncheon

Session IV

- Renal Bone Disease
- Renal Anemia: The Basics

Session V

- Major Infectious Complications
- Cardiovascular Complications