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 40th Annual Conference on Dialysis, and 31st Annual Symposium on Pediatric Dialysis are presented by the University of Missouri School of Medicine, Department of Medicine, Division of Nephrology in cooperation with Continuing Medical Education and Physician Lifelong Learning; and the University of Missouri Sinclair School of Nursing.

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.
CONFERENCE ORGANIZERS AND PLANNING COMMITTEE

CONFERENCE CHAIR
Ramesh Khanna, MD
Professor, Director, Chair - The Karl D Nolph, MD
Division of Nephrology
Department of Medicine - University of Missouri
School of Medicine
Columbia, Missouri

PROGRAM DIRECTOR
Leonor Ponferrada, BSN, RN, CNN
Education Coordinator, Division of Nephrology
University of Missouri Department of Medicine
Columbia, Missouri

HEMODIALYSIS CHAIR
Madhukar Misra, MD, FRCP (UK)
Professor of Medicine, Division of Nephrology
University of Missouri Department of Medicine
Columbia, Missouri

PERITONEAL DIALYSIS CO-CHAIRS
Kunal Chaudhary, MD, FACP, FASN, FASH
Chief, Nephrology Section
Harry S Truman Veterans' Hospital
Professor of Clinical Medicine, Division of Nephrology
University of Missouri Department of Medicine
Columbia, Missouri

Ramesh Khanna, MD
NAC Program Chairs
Matthew Oliver, MD, MS
Associate Professor
University of Toronto
Toronto, Canada

Scott Liebman, MD, MPH
Associate Professor of Medicine
Division of Nephrology
University of Rochester School of Medicine
Rochester, New York

NURSING AND HEALTH

NURSING AND HEALTH RELATED PROGRAMS
Leonor Ponferrada, BSN, RN, CNN, Chair
Shirley J. Farrah, PhD, RN-BC, Nurse Planner
Assistant Dean, MU Nursing Outreach
University of Missouri Sinclair School of Nursing
Columbia, Missouri

PEDIATRIC CO-CHAIRS
Steven Alexander, MD
Professor of Pediatrics Nephrology
Stanford University School of Medicine
Stanford, California

Bradley Warady, MD
Professor of Pediatrics
Children's Mercy Hospital and Clinics
Kansas City, Missouri

Helen Currier, MA, BSN, RN, CENP, CNN
Medical Science Liaison
Rockwell Medical
Houston, Texas

PLANNING COMMITTEE
LaVonne Burrows, APRN, BC, CNN
– Springfield, MO
Rebecca Cline, RN, CNN – Kansas City, MO
Jessica Gee, MSN, C-FNP, CNN-NP – Houston, TX
Stephanie Huakey, BSN, RN, CNN – Kansas City, MO
Lisa Koester, MSN, RN, CS, ANP – St. Louis, MO
Maria Luongo, MSN, RN, BA – Boston, MA
Kunal Malhotra, MD, MBA, FASN, FNKF
– Columbia, MO
Brent Miller, MD – Indianapolis, IN
Amy Nam, MBA, MSN, RN, CNN – Kansas City, MO
Alicia Neu, MD – Baltimore, MD
Joanna Neumann, RN, CNN – San Jose, CA
Nonnie Polderman, RD – Vancouver, BC-CA
Susan Ronning, BSN, RN, CNN – Columbia, MO
Antoinette Thomas, MBA, MHA, BSN, RN, CPN
– Grand Prairie, TX

Fraun Schaefer, MD – Heidelberg, Germany
Beth Witten, MSW ACSW LSCSW – Kansas City, MO
Preethi Yerram, MD, MS, FASN – Columbia, MO

CONFERENCE PLANNING AND LOGISTICS
Claire Oser
Administrative Assistant
University of Missouri Department of Medicine
Columbia, Missouri

Kelly Gregory
Director of Professional Education
University of Missouri St. Louis
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Megan Finnegan
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Karen Rhodes
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Birda Lewis
Office Support Assistant II
University of Missouri St. Louis
Missouri Institute of Mental Health
TARGETING FIFTY PERCENT OF ESKD PATIENTS FOR HOME DIALYSIS BY 2025: REALITY OR FANTASY?

7:55 WELCOME Leonor Ponferrada, BSN, BSHM, RN, CNN
Room 2215A

SESSION 1
Room 2215A
Presider: Preethi Yerram, MD, MS, FASN

8:00 AM Keynote: Is Change in Policy Sufficient to Attract 50% of Patients to be on Home Dialysis—Brent Miller, MD

8:30 AM Economic Impact: Is this a Determinant for Choice of Dialysis?—Eric Weinhandl, PhD, MS

9:00 AM Standardizing Education for all CKD Patients:
- Is There an Ideal Process?—Marijo Johnson, RN, BSN, CNN
- Educating Professional Care Teams: The Show-Me Echo on Kidney Disease Experience—Laurie Hines, JD

9:30 AM Role of Transitional Units—Nikhil Shah, MBBS, DNB

10:00 AM Break

SESSION 2
Room 2215A
Presider: Lisa Koester, MSN, CS, CNN-NP

10:15 AM PD Access: Percutaneous Catheter Insertion—What are the Benefits?—Rajeev Narayan, MD

10:40 AM Salt and Water Management: A Critical Consideration in HD and PD Prescriptions—Michael Kraus, MD, FACP

11:05 AM Common Reasons for PD Dropout and How to Overcome these Challenges—Anjay Rastogi, MD, PhD

11:35 AM Easing the Burden of Therapy to Prevent Dropout in Home Dialysis—Kathryn Aebel-Groesch, MSW, LCSW

12:00 PM Lunch

SESSION 3 LUNCHEON SESSION
12:15-1:00PM
LEARN FROM YOUR COLLEAGUES
Room 2215A
Moderator: Joel Glickman, MD
Panelists: Brent Miller, MD; Eric Weinhandl, PhD, MS; Kathryn Aebel-Groesch, MSW, LCSW; Lisa Koester, MSN, CS, CNN-NP
This session provides an opportunity for the audience to interact and ask questions from a panel of experts about Home dialysis-related issues. You will have an opportunity to share your experiences and bring up your challenging questions and participate in the exchange of ideas so we can learn from each other.

SESSION 4
Room 2215A
Presider: Beth Witten, MSW, ACSW, LSCSW

1:15 PM Integrated Kidney Care—Home Dialysis + Transplant—Anjay Rastogi, MD, PhD

1:45 PM Connected Health: Incorporating the System into Clinical Practice—Nupur Gupta, MD

2:45 PM Maximizing Home Therapies: Patients’ Perspective (Patient Panel)—Curtisha Anderson, CharlesDimsdale, Douglas Ludwig

3:45 PM Break

SESSION 5
Room 2215A
Presider: Brent Miller, MD

4:00 PM Targeting 50% of ESRD Patients for Home Dialysis: Is this a Reasonable Target?
- Pro—Brigitte Schiller, MD, FACP, FASN
- Con—Jay Wish, MD

4:45 PM What Can Professional Organizations Do to Promote Home Dialysis?—Panel Discussion
Panelists: Jay Wish, MD; Nielsje Gedney, BA; Maria Regnier, MSN, RN, CNN, Christopher Chan, MD

5:45 PM Adjourn
**SPECIAL EVENING SESSION**

6:00PM-7:30PM  
**Room 2215A**

Missouri's Kidney Disease Show-Me ECHO (Extension for Community Healthcare Outcomes): Extending Specialty Care into Primary Care

**Facilitator:** Laurie Hines, JD  
**Panelists:** Preethi Yerram, MD, MS, FASN; Kunal Malhotra, MD, MBA, FASN, FNKF; Leanne Peace, MSW, LCSW, MHA; Marian Carr; Elizabeth Montgomery, BS

The Kidney Disease ECHO Program is a collaboration of nephrology interdisciplinary experts with participating primary care providers that uses videoconferencing technology in promoting a case-based learning environment. The aim is early detection of chronic kidney disease (CKD), cooperative management and development of advanced skills and best practices.

Join this group of health care providers who are involved in the development and early implementation of this innovative project.

Light Hors d’Oeuvres

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**Exhibit Hall Giveaways**

Drawings to be held:

- Sunday, February 9 at 5:30
- Monday, February 10 at 4 pm

Must be present to win.
8:00 WELCOME  Madhukar Misra, MD

EXTRACORPOREAL THERAPIES: BASICS AND BEYOND

Room 2208
Presider: Madhukar Misra, MD

8:05 AM Basics of Hemodialysis Procedure
         —Madhukar Misra, MD

8:35 AM How Is Solute Transport Different in Continuous Therapies? —Anitha Vijayan, MD

9:10 AM Anticoagulation in HD: Options Beyond Heparin —Suhail Ahmad, MD

9:45 AM Discussion

10:00 AM Break

METABOLIC ABNORMALITIES ON HD

Room 2208
Presider: Michael Shoemaker-Moyle, MD

10:30 AM Hyperkalemia on HD: On Dialysate and Drugs —Jay Wish, MD

11:05 AM Managing of Sodium Disorders with CRRT/HD —Anitha Vijayan, MD

11:45 AM Discussion

12:00 PM Lunch

CLINICAL CONCEPTS IN HD

Room 2208
Presider: Bernard Canaud, MD, PhD

1:00 PM Hemodialfiltration in 2020. Ready for Primetime? —Andrew Davenport, MD

1:40 PM How to Maintain Patency of Vascular Access —Anil Agarwal, MD

2:20 PM IV Iron Use in HD Patients: What Do We Know in 2020 —Georges Saab, MD

3:00 PM Discussion

3:30 PM Break

CKD MBD: FROM RARE TO ROUTINE

Room 2208
Presider: Suhail Ahmad, MD

4:00 PM Calciphylaxis 2020 Update —Sagar Nigwekar, MD, MMSce

4:25 PM MBD: Which Biochemical Parameters to Follow? —Michael Shoemaker-Moyle, MD

4:50 PM Discussion

5:00 PM Adjourn

SPECIAL EVENING SESSION

6:00 PM - 7:30 PM

Room 2215A
Missouri’s Kidney Disease Show-Me ECHO (Extension for Community Healthcare Outcomes): Extending Specialty Care into Primary Care

Facilitator: Laurie Hines, JD
Panelists: Preethi Yerram, MD, MS, FASN; Kunal Malhotra, MD, MBA, FASN, FNFk; Leanne Peace, MSW, LCSW, MHA; Marian Carr; Elizabeth Montgomery, BS

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Light Hors d’Oeuvres
7:55 WELCOME  Steven Alexander, MD

SESSION 1
Room 2215C
Presiders: Helen Currier, MA, BSN, RN, CENP, CNN; Bradley Warady, MD
8:00AM  Peritoneal & Vascular Access—Mary Brandt, MD
8:40AM  Physiology of Blood Purification (Dialysis and Pheresis) — Jordan Symons, MD
9:20AM  PD Prescription and Adequacy Monitoring — Annabelle Chua, MD
10:00AM Break

SESSION 2
Room 2215C
Presiders: Franz Schaefer, MD; Nonnie Polderman, BSc, RD
10:20AM  HD Prescription and Adequacy Monitoring — Cherry Mammen, MD
11:00AM  Pediatric Dialysis Nutrition Guidelines — Kirsten Thompson, MPH, RDN
11:40AM  Growth and Recombinant Growth Hormone Therapy — John Mahan, MD
12:20PM Lunch (provided)

NURSING AND ADVANCED PRACTICE PROVIDER BREAKOUT
Room 2211
Presider: Helen Currier, MA, BSN, RN, CENP
The Nursing Role in:
10:20AM  Prevention of Organ Stunning — Jessica Geer, MSN, CPNP, CNN-NP
10:50AM  Antibiotic Stewardship — Elizabeth Monsees, PhD, MBA, RN, CIC, FAPIC
11:20AM  Anemia Management — Pam Heise, MSN, RN, CNN
11:50AM  Adherence — Antoinette Thomas, MBA, MHA, BSN, RN, CPN
12:20PM Lunch (provided)

SESSION 3
LUNCHEON SESSIONS | 12:30PM-1:45PM
Fellows Case Conference – Stump the Consultants
Room 2215C
Presiding: John Mahan, MD
Consultants: Jordan Symons, MD; Meredith Atkinson, MD; Cherry Mammen, MD; Justine Bacchetta, MD, PhD; Mark Joseph, MD; Annabelle Chua, MD
Presenters: Nina Mann, MD, Boston Children’s Hospital; Kim Piburn, DO, Stanford University Medical Center; Kayla Flood, MD, PFCP, University of British Columbia

Advanced Practice Providers Luncheon
Room 2209
Presider: Jessica Geer, MSN, CPNR, CNN-NP
Facilitated Discussion of Practice Issues for the Pediatric Advanced Practice Provider

Pediatric Nursing Luncheon
Room 2210
Presider: Amy Nau, MBA, MSN, RN, CNN
Round Table Discussion
1. Dialysis Competencies and Inpatient Staff — Jennifer Spies, BSN, RN, CPN
2. CRRT/ECMO Connections with Limited Access — Tiffany Mullen, MSN, RN; Strack RN, BSN, CCRN
3. Orientation for the Dialysis Nurse — Antoinette Thomas, MBA, MHA, BSN, RN, CPN
4. Regulatory Hotspots — Helen Currier, MA, BSN, RN, CENP

Pediatric Renal Dietitian Luncheon
Room 2211
Presiders: Kirsten Thompson, MPH, RDN
Introduction to Pediatric Renal Nutrition with Case Presentation — Nonnie Polderman, BSc, RD
"Break-out sessions over lunch offer dietitian further discipline-specific information valuable to those new to pediatric nephrology”.
1:45PM  Break

SESSION 4
Room 2215C
Presiders: Amy Nau, MBA, MSN, RN, CNN; Steven Alexander, MD
2:00PM  Renal Bone Disease — Justine Bacchetta, MD, PhD
2:40PM  Renal Anemia: The Basics—Meredith Atkinson, MD
3:20PM-3:35PM  Break
Session 5

Room 2215C

Presiders: Jordan Symons, MD; Jessica Geer, MSN, C-PNP, CNN-NP

3:35 PM Major Infectious Complications – Alicia Neu, MD
4:15 PM Cardiovascular Complications – Franz Schaefer, MD
5:00 PM Adjourn

Special Evening Session

6:00 PM-7:30 PM

Room 2215A

Missouri’s Kidney Disease Show-Me ECHO (Extension for Community Healthcare Outcomes): Extending Specialty Care into Primary Care

Facilitator: Laurie Hines, JD

Panelists: Preethi Yerram, MD, MS, FASN; Kunal Malhotra, MD, MBA, FASN, FNKF; Leanne Peace, MSW, LCSW, MHA; Marian Carr; Elizabeth Montgomery, BS

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Light Hors d’Oeuvres
Collaborating to Improve Care and the Future Outlook for Individuals with PKD (Polycystic Kidney Disease)

Why Join the PKD Network:

1. Participate in informative webinars about the signs and symptoms of PKD, innovative care models, and the latest scientific developments in the polycystic kidney disease space

2. Attend live events designed to provide a platform for education and collaborative discussion about the management of PKD

3. Access our growing on-demand library of educational materials, tools, and resources curated for the health care community caring for patients with chronic kidney disease

4. Easily keep up-to-date on the health care topics and policy changes affecting patients with PKD

5. Gather new insights from nephrology thought leaders and industry experts in convenient formats

Learn more about PKDnetwork and join our community at www.PKDnetwork.org

PKDnetwork is supported by Otsuka Pharmaceutical Development & Commercialization, Inc. (OPDC) and Otsuka America Pharmaceutical, Inc. (OAPI) - committed supporters of the Polycystic Kidney Disease Community. The information provided through PKDnetwork is intended for the educational benefit of health care professionals and others who support care for those with polycystic kidney disease. It is not intended as, nor is it a substitute for, medical care, advice, or professional diagnosis. Health care professionals should use independent judgment when reviewing PKDnetwork’s educational resources. Users seeking medical advice should consult with a health care professional. No CME or CEU credits are available through any of the resources provided by PKDnetwork. Some of the contributors may be paid consultants of OPDC and/or OAPI.

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The presentation will help you understand the difficult decisions patients face when choosing a life plan that might include conservative management, in-center hemodialysis, home dialysis (PD or Home HD), Kidney Transplantation or a combination of these treatments over time. Panel members are patients who lived through these choices and will give you their perspectives how it is like to live with kidney disease on different treatment modalities.

12:15 pm Lunch (provided)

1:00 pm Exhibits/Posters
Visit the poster presentations on your own or join one of the nursing faculty guided tours. Check schedule at the entrance to the poster presentations.

SESSION 3
DIALYSIS TECHNICIAN FORUM

Room 2211

Presider: Stacy Cigliana, RN, CNN

2:00 pm What to Know about Water Testing
   -Bobby Sanders, CBNT, ATOM;
   -Glenda Payne, MS, RN, CNN

2:30 pm Laboratory Testing in CKD Patients: Sampling Issues and Interpretation of Results
   -Lisa Koester, MSN, CS, CNN-NP;
   -Charles Saso, RD, LD

3:00 pm Patient Assessment and Observation: What Should I Report to the Nurse?
   -Susan Ronning, RN, BSN

This session will discuss a variety of issues and situations in the dialysis workplace that require immediate action and decision-making to prevent more serious complications to occur.

3:30 pm Discussion

3:40 pm Break

SESSION 4

Room 2211

Presider: Susan Ronning, RN, BSN

3:50 pm A Stunning Fact You Should Know about Volume Management and How to Explain to Patients about Limits in Fluid Removal—LaVonne Burrows, APRN-BC, CNN

4:30 pm Vascular Access: What Dialysis Technicians Need to Know and Do to Prolong the Life of a Vascular Access—Deborah Brouwer-Maier, RN,CNN
   • Pre and post evaluation • Cannulation • Communication • Best Practices

5:15 pm Recognizing Professional Boundaries in your Clinical Practice: HIPAA, Social Media—Kathy Merritt, LCSW

5:45 pm Discussion

6:00 pm Adjourn
### 8:00-10:00 General Session
#### Welcome, Awards and Keynote Presentations
**Room 2501A/B**

- **8:00 AM** Welcome — Ramesh Khanna, MD, Madhukar Mitra, MD, FRCP (UK); Leonor Ponferrada, BSN, RN, CNN
- **8:15 AM** Award Presentations
- **8:45 AM** Does Every Hemodialysis Patient Need to Start Thrice Weekly Treatment? — Andrew Davenport, MD
- **9:15 AM** Special Lecture from the Office of Alex Azar, Secretary, Health and Human Services - Advancing American Kidney Health: Initiatives to Improve the Lives of Americans with Kidney Disease — Nicholas Uehlecke
- **10:00 AM - 10:45 AM** Break/Exhibits

### Current Status of Home Dialysis
**Room 2502A**

- **10:45 AM** Global Perspective — Christopher Chan, MD, FRCP
- **11:15 AM** Has the Landscape Changed in the US in the Past Decade? Impact of Bundling — Eric Weinhandl, PhD, MS
- **11:45 AM** Discussion
- **12:00 PM** Lunch

### Improving Outcomes in PD
**Room 2503A**

- **10:45 AM** Patient Reported Outcomes in PD — Janice Lea, MD, MSc
- **11:10 AM** Volume Control and Outcomes — Peter Blake, MB, FRCP
- **11:40 AM** Individualizing the PD Prescription — Edwina Brown, MD
- **12:00 PM** Lunch

### Improving Outcomes in HD
**Room 2504A**

- **10:45 AM** Ultrafiltration Rate and Outcomes on HD — Peter Van Buren, MD, MScS
- **11:15 AM** Treatment Time Is an Ignored Variable for Outcomes — John Daugirdas, MD
- **11:45 AM** Discussion
- **12:00 PM** Lunch

### Barbara Prowant Lectureship: Fireside Discussion Regarding Issues in Nephrology Nursing
**10:45-12:00**
**Room 2504B**

- **Moderator:** Cynthia Russell, PhD, RN
- **Panel Members:** Mary Schira, PhD, RN, ACNP-BC; Helen Currier, MA, BSN, RN, CENP, CNN; Glenda Payne, MS, RN, CNN

This session will address topics that are critical to current practices and the future of nephrology nursing. Participants consists of practicing clinicians and educators who are previous recipients of the Barbara Prowant Lifetime Achievement Award in Nephrology Nursing and active in clinical practice.

### Luncheon Session | 12:00 PM-1:00 PM
**Room 2501A/B**

**Professional Workshop for Nephrology Practitioners: The Social Media Revolution in Nephrology Education**

- **Presider:** Nikhil Shah, MBBS, DNB
- **Speaker:** Joel Topf, MD, FACP

### Luncheon Session | 12:00 PM-1:00 PM
**Room 2505B**

**Community-based Programs and Strategies to Facilitate Smooth Transition for the CKD Patient Population: Are You Up to Date?**

- **Presider:** Kunal Malhotra, MD
- **Speaker:** Elizabeth Montgomery, BS

Chronic Kidney Disease (CKD) is a public health issue. Over 80% of the 37 million adults in the USA with CKD are undiagnosed in primary care including almost 50% of patients with advanced CKD. Almost 60% of patients with diabetes and 90% of patients with hypertension do not receive recommended testing for CKD. CKD is asymptomatic until advanced stages when treatment is less effective to prevent progression to end stage dialysis or renal replacement therapy. Approximately 50% of American adults with advanced CKD (stage G4) are not diagnosed or aware of the condition. This prevents opportunities for timely and appropriate nephrology referral, which has been shown to improve downstream outcomes and reduced costs of care.

This session will discuss various community-based strategies being employed nationally to overcome barriers to improved CKD care such as CKD testing, performance measure reporting and building a business case for CKD population health. It will also articulate what steps can be taken within each institution to help integrate CKD population health strategies in primary care.
HOME DIALYSIS

Room 2502A
Presider: Christopher Chan, MD, FRCPC

2:00 PM Home Dialysis Increases in the US regardless of Patient Race/Ethnicity – Jenny Shen, MD
2:30 PM Nocturnal Hemodialysis: Why Aren’t More People Doing It? – Nikhil Shah, MBBS, DNB
3:00 PM Explaining the Poor Penetration of HHD in the US – Joel Glickman, MD
   - An Outsider Perspective – Christopher Chan, MD, FRCPC
3:40 PM Solutions to Promoting HHD in the US: Panel Discussion | Panelists: Jay Wish, MD; Joel Glickman, MD; Jenny Shen, MD; Lisa Koester, MSN, CS, CNN-NP
4:00 PM Break

PD ACCESS

Room 2503A
Presider: Maria Luongo, RN, BA, MSN

2:00 PM PD Catheter Types: Does it Matter? – Robert Quinn, MD, PhD
2:30 PM Prevention of Early Catheter Complications – Matthew Oliver, MD, MS
3:00 PM Chronic Catheter Care – Joanna Neumann, BSN, RN
3:40 PM PD Catheter Trouble Shooting – Scott Liebman, MD, MPH
4:00 PM Break

CHARIZING CLINICAL PROBLEMS IN PD: CASE-BASED PRESENTATIONS I

Room 2504A
Presider: Preesh Yerram, MD

2:00 PM The Fluid Overloaded Patient – Prem KG Chandran, MD, FRCPE, FRCPC
2:25 PM Should Pets Be Allowed in Home/Room Where PD Exchanges are Performed? – Kunal Chaudhary, MD
2:45 PM Is Pre-sternal Catheter the Best Choice for the Obese PD Patient? – W. Kirt Nichols, MD
3:05 PM Resurgence of Gram Negative Peritonitis: Getting to the Bottom of It – Isaac Teitelbaum, MD
3:35 PM PD Related Hydrothorax – Brendan McCormick, MD
4:00 PM Break

ACUTE KIDNEY INJURY

Room 2505A
Presider: Peter Kotanko, MD, FASN

2:00 PM A Septic Patient with AKI: State of the Art – Charuhas Thakar, MD
2:35 PM RRT in AKI: Early/Late or How Early? – Anitha Vijayan, MD
3:05 PM AKI and the Heart: CHF and Beyond – Charuhas Thakar, MD
3:40 PM Discussion
4:00 PM Break

DIALYSIS ACCESS FOR HOME PATIENTS

Room 2502A
Presider: Lesley Dinwiddie, MSN, RN, FNP, CNNe

4:30 PM Vascular Access in HHD: Buttonhole or Stepladder and Why? – Rajeev Narayan, MD
5:00 PM Role of a “PD Catheter Placement Champion” in the Success of Home PD Programs – Nikhil Teppara, MD, FACS
5:20 PM Discussion
5:30 PM Adjourn

PD PRESCRIPTION WORKSHOP

4:30PM-5:30PM

Room 2501A/B
Speakers: Ramesh Khanna, MD; Kurt Tarwater, MD; Laura Hesemann, MD

Peritoneal dialysis prescription involves more than just adjusting prescription to meet target KT/V urea or creatinine clearance. Areas that not emphasized enough include BP control, and fluid and electrolytes balances. This workshop will discuss case-based assessment of sodium, potassium, calcium and phosphorus balances during monthly clinic visits and will show rational strategies of managing fluid, sodium, potassium, calcium, and phosphorus in PD patients undergoing CAPD and APD.

PD CLINICAL UPDATES

Room 2503A
Presider: Jenny Shen, MD

4:30 PM Hyponatremia in PD Patients – Anjali Saxena, MD, FASN
4:55 PM Obese Diabetic PD Patient – Prem KG Chandran, MD, FRCPE, FRCPC
5:20 PM Discussion
5:30 PM Adjourn
Evening Reception
Exhibit Hall 1500
appetizers & cash bar
8:00-5:30 “TURNING DOWN THE CHURN OF PD:” MAINTAINING PATIENTS ON PD
Presented in Cooperation with the North American Chapter of ISPD (NAC)

Summary: Peritoneal dialysis therapy provides many patients with an independent and flexible method to treat kidney failure in their homes. Many programs have been successful in promoting PD, however, at times, it gets frustrating to initiate many patients on therapy only to be matched by the patients who leave PD. This high turnover in PD programs creates a high “churn” rate that creates a challenge for both patients and their healthcare providers. This education day will focus on teaching participants strategies to “turn down the churn” so PD programs can grow and patients are treated successfully with PD for longer periods of time.

MAINTAINING PD DESPITE COMPLICATIONS
Room 2502A
Presider: Scott Liebman, MD, MPH

8:00 AM  NAC Presidential Address – Overview of Turning Down the Churn
– Matthew Oliver, MD, MS
8:20 AM  Reducing PD Loss from Infection
– Sharon Nessim, MD, MSc
8:50 AM  Managing Catheter Dysfunction
– Scott Liebman, MD, MPH
9:20 AM  Managing Mechanical Complications of PD
– Brendan McCormick, MD
9:50 AM  Discussion
10:00 AM  Break

FLUID MANAGEMENT ON PD
Room 2502A
Presider: Matt Oliver, MD, MS

10:45 AM  Preserving Residual Function/Managing Decline – Isaac Teitelbaum, MD
11:10 AM  Managing Fluid Overload
– Jeffrey Perl, MD, SM, FRCP(C)
11:35 AM  PD with Cardiovascular Disease
– Sagar Nigwekar, MD, MMSc
12:00 PM  Lunch

LUNCHEON SESSION: ASK THE EXPERTS | 12:10PM-1:00PM
Room 2504B

In this session, facilitators will present difficult and usual cases to stimulate an interactive discussion regarding management strategies among the audience and panelists.

Facilitator: Matthew Oliver, MD, MS
Panelists: Peter Blake, MB, FRCP; Isaac Teitelbaum, MD; Anjali Saxena, MD, FASN; Jeffrey Perl, MD, SM, FRCP(C); Nikhil Teppara, MD, FACS

1:00PM-2:00PM
POSTERS IN ROOM 2500
AND EXHIBITS IN ROOM 1500

QUALITY IMPROVEMENT PROGRAMS
Room 2502B
Presider: Anjay Rastogi, MD, PhD

2:00 PM  CQI Theory Applied to PD
– Bourne Auguste, MD, MSc, FRCP, C
2:30 PM  Start Program in Alberta Canada
– Robert Quinn, MD, PhD
3:00 PM  Technology – Telehealth and New Cyclers
– Eric Wallace, MD
3:30 PM  Strategies to Grow PD Across Programs with Performance Measurement
– Peter Blake, MB, FRCP
4:00 PM  Break

LDO PERSPECTIVE ROUNDTABLE
4:30PM-5:30PM
Room 2502A

Representatives from LDOs will briefly present their organization’s current initiatives and later participate in an interactive discussion regarding strategies how to effectively grow PD and how they gauge success.

Facilitator: Scott Liebman, MD, MPH
Panelists: Martin Schreiber, MD; Page Salenger, MD; Margaret Milfort, MSN, BSN, APN-C
8:00-12:00 FREE COMMUNICATION (ORAL ABSTRACT PRESENTATIONS)

Room 2503A
Presider: Michael Tal, MD

8:00 AM A Multi-Center Analysis of Arteriovenous Fistula Survival-India – Sneha Haridas Anupama, MD
8:15 AM The Tributary Venous Access; Venous Blood Access for Hemodialysis without Intimal Damage – Stephen R. Ash, MD
8:30 AM Channel Catheter with Faster and More Complete Drainage of the Peritoneum; In Vitro Studies – Stephen R. Ash, MD
8:45 AM Initial Clinical Experience with a Novel Tunneled Chronic Hemodialysis Catheter Designed to Reduce Thrombus Accumulation: A Single Arm, Open-label Study. – Michael Tal, MD
9:00 AM Anti-RANKL Antibody Denosumab Treatment in Peritoneal Dialysis Patients – Takefumi Mori, MD, PhD
9:15 AM Nitric Oxide Level and Intradialytic Hypotension in Hepatitis C Seropositive Prevalent Hemodialysis Patients – Mohamed Ali Ibrahim, MD, PhD
9:30 AM Effect of the Use of Taurodilute Citrate and Unfractionated Heparin Combination on Inflammatory Response and Dialysis Adequacy in Hemodialysis Patients – Magdy ElSharkawy, MD, PhD
9:45 AM Parathyroid Hormone Level Variability in Hemodialysis Patients – Antonia Harford, MD
10:00 AM Break

8:00-10:00 FELLOWS FORUM, I

Room 2504B
Moderator: John Daugirdas, MD
Judges: Brigitte Schiller, MD, FACP, FASN; Page Salenger, MD; John Daugirdas, MD

8:00 AM Special Lecture: Barriers to Home Dialysis – Brigitte Schiller, MD, FACP, FASN
8:20 AM Renal Recovery after Outpatient Treatment with Peritoneal Dialysis Following Left Ventricular Assist Device Placement – Michael Ajuria, MD
8:37 AM Carbon Monoxide Poisoning in a Hemodialysis Unit – Sergio E. Alvarez-Torres, MD
8:54 AM Use of Continuous Cycled Peritoneal Dialysis as Continuous Renal Replacement Therapy in the ICU – Muhammad “Yahya” Jan, MD

9:11 AM Multi-specialist Approach to Optimization of Blood Pressures and Ultrafiltration in Pregnant Patient Initiating Hemodialysis – Ragad Asmaro, MD
9:45 AM TLS Masquerading as Dialysis Inadequacy: Our Experience – Tanvi Nandani-Tarun, MD
10:00 AM Break

BLOOD PRESSURE ISSUES ON HD

Room 2504A
Presider: John Van Stone, MD

8:00 AM IDH and Outcomes: What Does the Evidence Tell Us? – Peter Van Buren, MD, MSCS
8:30 AM Role of Dialysate Prescription in Managing IDH – Andrew Davenport, MD
9:00 AM Managing Hypertension by Volume Control and/or Medications – Best Practices – Bernard Canaud, MD, PhD
9:40 AM Discussion
10:00 AM Break

MINI SYMPOSIUM ON VASCULAR ACCESS

Room 2505A
Presider: Charmaine Lok, MD, MSc, FRCPC

Session 1 Clinical Practice Guidelines
8:00 AM Overview – Charmaine Lok, MD, MSc, FRCPC
8:05 AM NEW: KDOQI Vascular Access Guidelines – Charmaine Lok, MD, MSc, FRCPC
8:50 AM How to Get the Right Access for the Right Patient, Beginning with the ESKD Life Plan – Charmaine Lok, MD, MSc, FRCPC

Session 2 Pre-surgery
9:05 AM Save the Veins: Practical Tips to Teach Your Patients – Lesley Dinwiddie, MSN, RN, FNP, CNNe
9:25 AM Pre-conditioning Principles and Innovations – Tej Singh, MD, MBA
9:50 AM Discussion
10:00 AM Break
TELEHEALTH IN NEPHROLOGY PRACTICE

Room 2505B

Presider: Brent Miller, MD

This session will incorporate essential elements in starting a telehealth program, how to incorporate the service to your nephrology practice, technology requirements and practical tips and financial considerations related to the practice.

8:00AM  How to Start a Program – Nupur Gupta, MD
8:45AM  Practical Applications – Eric Wallace, MD
9:15AM  How Does One Do a Telehealth Visit? – Kunal Malhotra, MD, MBA, FASN, FNKF
9:45AM  Discussion
10:00AM Break

10:45-12:00 FELLOWS FORUM, II

Room 2504B

Moderator: John Daugirdas, MD

Judges: Brigitte Schiller, MD, FACP, FASN; Page Salenger, MD; John Daugirdas, MD

10:45AM  Special Lecture: What Are the Top Five Questions New Nephrologist Need to Know? – Page Salenger, MD
11:05AM  Calciphylaxis Mimicry: Erythema Nodosum in a Patient Receiving Peritoneal Dialysis – Stephen Regina, MD
11:22AM  An Unusual Use of a Peritoneal Dialysis Catheter – Saqib Chariwala, MD
11:40AM  Judges Convene
11:55AM  Judges Announce Winner
12:00PM  Adjourn for Lunch

10:45-12:00 FREE COMMUNICATION (ORAL ABSTRACT PRESENTATIONS)

Room 2503A

Presider: Madhukar Misra, MD

10:45AM  Artificial Intelligence-Driven Model to Predict Attainable Goals for Home Dialysis Populations – Caitlin Monaghan, PhD
11:00AM  Improving Medication Adherence and Outcomes in Adult Kidney Transplant Patients using a Personal Systems approach: SystemCHANGE®, Results of the MAGIC Randomized Clinical Trial – Cynthia Russell, PhD, RN, FAAM
11:15AM  A Comprehensive Digital Care Pathway for Dialysis Modality Choosing and for Homedialysis - A DiaMyn Case – Virpi Rauta, MD, PhD
11:30AM  Paraoxonase 1 Gene Polymorphisms, PON1 Expression, and Serum PON1 Activity Concerning Diabetic Nephropathy (DN) in Hemodialysis Patients – Alicja E. Graegerewska, MD, PhD
11:45AM  Discussion
12:00PM  Lunch

10:45AM-12:00PM DIALYSIS PRESCRIPTION WORKSHOP: HEMODIALYSIS

Room 2503A

Session 3 Surgery and Access Creation

Presider: Michelle Carver, BSN, RN, CNN

Speakers: Michael Kraus, MD; Lisa Koester, MSN, RN, CS, ANP

Dialysis prescription is more than just adjusting treatments to achieve target Urea Kt/V. Hemodialysis prescription should include goals to achieve adequate small and middle solute clearances, optimum volume management that would avoid high ultrafiltration rates and maintaining a quality of life that minimizes major disruptions to the patient's lifestyle.

Attend this workshop to learn more about factors to consider in writing and modifying HD prescription and to improve your skills in this area of practice.

MINI SYMPOSIUM ON VASCULAR ACCESS

Room 2505A

Session 3 Surgery and Access Creation

Presider: Lesley Dinwiddie, MSN, RN, FNP, CNNe

10:45AM  AVF and AVG Basics – John Lucas, III, MD
11:15AM  Questions and Answers
11:20AM  Catheters and Other Types of Access – John Lucas, III, MD
11:50AM  Discussion
12:00PM  Lunch

HYPERPHOSPHATEMIA: IT IS NOT ALWAYS ABOUT MINERAL BONE DISEASE

Room 2504A

Presider: Robert Lockridge, Jr, MD

10:45AM  Hyperphosphatemia and CV Risk: An Update – George Saab, MD
11:15AM  Difelikefalin Use in Hemodialysis Patients with Pruritus – Steven Fishbane, MD
11:45AM  Discussion
12:00PM  Lunch
LUNCHEON SESSION | 12:00PM-1:00PM
Professional Development for Nephrology Nurses
Room 2505B
Panelists: Cynthia Russell, PhD, RN; Mary Schira, PhD, APRN, ACNP-BC; Lesley Dinwiddie, MSN, RN, FNP, CNNe

There are many opportunities for advancing your role as a nephrology nurse. During this session, you will be introduced to clear steps you can take to fully capitalize on your skills and take advantage of professional opportunities to develop your career. Topics will include developing and submitting a conference abstract, implementing evidence-based practice and submitting a research proposal.

LUNCHEON SESSION | 12:00PM-1:00PM
(MAYBERE-REGISTRATION REQUIRED)
Major Depressive Disorder in Chronic Kidney Disease
Room 2503B
Presider: LaVonne Burrows, APRN-BC, CNN
Speaker: Cibele Pinto, PhD

This session will provide an overview of Major Depressive Disorder (MDD) and its prevalence in chronic kidney disease. The presentation will also discuss symptomatology, diagnosis and challenges in management considerations and outcomes in this patient population.

MINI SYMPOSIUM ON VASCULAR ACCESS
SESSION 4
Maturation and Cannulation | 2:00PM-4:00PM
Room 2505A
Moderator: Monnie Wasse, MD, MPH
Panelists: John Lucas, III, MD; Deborah Brouwer-Maiar, RN, CNN; Monnie Wasse, MD, MPH

This session will depict case-based presentations followed by audience participation and thought provoking discussions explaining different approaches for specific issues various members of the renal team have to implement given a specific scenario on the state of the vascular access they are confronted with. The session will focus on the practitioners’ views including surgical, endovascular, nursing and technical perspectives and will address important considerations such as access monitoring, cannulation, access emergencies and innovations for maturation.

A FUNDAMENTAL KEY TO
LONG-TERM SUCCESS IN CHRONIC
HOME DIALYSIS MANAGEMENT
Room 2503A
Presider: Maria Luongo, RN, BA, MSN
2:00PM Post Home Training: The Next Steps — Joanna Neumann, BSN, RN
2:30PM Navigating through the Challenge of Long Term Management — Maria Luongo, RN, BA, MSN
3:00PM Discussions about a Life Plan: How to Prepare Your Patient for Modality Change when the Time Comes — Kathryn Aebel-Grosch, MSW, LSCSW; Cheryl Matlack, MSW, LSCSW
3:45PM Discussion
4:00PM Break

MANAGING CLINICALLY
CHALLENGING PATIENTS
Room 2504B
Presider: Lisa Koester, MSN, CS, CNN-NP
2:00PM Liver Failure and CKD (how it evolves, managing in late CKD, acute setting, outpatient) — Melissa Anderson, MD
2:45PM Patients with Tracheostomy — LaVonne Burrows, APRN-BC, CNN; Beth Witten, MSW, ACSW, LSCSW
3:15PM Patients Post-Bariatric Surgery — How to Maintain Good Nutritional Balance — Karen Wiesen, MS, RDN, FNKF
3:45PM Discussion
4:00PM Break

STAKEHOLDERS’ LEADERSHIP AND
RESPONSIBILITIES IN ESRD CARE
Room 2505B
Presider: Brigitte Schiller, MD, FACP, FASN

***Attendees are recommended to download “Kahoot” – free app prior to this session ***
2:00PM Introduction—Brigitte Schiller, MD, FACP, FASN
2:05PM Basics of Home Dialysis: Interactive Fun Activity — Graham Abra, MD; Wael Hussein, MBBS, MSc, MRCPi
2:15PM Advancing American Kidney Health (AAKH) Initiative Executive Order: Introduction — Graham Abra, MD
2:30PM Panel Discussion: Does the Role of the Nephrologist, RN, RD, SW and CCHT change in the World of AAKH? Video Presentation — Moderator: Brigitte Schiller, MD, FACP, FASN
INFECTIONS IN THE DIALYSIS UNIT

Room 2503A
Presider: John Van Stone, MD

4:30 PM Preventing CRBSI in 2020
   — Shannon Novosad, MD

4:55 PM The Medical Director and the National Safety Strategy — Vikram Aggarwal, MD

5:15 PM Discussion

5:30 PM Adjourn

4:30PM-5:30PM TRANSITIONAL UNITS: HOW DOES IT REALLY WORK?

Room 2504A

Speakers: Michael Kraus, MD, FACP; Stacy Cigliana, RN, CNN

Transitional Units are emerging in many dialysis facilities around the country. If your dialysis facility is planning to open one, or if you want to improve on your existing one, this session is for you. Learn more about Key Components When Starting a Transitional Program and How Transitional Programs Can Work to benefit your patients and your dialysis program.
INTERDISCIPLINARY APPROACH TO PERITONITIS MANAGEMENT  
8:00AM-10:00AM  
*Room 2502A*  
**Presider:** Edwina Brown, MD  
- Overview and Medical Perspective – Edwina Brown, MD  
- Patient Education and Nursing Perspective – Joanna Neumann, BSN, RN  
- Coping with Psychosocial Needs – Cheryl Mastlack, MSW, LCSW  
- Meeting Nutritional Needs – Marianne Meyer, RDN, CSR, LD  

This session will deal with various issues and challenges that occur when a PD patient develops peritonitis. The session will include discussion on physiological changes that occur during an episode, the need for accurate diagnosis, nutrition and psychosocial effects and prevention strategies.

PATIENT EDUCATION  
*Room 2503A*  
**Presider:** Susan Ronning, RN, BSN  
8:00AM Needs Assessment and Goal Setting for the Patient and Care Partner (Path D) – Dori Schatell, MS  
8:30AM Patient Education and Training: Practical Considerations – Marijo Johnson, RN, BSN, CNN  
9:00AM Competency Testing: Evaluating Patient’s Readiness to Go Home – Rebecca Cline, RN, CNN  
9:20AM Retraining Recommendations (When to do it, reimbursement issues) – Maria Luongo, RN, BA, MSN  
9:50AM Discussion  
10:00AM Break

ANEMIA AND ANTICOAGULATION IN HEMODIALYSIS PATIENTS  
*Room 2504A*  
**Presider:** Kurt Tarwater, MD  
8:00AM Anemia Update 2020 – Jay Wish, MD  
8:40AM HIF Stabilizers in the Treatment of Renal Anemia: Current Status – Steven Fishbane, MD  
9:10AM A Patient on HD with Paroxysmal AF: Case Discussion – Sagar Nigwekar, MD, MMSc  
9:40AM Discussion  
10:00AM Break

RECOGNIZING PATIENTS’ RIGHTS AND RESPONSIBILITIES IN ESRD MANAGEMENT  
*Room 2505A*  
**Presider:** Bridget Pfaff, MS  
(Presented in Cooperation with the National Renal Administration Association)  

The chronic dialysis facility is a place where many patients socialize and consider staff like family members which sometimes blurs the lines of professional boundaries and personal interactions. At times, health care providers have to address this delicate balance between patient rights and patient responsibilities. This session will outline the regulatory requirements from CMS and transition to an interactive Q&A session with real life examples from a panel of dialysis facility leaders and experts.  

Join this session ready with your toughest questions and challenges and participate in the interaction between panelists and audience.

8:00AM Overview of Key Conditions in ESRD Care – Bridget Pfaff, MS  
8:15AM The Patient’s Rights and Responsibilities – Maria Regnier, MSN, RN, CNN  
8:30AM Dilemmas When Clinical Practice Guidelines Do Not Support Patient-Centered Care: Ethical and Legal Considerations – Caprice Vanderkolk, RN, BAH, MS, BC-NE  
8:45AM Panel and Interactive Discussion  
**Moderator:** Bridget Pfaff, MS  
**Panelists:** Caprice Vanderkolk, RN, BAH, MS, MS, BC-NE; Julie Williams, BSA; Maria Regnier, MSN, RN, CNN  
10:00AM Break
PLENARY SESSION
MAKING DIFFICULT CHOICES: ETHICAL CONSIDERATIONS
Room 2502A
Presider: Michael Shoemaker-Moyle, MD
10:30AM Ethical Framework in Decision-making
– David Fleming, MD
10:50AM Case Presentations and Discussion
• Patients with a History of Substance Abuse: Should they be Offered Dialysis Care?
• Are We Doing Enough to Assist Vulnerable Patients with Broad Social Needs? (Undocumented, Uninsured, Underinsured, Mentally Ill)
• When Durable Power of Attorney (DPOA) is not Consistent with the Patient’s Wishes
11:55AM Summary
12:00PM Adjourn

KIDNEY TRANSPLANTATION: WHAT’S NEW?
Room 2505A
Presider: Cynthia Russell, PhD, RN, FAAN
10:30AM Update on Kidney Transplant Allocation Guidelines – Preethi Yerram, MD, MS, FASN
11:00AM Changing the Rules in Transplantation: Separating Science from Stigma – Andrew Cameron, MD
11:30AM Education Strategies in Dialysis Centers Associated with Increased Transplant Wait-listing Rates – Christina Goalby, MSW
12:00PM Adjourn

Watch for details at: AnnualDialysisConference.org
Leading Home Dialysis through Innovation

DaVita home dialysis is leading the way with new technology innovations aimed at improving patients’ lives at home while helping reduce health care costs.

Visit DaVita.com/Innovation for more information.
7:00AM BREAKFAST

SESSION 1 PEDIATRIC DIALYSIS KEYNOTE ADDRESS

Room 2515A
Presiding: Bradley Warady, MD; Helen Currier, MA, BSN, RN, CENP, CNN

10:45AM Advancing the American Kidney Health Initiative: What It Means to Us – Kevin Longino, Executive Director of the National Kidney Foundation

11:30AM Infection Prevention Strategies in Dialysis from the NTDS – Alan Kliger, MD

12:00PM Lunch

SESSION 2 PEDIATRIC BREAKOUT LUNCHEON SESSIONS | 12:15PM-1:15PM

Note: Pediatric MD’s who are not fellows will be invited to network in the main luncheon hall. A separate area will be reserved for Pediatricians.

Fellows Luncheon and Dialysis Competency Exam Room 2215A
Presider: John Mahan, MD

Pediatric Nurses and Advanced Practice Providers Luncheon Room 2215C
Presider: Antoinette Thomas, MBA, MHA, BSN, RN, CPN
Where’s the Flow? Understanding the Urological Tract –Eileen Brewer, MD

Pediatric Renal Nutrition Luncheon Room 2209
Presider: Kirsten Thompson, MPH, RDN
What’s New! PRNT Clinical Practise Recommendations –Christina Nelms, MS, RD, LMNT, MS, RD; Nonnie Polderman BSc, RD

FACULTY GUIDED TOURS OF THE PEDIATRIC POSTERS | EXHIBIT HALL
1:15PM-2:00PM

SESSION 3 – THE PRENATAL DIAGNOSIS OF SEVERE RENAL ANOMALIES: CLINICAL AND ETHICAL DILEMMAS

2:00PM-3:30PM

Room 2215A
Presider: Amy Nau, MBA, MSN, RN, CNN; Bradley Warady, MD;
Speakers: John Lantos, MD; Emanuel Michael Vlastos; Howard Kilbride, MD, Jennifer Linebarger, MD

BEST ABSTRACTS #1 AND #2

Room 2215A

3:30PM Worsening Myocardial Strain with Preserved Cerebral Oxygenation in Pediatric Chronic Hemodialysis – Alexandra Idruso, MD

3:45PM Video Auditing of Nursing Practice in Pediatric Hemodialysis – Kelly Nitz, MSN, RN, CNN

4:00PM Break and Exhibits

PEDIATRIC NUTRITION SYMPOSIUM 1

2:00PM-4:00PM

Room 2215C
Presider: Nonnie Polderman, BSc, RD
Dyslipidemia – Nisha Singh, MD, MBA; Jessica Tower, MS, RD, LD

4:00PM-4:30PM Break and Exhibits

PEDIATRIC NUTRITION SYMPOSIUM 2

Room 2215C
Presiding: Kirsten Thompson, MPH, RDN

4:30PM Hemodialysis and the Effects of Exercise on Quality of Life and Depression Symptoms – Amanda Porter, MS, CCLS

5:15PM The Year in Review – Peds Renal Nutrition Literature – Christina Nelms, MS, RD, LMNT

6:00PM Adjourn

SESSION 4 – SYMPOSIUM ON THE ROLE OF THE ADVANCED PRACTICE PROVIDER IN A PEDIATRIC DIALYSIS PROGRAM

Room 2215A
Presiding: Amy Nau, MBA, MSN, RN, CNN

4:30PM APP and Nephrology: Successfully Incorporating the Role – Kathleen Mallet, MSN, CPNP, CNN, NP

4:50PM APP and Dialysis: Shaping the Future of Patient Care – Jessica Geer, MSN, CPNP, CNN, NP

5:10PM APP and the Bottom Line: The Financial Aspects – Mark Joseph, MD

5:30PM Panel Discussion

6:00PM Adjourn

KANSAS CITY BARBECUE AND TOUR OF CHILDREN’S MERCY HOSPITAL 6:15PM

(Note: For those not attending the Tour and BBQ, there will be a reception for all ADC attendees in the Exhibit Hall 5:30-7:00pm)
8:00-10:00 General Session
Welcome, Awards and Keynote Presentations

Room 2501A/B

8:00 AM Welcome – Ramesh Khanna, MD, Madhukar Misra, MD, FRCPC (UK), Leonor Ponferrada, BSN, RN, CNN

8:15 AM Award Presentations

8:45 AM Does Every Hemodialysis Patient Need to Start Thrice Weekly Treatment? – Andrew Davenport, MD

9:15 AM Special Lecture from the Office of Alex Azar, Secretary, Health and Human Services – Advancing American Kidney Health: Initiatives to Improve the Lives of Americans with Kidney Disease – Nicholas Uehlecke

10:00 AM - 10:45 AM Break/Exhibits

Session 1 - Symposium on the Lived Experience of Dialysis for a Child

Room 2215A

Presiders: Jessica Geer, MSN, C-PNP, CNN-NP; Bradley Warady, MD

8:00 AM The Burden of Disease and the Lived Experience of Child Dependent upon Hemodialysis – Helen Currier, MA, BSN, RN, CENP, CNN

8:40 AM The Parent Perspective – Ansara Piebenga

9:20 AM The Role of the Psychologist – Cortney Taylor Zimmerman, PhD

10:00 AM Break and Exhibits

Pediatric Nutrition Symposium 3

Room 2215C

Presider: Nonnie Polderman, BSc, RD

8:00 AM Pharmacy Review – Valerie Smith, PharmD, BCPS

9:00 AM Stomach That! Dealing Up Common GI Issues in Pediatric Renal Disease – Jessica Tower, MS, RD, LD

10:00 AM - 10:45 AM Break

Session 2

Room 2215A

Presider: Steven Alexander, MD; Kirsten Thompson, MPH, RDN

10:45 AM Nutritional Status in Children on Chronic PD: Insights from the global IPPN registry – Franz Schaefer, MD; Christina Nelms, MS, RD, LMNT

11:15 AM The G-tube: Indications, Placement Techniques, Complications – Mary Brandt, MD

11:45 AM Feeding Programs to Avoid/reduce Oral Aversion – Rebecca Enayati, OTR/L; Rebecca Johnson, PhD, ABPP

12:15 PM Lunch

Session 3 Pediatric Breakout Luncheon Sessions | 12:15 PM - 1:15 PM

Pediatric Nurses and Advanced Practice Provider Luncheon

Room 2215A

Presider: Jessica Geer, MSN, C-PNP, CNN-NP

Transitioning the Medically Complex Patient from Inpatient to Outpatient: Pushing the Competency Boundaries – Amy Nau, MBA, MSN, RN, CNN; Kathleen Mallett, APRN, FNP-C, CNN-NP

Pediatric Renal Nutrition Luncheon

Room 2215C

Presider: Kirsten Thompson, MPH, RDN

Eating During Dialysis: Challenges, Considerations and Costs – Leah Oladitan, PG Dip, RD, CSP, LD

Pediatric Dialysis, MD (Fellows and Attending’s) Networking Luncheon

Room 2209

Presider: Alicia Neu, MD

Billing for Dialysis/CRRT/Pheresis: The Basics – Mark Joseph, MD

Faculty Guided Tours of the Pediatric Posters | 1:15 PM - 2:00 PM 2500 Lobby

Pediatric Nutrition Symposium 4

2:00 PM - 4:00 PM

Room 2215C

Presider: Nonnie Polderman, BSc, RD

Research and Publishing Tools

Speaker: Margaret Murphy, PhD, RD, LD, FAND
SESSION 4 HOT TOPICS 1

Room 2215A
Presiding: Alicia Neu, MD, MD; Amy Nau, MBA, MSN, RN, CNN

2:00PM  ESRD Risk for Children with CKiD: The CKiD Experience - Derek Ng, PhD

2:30PM  Timing of Dialysis Initiation in Children: Impact on Outcome – Erica Winnicki, MD

3:00PM  Delaying Dialysis Reduces Morbidity; Increases Survival – Franz Schaefer, MD

3:30PM  Discussion

4:00PM  Break and Exhibits

SESSION 5 BEST ABSTRACTS PRESENTATIONS

Room 2215A
Presider: Annabelle Chua, MD; Meredith Atkinson, MD

Best Abstracts #3 - #6

4:30PM  Epidemiology and Risk Factors for Hemodialysis-Associated Infections in Children: The SCOPE Collaborative – Rebecca Ruebner, MD, MSCE

4:45PM  Survival of Neonates Identified with ESRD during the Initial Pediatric Hospital Admission – Donna J. Claes, MD

5:00PM  "Save the Vein" Initiative in Children with Chronic Kidney Disease – Nisha Singh, MD

5:15PM  Molecular Mechanisms of Vascular Transformation in Paediatric Patients on Low and High GDP PD – Maria Bartosova, PhD

5:30PM  Adjourn
SESSION 1 - SYMPOSIUM ON ETHICAL ISSUES IN KIDNEY TRANSPLANTATION FOR CHILDREN

Room 2215A
Presiders: Bradley Warady, MD; Amy Nau, MBA, MSN, RN, CNN

8:00 AM Refusal to Vaccinate: Approach to the Antivaccers
  - Jason Newland, MD, MEd
8:25 AM Ethical Issues Raised by Denying Transplantation to Children Whose Parents Refuse to Have Them Vaccinated
  - John Lantos, MD
8:50 AM Asking for Altruistic Organs Using Social Media
  - Andrew Cameron, MD
9:15 AM Ethical Issues Raised When Families Use Social Media to Contact Potential Altruistic Donors
  - John Lantos, MD
9:35 AM Panelist: John Lantos, MD; Andrew Cameron, MD; Jason Newland, MD, MEd
10:00 AM Break

PEDiATRIC NUTRITION SYMPOSiUM 5
Room 2215C
Presiders: Kirsten Thompson, MPH, RDN

8:00 AM Renal Nutrition for the Intensive Care Nursery
  - Lucy Pappas, MS, RD, CSP, LD
9:00 AM Nutritional Considerations for Pediatric CKD and ESRD Undergoing Bariatric Surgery
  - Leah Oladitan, PG Dip, RD, CSP, LD
10:00 AM Break

SESSION 2: MY FAVORiTE PAPER
Room 2215A
Presiders: Steven Alexander, MD; Jessica Geer, MSN, C-PNP, CNN-NP

10:30 AM Hemodialysis
  - Meredith Atkinson, MD
10:45 AM Peritoneal Dialysis
  - Annabelle Chua, MD
11:00 AM Pediatric Dialysis Nursing
  - Antoinette Thomas, MBA, MHA, BSN, RN, CPN
11:15 AM My Favorite European Pediatric Paper
  - Justine Bacchetta, MD, PhD
11:30 AM Acute Kidney Injury
  - Cherry Mammen, MD
11:45 AM Nutrition
  - Margaret Murphy, PhD, RD, LD, FAND
12:00 PM Adjourn

School of Medicine
University of Missouri Health

Division of Nephrology Welcomes you to Missouri!

https://medicine.missouri.edu/departments/medicine/divisions/nephrology-and-hypertension
Driven by love, we’re working to ensure that children everywhere spend less time as patients, and more time as kids. Learn more at childrensmercy.org/nephrology.
ACUTE RENAL FAILURE
1. Efficacy and Safety of High-volume Hemofiltration in Patients with Septic Shock: A Meta-Analysis of Randomized Controlled Trials - Sherida N. Edding
2. Pharmacological Decongestive Diuresis in Type 1 Acute Cardiorenal Syndrome - A Neglected Yet Effective Therapeutic Maneuver: A case series – Macaulay Onuigbo, MD, MSc, MBA

ADEQUACY
3. Estimation of Dialysate Collection Volume in Peritoneal Dialysis - Cornel Duta, MD
4. Examination of the Relationship Between Peritoneal Dialysis Duration and Age at Introduction - Seiji Ito, MD
5. TLS Masquerading as Dialysis Inadequacy: Our Experience - Tanvi Nandani Tarun, MD

CALCIUM, PHOSPHORUS AND BONE MINERAL DISEASE
7. Patiromer Sorbitex Calcium use in ESRD Patient Causing Hypercalcemia - Vinita Vaidya, MD

CLINICAL EXPERIENCES
8. Peritoneal Dialysis Patient with Marked Improvements in Nutritional Markers Despite Foot Wound with Necrosis of Bone while on IPN Therapy - Andrew T Araujo, RN
9. Ultrafiltration and Blood Pressure Optimization in Pregnant Hemodialysis Patient: A Multi-specialist Approach - Ragad Asmaro, MD
10. Engagement in Shared Decision-Making Among Patients with End-Stage Kidney Disease in Kerala, India - Christina Bradshaw, MD, MS
11. Peritoneal Ultrafiltration Improves Functional Class in Patients with Congestive Heart Failure without End-Stage Kidney Disease - Gajapathiraju Chamathri, MD
12. The Role of Hypertonic Continuous Renal Replacement Therapy in the Treatment of Cerebral Edema - Han-Cheng Chen, DO
13. Multiple Successful Pregnancies in a Patient Without Kidneys - Anna Curtis
14. Utilizing Certified Dialysis Technicians in Home Dialysis Programs - Danielle Gleason, RN
15. Consider to Continuous Blood Purification Therapy during Surgery in Our Hospital. - Naoaya Kamae
16. Investigation of Modifiable Risk Factors to Prevent Peritoneal Dialysis-Related Peritonitis - Shigeki Kojima, MD, PhD
17. Peritoneal Dialysis in a Geriatric Population - Emily Mattoon, MD
18. Regarding Solute Removal in Peritoneal Dialysis Monotherapy and in Combined Peritoneal Dialysis and Hemodialysis Therapy - Tomonari Ogawa, MD, PhD
19. Home-visit Medical Care by Primary Care Physicians for Three Frail Peritoneal Dialysis Patients - Daisuke Oishi, MD
20. Polyuric Non-dilated Obstructive Uropathy Complicating Abdominopelvic Sarcoma. - Macaulay Onuigbo, MD, MBA
22. Benefits of Transcatheter Aortic Valve Replacement TAVR in End Stage Renal Disease - Naseemul Siddiqi, MD
23. Carbon Monoxide Poisoning in a Hemodialysis Unit - Sergio E. Alvarez Torres, MD
24. Left Ventricular Assist Device in Hemodialysis Patient - Rudava Ullah, MD
25. Far Infrared Therapy in Hemodialysis Patients - Rudava Ullah, MD
26. Dental Diseases in Patients with End Stage Kidney Disease: Barriers to Appropriate Care and Correlation with Hospitalization - Ira Vats
**DIALYSIS SYSTEMS AND EQUIPMENT**

27. Effects of Abdominal Cavity Emptying on Serum Bicarbonate Levels in Patients with Peritoneal Dialysis - Kenichiro Koitabashi

28. Solute Removal Characteristics in Intermittent Infusion Hemodiafiltration (I-HDF) using Backfiltration of Ultrapure Dialysis Fluid in Comparison with Conventional Hemodialysis - Michio Mineshima, PHD

29. The Risk Factors for Technique Failure in Continuous Ambulatory Peritoneal Dialysis Patients in Korea “30 years” Experience in a Single Center - Hee Hyang Moon, MD, PhD

**EDUCATION**

30. Preparing a Rural Emergency Room Nurse to Care for Peritoneal Dialysis Emergencies - Irene Brewer, BSN, RN

31. Alternative Training Methods for Home Dialysis - Cheryl Cress, RN, CNN

32. Diet Education: That’s The Way I Like It” - A Patient Perspective - Sue Deepak, MA, MS, RD, CSR

33. The Role of Pre-Admission Home Visit Assessments in ESKD Options Education - Gopa Green, MD

**HOME DIALYSIS**

34. Evaluation of Clinical Lab Data from the Tablo Hemodialysis Home IDE Trial - Michael Aragon, MD

35. High Treatment Adherence and Ultrafiltration Rates on Four Day per Week Home Hemodialysis with Tablo - Michael Aragon, MD

36. Reducing ESA Usage by Improved Nutritional and Vitamin D25 Status of Hemodialysis Patients - Linda Browning, PhD, MPH, RDN

37. Introduction of Peritoneal Dialysis in Providence Healthcare Rehabilitation - Fatima Benjamin-Wong, RN

38. Successful Use of Buttonhole Technique in a Home Hemodialysis Program - Peggy Bushey, BSN, RN, DCN

39. Improved Quality of Sleep on Four Day per Week Home Hemodialysis with Tablo - Yaadveer Chahal


41. Annual Therapy Cost of Dialysis with the Quanta SC+ Personal Hemodialysis System - Paul Komenda, MD, MHA, FRCPC, FASN

42. The Patient Perspective on the Peritoneal Dialysis Catheter (Triple P) - Rachel Fissell, MD

43. Distribution of Fixed vs. Growth Mindset in a Sample of Peritoneal Dialysis Patients - Rachel Fissell, MD

44. The Relationship of More Frequent Dialysis Treatments per Week on Mortality and Hospitalization Rates in Nursing Home Patients - Alice Hellebrand, MSN, RN, CNN

45. Nephrologists Use of the SPIKES Model to Deliver Bad News to Their Stage 4 or 5 CKD Patients - Dorian Schatell, MS

46. Utilization of a Certified Clinical Hemodialysis Technician for Home-based Dialysis Programs - Gale Schulke, RN

**INFECION**

47. Peritoneal Dialysis Refresher Training to Improve Patient Outcomes - Catherine Clark, RN

48. Disseminated Oxacillin-resistant Staphylococcus Aureus Infection Caused by Perm-cath Infection Complicated with Concurrent Infective Endocarditis, Spondylodiscitis and Psoas Muscle Abscess in a Hemodialysis Patient - Yao-Min Hung

49. Salmonella Nonaneurysmal Abdominal Aortitis in a Hemodialysis Patient - Yao-Min Hung

50. A Case of Peritoneal Dialysis Associated Peritonitis Caused By Leclercia Adecarboxylata - Deepa Koshti, MD

51. Gentler Way to Clean - Stuart Mott, LPN

Seasonality of Peritoneal Dialysis-Associated Peritonitis: A Single-Center Experience Over a 10-Year Period - Tsutomu Sakurada, MD

Use of a Surveillance Tool and Audit Process to Reduce Episodes of Peritonitis among Peritoneal Dialysis Patients - Mary Teising, RN

 QUALITY IMPROVEMENT

Engaging the Inter Disciplinary Team in Critical Thinking and Process Improvements to Improve Peritoneal Dialysis Adequacy - Grace Alagadan

The Dialysis Patient Perspective on Recurrent Hospitalizations: An Anthropological Approach - Rachel Fissell, MD

Are Diuretics Appropriately Dosed in Maintenance Hemodialysis Patients? - Omar Ghadieh

Cognitive Support Strategies to Improved Medication Adherence in Older Adults Undergoing Hemodialysis - Debra Hain, PhD, ARNP-BC, FAANP

Evaluating Quality of Life in Patients on CAPD and It's Association with Clinical and Laboratory Parameters - MM Iqbal, MD

Cross Training Inpatient Team to the Home PD Program - Kayla Mettler RN

Home Dialysis Utilization in the United States: Reality and Expectations - Eric Weinhandl, PhD, MS

PEDIATRICS

Human Factors and Infection Prevention in Pediatric Hemodialysis - Stephanie Brightman, BSN, RN, CPN

Cost-Effective and Prophylactic Use of ClearGuard* Caps for a Sustained Reduced Catheter Associated Blood Stream Infection Rate - Kaitlyn Enochs, BSN, RN, CPN

Title: Impact of RBC Exposure for Hemodialysis on Panel Reactive Antibodies at Renal Transplant - Ann Freihoff, CPNP

A New, Innovative and Time-Efficient Dialysis Catheter and Exit-site Electronic Surveillance Tool - Ana Grilo

A Prospective Study and Comparison of Patency and Infection Measures of Three Dialysis-Catheter Locking Solutions in a Pediatric Hemodialysis Patient Population - Ana Grilo

Feasibility of Creating Individualized Dialysis Report Cards as a Nutrition Enrichment Tool for Education in a Pediatric Hemodialysis Unit - Jordi Goldstein, DSc, CNN-NP, NP-C, RD

Improving End Stage Renal Disease Quality Incentive Payment Total Performance Scores - Shelly Guyer MSN, RN, CPHQ

Strategies to Improve Phosphorus Outcomes in Pediatric Hemodialysis Patients - Diane Kraynak, CPNP, CNN

Use of a Commercial Blenderized Tube Feeding Product in Pediatric Dialysis Patients - Ellen McClay, MS, RD, CNSC

Use of an Electronic Communication Tool by Dietitians Working in Pediatric Nephrology - Nonnie Polderman, BSc, RD

Infection Risk of Buttonhole Technique for AVF Cannulation in the SCOPE Collaborative - Heather Morgans, DO

Video Auditing of Nursing Practice in Pediatric Hemodialysis – Kelly NItz, MSN, RN, CNN

Resolution of Severe Hypercalcemia Secondary to Pica in a Pediatric Hemodialysis Patient - Sara Norris, CPNP-PC

Treatment of Baclofen Toxicity with High Flux Hemodialysis in a Pediatric Patient with Normal Renal Function - Siddharth Shah, MD, FASN

Comparison of Peritoneal Equilibrium Testing (PET) Urea and PET Creatinine in Pediatric Patients Receiving Maintenance Peritoneal Dialysis - Shweta Shah, MD

Reinforcing Emergency Disconnect Process during Disaster Evacuation for In-Center Pediatric Hemodialysis Patients - Jennifer Tanaka

Pediatric Dialysis Patients' Renal Diet Adherence: The Staff Perspective - Antoinette Thomas, MBA, MHA, BSN, RN, CPN
**Pediatric Cases**

79 Overlooked Etiology for Hyperphosphatemia- Anwar AL-Omairi, MD
80 Some Emesis in the AM of Presentation, but Otherwise Been Well......- Ali Annaim, MD, MPH
81 CKD Stage 5d Secondary to Renal Hypoplasia on Hemodialysis- Eric Benz, MD
82 Past Medical History of Transposed Great Arteries, Tricuspid Atresia, Pulmonary Stenosis and Ventricular Septal Defect- Xochitl Castillo, MD
83 Pregnancy was Complicated by Gestational Hypertension- Ellen Cody, MD
84 Management of a Peritoneal Dialysis Catheter with Superficial Infection and an Ulcerative Lesion Resulting in Extrusion of the Catheter- Elisabeth Crana, MD
85 AV Fistula Emergency: Infection Leading to Rupture and Hemorrhage of an AV Fistula Pseudoaneurysm- Christine Crana, MD
86 Unforeseen Case of Dysautonomia- Raja Dandamudi, MD
87 Don’t Rub Salt Into the Wound: Slow Correction of Severe Hyponatremia in an Infant with Acute Renal Failure- Minh Dien Duong, MD
88 History of Progressive Jaundice Associated with Dark Urine and Acholic Stool- Amal Ezzaiyani, MD
89 Refractory Anemia an Diron Overload in a Pediatric Hemodialysis Patient- Kayla Flood, MD, FRCPC
90 Congenital Nephrotic Syndrome- Ashley Gefen, MD
91 A Unique Case of Neonatal ESRD in an Infant on Peritoneal Dialysis- Kim Hannah, MD
92 Pancreatitis in a Chronic Peritoneal Dialysis Patient – Heather Morgans, MD
93 Right Atrium Thrombus and Pulmonary Embolism in a Patient Receiving Hemodialysis- Emma Huang, MD
94 Dengue a Mosquito-borne Febrile Viral Illness- Marissa Lipton, MD
95 Dialated Cardiomyopathy s/p Orthotopic Heart Transplant- Ruchi Mahajan, MD
96 20 Year Old with End Stage Renal Disease of Unknown Etiology- Nina Mann, MD
97 Born with VACTERL and the Congenital Anomalies- Kyle Merrill, MD
98 "To PD or not to PD"- Sonia Midha, MD
99 Intra-abdominal Foreign Body Causing Recurrent Peritonitis and Dialysis Failure in a Pediatric Peritoneal Dialysis Patient- Enas Mohammed, MD
100 Ultrasound Reveals Bilateral Renal Masses- Anoosh Moin, MD
101 Infant Girl Rescued from a House Fire, presented to Outside ED- Dorota Marchel, MD28. Pancreatitis in a Chronic Peritoneal Dialysis Patient- Heather Morgans, MD
102 Pancreatitis in Chronic Peritoneal Dialysis Patient - Heather Morgans, MD
103 Red Effluent in a CRRT Patient- Kim Piburn, DO
104 Complex Medical History with End-stage Renal Disease in Infancy- Ruby Patel, MD
105 Calciphylaxis in a Pediatric ESKD Patient- Naile Pekkucuksen, MD
106 Persistent Pericardial Effusion with Eventual Tamponade Physiology in an Infant with Congenital Nephrotic Syndrome on Peritoneal Dialysis- Juliann Reardon, MD
107 Oligoanuric Renal Failure as a Presentation of Rhabdomyosarcoma- Ben Spector, MD
108 Kearns-Sayre with Advanced CKD- Eloise Salmon, MD
109 Anonymized Composite- Kristianna Singh, MBBS
110 The 10 Year Old with Shortness of Breath on Hemodialysis- Lokesh Shah, MD
111 ESRD on Chronic Hemodialysis- Anita Tambay, MD
112 Autosomal Recessive Polycystic Kidney Disease and ESRD- Elizabeth Thomas, MD
113 Hypertension Urgency in a Patient with ESRD on Continuous Renal Replacement Therapy- Yuping Xie, MD

* Case Winners – oral presentations on Saturday, Fundamentals of Dialysis in Children “Stump the Consultants”