3rd North American Chapter Meeting
of the
International Society for Peritoneal Dialysis (ISPD)

Scientific Program

Vancouver, BC, Canada — August 27–29, 2009

THURSDAY ♦ AUGUST 27

PRE-COURSE SESSION 1
8:00–10:00am
8:00 Physiology of the PD Membrane – Isaac Teitelbaum
8:30 Peritoneal Membrane Structure
9:00 Mechanism of Fluid Removal, Sodium Sieving, and PET
9:30 Workshop on PD Prescription – John Burkart
10:00–10:30am Break

PRE-COURSE SESSION 2
10:30–12:30pm
10:30 PD Catheter Placement and Management – Rajnish Mehrotra
11:00 Workshop: Noninfectious Complications – Joanne Bargman
12:30–1:30pm Lunch

PRE-COURSE SESSION 3
1:30–3:30pm
1:30 Infectious Complications of PD: Prevention and Management – Beth Piraino
2:00 Metabolic Complications of PD: Diabetic Control, Weight Gain, Hyperlipidemia, Protein Malnutrition
Tom Golper
3:30–4:00pm Break

PRE-COURSE SESSION 4
4:00–6:00pm
4:00 Training the Patient – Judy Bernardini
4:30 Hands-on Demonstration of PD Equipment – Valerie Price

FRIDAY ♦ AUGUST 28
7:00–8:00am Breakfast

SESSION 1
Expanding the Role of PD
Chairs: Isaac Teitelbaum & Paul Taylor
8:00–10:00am
8:00 Introductory Remarks and Awards – Isaac Teitelbaum
8:30 Peritoneal Dialysis: Therapy for Congestive Heart Failure – John Burkart

9:00 Getting Patients Home: Home Assisted PD – Matthew Oliver
9:30 Improving Outcomes for PD Patients – Karen Yeates
10:00–10:30am Break

BREAKOUT SESSION 1
Challenges of the Long-Term PD Patient
Chairs: Joanne Bargman & Ali Abu-Alfa
10:30–12:30pm
10:30 Zellerman Lecture: Peritoneal Membrane Transport in Long-Term PD Patients – Raymond Krediet
11:20 Transitions: PD to Transplantation and Back Again Isaac Teitelbaum
11:40 Encapsulating Peritoneal Sclerosis – Peter Margetts
12:00 Vitamin D: Panacea for the Long-Term PD Patient? Stuart Sprague

ALLIED HEALTH SESSION 1
10:30 Exit-Site Care: What’s New? – Judy Bernardini
11:00 Nursing Care of PD Catheters Following Nonsurgical Placement – Diane Watson
11:30 Peritonitis Treatment: Adult and Pediatric – Judy Bernardini
12:00 Nursing Care of the Aging PD Population – Gillian Brunier
12:30–1:30pm Lunch

BREAKOUT SESSION 2
Workshop 1: Infectious and Noninfectious Complications of PD
Chairs: Brad Warady & Beth Piraino
1:30–3:30pm
1:30 Peritonitis: Biology and Biofilms – Mrinal Dasgupta
2:00 Challenging Peritonitis Cases – Beth Piraino
2:30 Infectious and Other Complications in Children on PD: a Report of the International Pediatric Peritoneal Dialysis Network – Brad Warady
3:00 Nephrogenic Systemic Fibrosis – Ali Abu-Alfa

FREE COMMUNICATIONS SESSION 1
Basic Research
1:30–2:00 Basic Science Literature Review: 2008–2009
Michael Flessner
Basic Science Free Communications
2:00  Seasonal Variation in Blood Pressure in Patients Treated with Peritoneal Dialysis
   Brendan McCormick, University of Ottawa, Ottawa, ON, Canada
2:10  Regulation of Adenosine System at the Onset of Peritonitis
   Amos Douvdevani, Soroka Medical Center, Beer-Sheva, Israel
2:20  Inhibition of Mammalian Target of Rapamycin (mTOR) in Peritoneal Fibrosis
   Yoshihi Sekiguchi, McMaster University, Hamilton, ON, Canada
2:30  Foreign Body Response to Intraperitoneal Silicone Catheters Results in Variable Inflammation in Rats over 20 Weeks
   Michael Flessner, University of Mississippi Medical Center, Jackson, MS, United States
2:40  Sterile Foreign Body Response from Intraperitoneal Polymers Results in Submesothelial Inflammation in Mice
   Michael Flessner, University of Mississippi Medical Center, Jackson, MS, United States
2:50  24-Hour Ultrafiltration Efficiency with Combined Glucose and Icodextrin Solutions: Predicted Dependence on Patient Transport Characteristics
   Alp Akonur, Baxter Healthcare, McGaw Park, IL, United States

3:00–3:30  Late Breaking News

ALLIED HEALTH SESSION 2
1:30  How ISPD Patient Training Guidelines Could Affect Your Program – Valerie Price
2:00  Allied Health Workshop: Hands on Application and Practice – Valerie Price, Judith Bernardini, & Maggie Quinn
3:30–4:00 pm  Break

BREAKOUT SESSION 3
PD in Challenging Populations
Chairs: Karen Yeates & Brenda Hemmelgarn
4:00–6:00 pm
4:00  ESRD and Diabetes in North American First Nations
   Brenda Hemmelgarn
4:30  Quality of Life for Elderly PD Patients – Vanita Jassal
5:00  Trials and Tribulations of PD During Adolescence
   Mariam Kaufman

BASIC SCIENCE SESSION
Preservation and Repair of the Peritoneal Membrane
Chairs: Mrinal Dasgupta & Scott Brimble
4:00  Epithelial Memesenchymal Transition: Cause, Effect, and Potential Therapies – Peter Margetts
4:30  The Etiology of Sterile Peritoneal Inflammation and the Potential Impact on Clinical Dialysis – Michael Flessner
5:00  Immune Response to Peritonitis: Basic Mechanisms and Clinical Implications – Joaquim Madrenas
5:30  Clinical Implications of Peritoneal Inflammation
   Jeffrey Perl

OPENING RECEPTION & POSTERS
6:00–7:30 pm

SATURDAY  ♦  AUGUST 29
7:00–8:00 am  Breakfast

SESSION 2
Peritoneal Dialysis and Fluid Volume Homeostasis
Chairs: John Burkart & Rajnish Mehrotra
8:00–10:00 am
8:00  Physiology of the Cardiorenal Syndrome – Robert W. Schrier
8:40  Epidemiology of the Cardiorenal Syndrome – Robert Foley
9:10  The Impact of Fluid Management on Cardiac Disease in Children – Mark Mitsnefes
10:00–10:30 am  Break

BREAKOUT SESSION 4
Barriers to PD
Chairs: Fred Finkelstein & Richard Amerling
10:30–12:30 pm
10:30  Barriers to PD Therapy: Educating the Patient – Fred Finkelstein
10:50  Barriers to PD Therapy: Educating the Physicians – Suzanne Watnick
11:10  Economic Barriers to PD Therapy: the Physician – Tom Golper
11:30  Economic Barriers to PD Therapy: the Patient – Richard Amerling
11:50  Roundtable Discussion: Barriers to PD Therapy – Richard Amerling, Fred Finkelstein, Tom Golper, & Suzanne Watnick

ALLIED HEALTH SESSION 3
10:30 Transition from Pediatric Care to Adult Programs – Paule Comtois
11:00  Patient Teaching Patient Learning: the Latest Review
   Valerie Price
11:30  Nursing Care of Catheter Complications – Diane Watson
   Membrane Failure: Nursing Implications – Gillian Brunier
12:30–1:30 pm  Lunch

BREAKOUT SESSION 5
Workshop 2: Novel Techniques and PD Catheter Placement
Chairs: Tom Golper & Matthew Oliver
1:30–3:00 pm
1:30  Embedded PD Catheters – Brendan McCormick
1:55  Nonsurgical PD Catheter Placement Techniques – Sunnet Singh

FREE COMMUNICATIONS SESSION 2
Clinical Research
1:30-2:00  Literature Review: 2008–2009, Clinical Advances in PD – Scott Brimble
Clinical Science Free Communications

2:00  Effect of a Change in Prophylactic Cream on PD-Related Bacterial Resistance Patterns
Dwayne Pierce, Wake Forest University Baptist Medical Center, Winston-Salem, NC, United States

2:10  The Outcomes of Continuous Ambulatory Peritoneal Dialysis (CAPD) and Automated Peritoneal Dialysis (APD) Are Similar
Yi-Wen Chiu, Los Angeles Biomedical Research Institute at Harbor-UCLA, Rancho Palos Verdes, CA, United States

2:20  Effect of Allograft Failure on Pediatric Dialysis Survival by Dialysis Modality: a NAPRTCS Study
Ashton Chen, University of Michigan Health System, Ann Arbor, MI, United States

2:30  Experience with Buried Peritoneal Dialysis (PD) Catheters: Impact on Catheter and Patient Outcomes
Elwaleed Elhassan, University of Colorado Denver, Aurora, CO, United States

2:40  Training of Surgeons in Peritoneal Dialysis Catheter Placement in the United States: a National Survey
Leslie Wong, Northwest Kidney Centers and University of Washington, Seattle, WA, United States

2:50  Use of Double Cuff Catheters Is Associated with a Reduced Risk of S. aureus Peritonitis in Patients on Peritoneal Dialysis
Sharon Nessim, St. Michael’s Hospital, Toronto, ON, Canada

3:00–3:30pm
Debate: The Ontario Initiative: Should We Legislate PD Utilization?
For: Peter Blake
Against: David Mendelssohn

SESSION 3
PD in North America: Present State and Future Trends
Chairs: Robert Foley & Peter Blake
4:00–6:00pm
4:00  Home Hemodialysis – Competition for PD Patients?
Chris Chan


5:00  Why Is HD More Common than PD in Children?
Colin White

5:30  Trends in PD Utilization – Rajnish Mehrotra

CLOSING REMARKS
6:00–7:30pm

POSTERS

Anemia, Nutrition, and Metabolism

P1  DaVita Pilot Program Evaluation of Darbepoetin Alfa in Peritoneal Dialysis Patients
Lisa Korth, DaVita Inc., Lakewood, CO, United States

P2  Is There Any Relationship Between Serum Zinc and Other Parameters in Dialysis Patients?
S. Moghadasimousavi, Sadougi Medical University, Yazd, Iran

Calcium, Phosphorus, PTH

P3  Phosphate Questionnaire in PD Patients: Does It Help in Identifying Factors that Affect Phosphate Control?
Fredric Finkelstein, Metabolism Associates, New Haven, CT, United States

P4  The Effect of Intraperitoneal Calcitriol Pulse Therapy in CAPD Patients with Secondary Hyperparathyroidism
Ho Cheol Song, The Catholic University of Korea, Holy Family Hospital, Pucheon, South Korea

Cardiovascular Disease

P5  Waist-to-Hip Ratio Predicts Cardiovascular Events and Death in Peritoneal Dialysis Patients
Azim Gangji, McMaster University, Hamilton, ON, Canada

P6  Diurnal Variation in Blood Pressure in Patients Treated with CAPD vs CCPD
Brendan McCormick, University of Ottawa, Ottawa, ON, Canada

Clinical Experience

P7  Successful Management of Encapsulating Peritoneal Sclerosis (EPS)
Saurabh Bansal, University of Pittsburgh, Pittsburgh, PA, United States

P8  A Formula for Determining Appropriate Nurse:Patient Ratios in PD Programs
Judith Bernardini, University of Pittsburgh, Pittsburgh, PA, United States

P9  Predicting Loss of Residual Renal Function in Peritoneal Dialysis Patients
Thomas Golper, Vanderbilt University Medical Center, Nashville, TN, United States

P10  Analysis of Clinical Characteristics of Chronic Renal Failure in 26 Chinese Children
Yu Li, Guangzhou First Municipal People’s Hospital, Guangzhou, Guangdong, China

P11  Assisted Peritoneal Dialysis (PD) in Poland According to Polish PD Registry 2008
Monika Lichodziejewska–Niemierko, Medical University, Gdansk, Poland

P12  Peritoneal Dialysis Is Underutilized in Pediatric Patients in North America
Deborah Miller, Inova Fairfax Hospital for Children, Falls Church, VA, United States

P13  Access to Peritoneal Dialysis: Overcoming Obstacles for Uninsured, Unencountered Patients
Angela Rich–Harris, Palomar Medical Group, Escondido, CA, United States

P14  Telemonitoring in the Renal Program: Empowering Patients and Engaging Providers
Judith Szabo, London Health Sciences Centre, London, ON, Canada
P15 The Clinical Analysis of Peritoneal Dialysis in 10 Children with Chronic Renal Failure
Gao Yan, Guangzhou Children’s Hospital, Guangzhou, Guangdong, China

Host Defenses, Peritonitis, and Other Infectious Complications

Michaela Brown, Scottish Renal Registry, Glasgow, United Kingdom

P17 Comparison of the Risk Factors of Latent Tuberculosis in Hemodialysis and Peritoneal Dialysis in Medical Center
Cheng-Hsu Chen, China Medical University, Taichung, Taiwan

P18 A Simple Technique to Decrease Peritonitis Rates
Irma Funes, WellBound, Inc., Mountain View, CA, United States

P19 Post-Peritonitis Checklist: Beyond Pharmacological Treatment
Amanda Hale, DaVita Inc., Lakewood, CO, United States

P20 Loculated PD Peritonitis Mimicking a Peritoneal Abscess
Azra Hozo, University of South Florida, Tampa, FL, United States

P21 Ciprofloxacin and Cefazolin as a Combination for Initial Empirical Therapy of Peritoneal Dialysis-Related Peritonitis: 9 Years Follow-Up
Renata Lima, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil

P22 Use of Double Cuff Catheters Is Associated with a Reduced Risk of S. aureus Peritonitis in Patients on Peritoneal Dialysis
Sharon Nessim, St. Michael’s Hospital, Toronto, ON, Canada

P23 Transforming Growth Factor Induced Alterations of Peritoneal Immune Composition
Sarah Patterson, McMaster University, Hamilton, ON, Canada

Noninfectious Complications of PD

P24 The Effect of Acute Chemical Peritonitis on Residual Renal Function and Membrane Function in Continuous Ambulatory Peritoneal Dialysis Patients
Nader Nouri-Majalan, Sadougi Medical University, Yazd, Iran

Other

P25 Novel pH Neutral, Low GDP Peritoneal Dialysis Solution (PDS) in a Double Chamber Bag
Jose Diaz-Buxo, Fresenius Medical Care North America, Charlotte, NC, United States

P26 Global Trends in the Use of Peritoneal Dialysis: a Developing Story
Arsh Jain, University of Western Ontario, London, ON, Canada

P27 Randomized Trials in Peritoneal Dialysis: North America’s Contribution and Future Opportunity
Arsh Jain, University of Western Ontario, London, ON, Canada

Peritoneal Access

P28 Reasons for and Outcomes of PD Catheter Removal
Tom Cornelis, University Health Network, Toronto, ON, Canada

P29 Unexpected Culture Findings of Tips of PD Catheters Removed in Patients with Peritonitis: No Effect on Patient Outcomes
Tom Cornelis, University Health Network, Toronto, ON, Canada

P30 Ambulatory Preoperative Selection of the Peritoneal Dialysis Catheter (PDC) Exit Site Is Associated with Fewer PDC-Related Complications Postoperatively
Anjali Saxena, Stanford University, SCVCM, Palo Alto, CA, United States

P31 The Embedded PD Catheter Combined with Shoulder Blade Exit Site Had Advantages for a Patient with Dementia
Haruki Wakai, Yokohama Daiichi Hospital, Yokohama, Japan

Peritoneal Transport Kinetics

P32 Efficacy of PD Treatment Modeling
Eylem Bog, RTS Avrupa Diyaliz Merkezi, Istanbul, Turkey

Quality Improvement/Cost Containment

P33 A Peer Support Group Improves Patient Satisfaction with Peritoneal Dialysis
Judith Flaherty, St. Joseph’s Healthcare, Hamilton, ON, Canada