PEDIATRIC NEPHROLOGY SEMINAR 2014 AND RENAL PATHOLOGY COURSE
Final Version 11-26-13
WEDNESDAY MARCH 5, 2014
06:00-08:00 P.M. Registration

PEDIATRIC RENAL PATHOLOGY COURSE (Pre-Seminar)
Director: Laura Barisoni M.D.
Co-Directors: Surya Seshan M.D. and David Thomas M.D.

THURSDAY MARCH 6, 2014
07:00-8:00 A.M. Registration. Continental Breakfast.
08:00-8:10 A.M. Introduction. Opening Remarks.
Gastón E. Zilleruelo M.D., Laura Barisoni M.D.

SESSION 1: PROTEINURIC LESIONS
Moderator: Helen Liapis M.D.
08:00-8:50 A.M. Processing and Reporting of Renal Biopsies David Thomas M.D.
08:50-9:30 A.M. Algorithmic Approach to Renal Diseases Laura Barisoni M.D.
09:30-10:10 A.M. Podocytopathies (MCD-FSGS) Laura Barisoni M.D.
10:10-10:30 A.M. Break
10:30-11:10 A.M. Congenital and Infantile Nephrotic Syndrome Helen Liapis M.D.
11:10-11:30 A.M. IgM-C1Q Nephropathies David Thomas M.D.
11:30-12:00 P.M. Membranous GN Laura Barisoni M.D.
12:00-01:00 P.M. Lunch

SESSION 2: HEMATURIAS/NEPHRITIC SYNDROMES
Moderator: Laura Barisoni M.D.
01:00-1:45 P.M. MPGN/DDD/C3 Nephropathy Sanjeev Sethi M.D., Ph.D.
01:45-2:30 P.M. Post-Infectious GN Sanjeev Sethi M.D., Ph.D.
02:30-3:00 P.M. IgA-HSP Surya Seshan M.D.
03:00-3:20 P.M. Break

SESSION 3: SYSTEMIC DISEASES
Moderator: David Thomas M.D.
03:20-4:10 P.M. Lupus Nephritis Surya Seshan M.D.
04:10-4:40 P.M. Vasculitis David Thomas M.D.
04:40-5:10 P.M. Thrombotic Microangiopathy Surya Seshan M.D.
05:10-5:30 P.M. Discussion

FRIDAY MARCH 7, 2014
07:00-8:00 A.M. Registration. Continental Breakfast.

SESSION 4: GENETIC/METABOLIC DISORDERS
Moderator: Helen Liapis M.D.
08:00-08:30 A.M. Collagen type III, IV, Fibronectin Lesions David Thomas M.D.
08:30-09:15 A.M. Fabry and Inherited Metabolic Disorders Surya Seshan M.D.
09:15-09:45 A.M. Mitochondriopathies Laura Barisoni M.D.
09:45-10:30 A.M.  Acquired and Inherited Tubulointerstitial Nephritis  Robert Colvin M.D.
10:30-10:50 A.M.  Break

SESSION 5: TRANSPLANT PATHOLOGY
Moderator: Surya Seshan M.D.
10:50-11:40 A.M.  Allograft Rejection: Cellular, AMR  Robert Colvin M.D.
11:40-12:20 P.M.  Recurrent and De-Novo Glomerular Diseases  Surya Seshan M.D.
12:20-01:00 P.M.  Transplant Infections  Robert Colvin M.D.
01:00-02:00 P.M.  Lunch

PEDIATRIC NEPHROLOGY SEMINAR AND RENAL PATHOLOGY COURSE
COMBINED SESSION FRIDAY MARCH 7, 2014 AFTERNOON

SEMINAR DIRECTOR: Gastón Zilleruelo M.D.
SEMINAR CO-DIRECTORS: Carolyn Abitbol M.D., Michael Freundlich M.D.

SESSION 6: CYSTIC RENAL DISEASES AND CAKUT
Moderator: Uri S. Alon M.D.
02:00-02:30 P.M.  Clinical Presentation and Diagnostic Imaging  Jayanthi Chandar M.D.
02:30-03:00 P.M.  Genetic Diagnosis Olaf Bodamer M.D., Ph.D.
03:00-03:30 P.M.  Cystic Diseases: Pathology  Helen Liapis M.D.
03:30-04:00 P.M.  Break
04:00-04:30 P.M.  Congenital Anomalies: Clinical Presentations and Genetics
  Olaf Bodamer M.D.,PhD
04:30-05:00 P.M.  CAKUT: Pathology  María M. Rodriguez M.D.

SESSION 7: CASE PRESENTATIONS (15 min each)
Moderator: Jayanthi Chandar M.D.
05:00-06:00 P.M.  Child with Nephrotic Syndrome
  Child with Nephritic Syndrome
  Child with Inherited Kidney Disease
  Child with Kidney Cystic Disease
06:00-06:30 P.M.  Medical Knowledge Competence Assessment
06:30-07:30 P.M.  WELCOME RECEPTION
SATURDAY MARCH 8, 2014
07.30-08:00 A.M. Registration. Continental Breakfast.

SESSION 8: CHRONIC KIDNEY DISEASES AND HYPERTENSION
Moderator: Joseph T. Flynn M.D., M.S.
08:00-08:20 A.M. Physiological Mechanisms of Nephron Loss in the Progression to ESRD
William Schnaper M.D.
08:20-08:40 A.M. Practical Application of Genetics in Pediatric Nephrology
Friedhelm Hildebrandt M.D.
08:40-09:00 A.M. Nephroprevention in the Child with CKD
Guido Filler M.D., PhD
09:00-09:20 A.M. Selecting the Optimal Antihypertensive Agent
Joseph T. Flynn M.D.
09:20-09:40 A.M. Hypertension and Obesity
Melvin Bonilla- Felix M.D.
09:40-10:10 A.M. Chester Edelmann Jr Memorial Lecture: Glomerulonephritis Update 2014
Frederick J. Kaskel M.D., Ph.D.
10:10-10:30 A.M. Panel Discussion
10:30-11:00 A.M. Break and Visit Exhibits
11:00-11:10 A.M. The José Strauss Visiting Professor Award

SESSION 9: RENO-CARDIAC INTERACTIONS
Moderator: Michael Freundlich M.D.
Michael Freundlich M.D.
11:40-12:00 P.M. Cardiac Geometry Adaptation in CKD
Mark Mitsnefes M.D., MS
12:00-12:20 P.M. How Does FGF23 Target the Kidneys?
Jyothsna Gattineni M.D.
12:20-12:40 P.M. How Does FGF23 Damage the Heart?
Christian Faul Ph.D.
12:40-01:00 P.M. How Does Vitamin D Protect the Heart?
Michael Freundlich M.D.
01:00-01:30 P.M. Panel Discussion
01:30-02:30 P.M. Meet the Professors Luncheon

SESSION 10: WORKSHOP ON GROWTH AND NUTRITION IN CKD
Moderator: John Mahan M.D.
03:00-03:20 P.M. Assessment of Growth and Body Mass in Infants and Children with CKD
Carolyn L. Abitbol M.D.
03:20-03:40 P.M. Nutritional Assessment and Management of Children with CKD
John D. Mahan M.D.
03:40-04:00 P.M. Nephron Mass and the Programming of the Metabolic Syndrome in
Infants with CKD
Carolyn L. Abitbol M.D.
04:00-04:20 P.M. Poor Growth in Children with Hypophosphatemic Disorders
Uri S. Alon MD
04:20-04:40 P.M. Role of rHu-GH in CKD and Post Renal Transplantation
John D. Mahan M.D.
04:40-05:00 P.M. Fluid and Electrolyte Requirements in Children with CKD
Carolyn L. Abitbol M.D.
05:00-06:00 P.M. Case Studies and Discussion
06:00-06:20 P.M. Medical Knowledge Competency Assessment
SUNDAY MARCH 9, 2014

07:00-08:00 A.M.  Registration. Continental Breakfast.

SESSION 11:  RESEARCH AND TRAINING INITIATIVES

Moderator: William Schnaper M.D.

08:00-08:20 A.M.  Advances in Research: Impact of Translational Science
       William E. Smoyer M.D.

08:20-08:40 A.M.  Grant Writing: Tips for a Successful Application
       H. William Schnaper M.D.

08:40-09:00 A.M.  Keys to Career Development: Coaching and Mentoring Skills
       John D. Mahan M.D.

SESSION 12:  TRANSPLANT UPDATES 2014

Moderators: Vera Koch M.D./Nelson Orta M.D.

09:00-09:20 A.M.  When to Re-Transplant? Approach to Desensitization
       Guido Filler M.D., Ph.D.

09:20-09:40 A.M.  Role of Eculizumab in Recurrent HUS
       Howard Trachtman M.D.

09:40-10:00 A.M.  Post-Transplant Viral Infections
       Jayanthi Chandar M.D.

10:00-10:20 A.M.  Role of SuPAR in CKD
       Howard Trachtman M.D.

10:20-10:40 A.M.  Steroid Free Protocols
       Richard N. Fine M.D.

10:40-11:00 A.M.  Panel Discussion

11:00-11:20 A.M.  Break. Visit Exhibits

SESSION 13:  DIALYSIS AND CRRT (#)

Moderators: Carolyn Abitbol M.D./Wacharee Seeherunvong M.D.

11:20-11:40 A.M.  Renal Replacement Therapy: Which Modality?
       Carolyn L. Abitbol M.D.

11:40-12:00 P.M.  Which is the Ideal PD Prescription?
       Francisco J. Cano M.D.

12:00-12:20 P.M.  When You Run Out of Vascular Access…Marwan Tabbara M.D.

12:20-12:40 P.M.  Cardiovascular disease in dialysis patients: challenges and opportunities
       Joseph T. Flynn M.D., MS

12:40-01:00 P.M.  CRRT: Indications, Modalities
       Patrick Brophy M.D.

01:00-01:30 P.M.  Panel Discussion

ADJOURN

(#)  A HANDS-ON WORKSHOP FOR LIVE CRRT WILL TAKE PLACE AT HOLTZ
CHILDREN’S HOSPITAL AT THE END OF THE SEMINAR WITH AN ADDITIONAL FEE
FOR DETAILS AND INFORMATION E-MAIL: <pediatricnephrology@med.miami.edu>
GUEST FACULTY

* Uri S. Alon M.D Professor of Pediatrics and Director of Research and Education, Section of Nephrology, Children's Mercy Hospital and Clinics, University of Missouri , Kansas City, MO
* Melvin Bonilla-Felix M.D. Professor of Pediatrics. Director of Pediatric Nephrology, University of Puerto Rico, San Juan, Puerto Rico
* Patrick Brophy M.D. Director of Pediatric Nephrology, Children’s Hospital, Iowa City, IA
* Francisco J. Cano M.D. Profesor Titular, Coordinador Dialisis Peritoneal, Unidad de Nefrologia Infantil, Hospital Luis Calvo Mackenna, Director Revista Chilena de Pediatría, Santiago , Chile
* Robert Colvin, M.D. Benjamin Castleman Distinguished Professor of Pathology, Department of Pathology, Massachusetts General Hospital/Harvard Medical School, Boston MA
* Guido Filler M.D., PhD. Professor of Pediatrics, Chair Department of Pediatrics. Children’s Hospital, London Health Science Centre University of Western Ontario, Canada
* Richard N. Fine M.D. Professor of Pediatrics, State University of NY at Stony Brook, NY
* Joseph T. Flynn M.D. , M.S. Professor of Pediatrics, Chief Division of Pediatric Nephrology, University of Washington/Children’s Hospital, Seattle, WA, President American Society of Pediatric Nephrology (ASPN)
* Jyothsna Gattineni, M.D. Assistant Professor of Pediatrics, Division of Nephrology, UT Southwestern Medical Center, Dallas, Texas
* Friedhelm Hildebrandt M.D. Chief Division of Nephrology, Boston Children’s Hospital, Professor of Pediatrics, Harvard Medical School, Boston, Mass
* Frederick J. Kaskel M.D., PhD. Professor of Pediatrics and Director of Pediatric Nephrology, Department of Pediatrics, Children’s Hospital at Montefiore, NY
* Vera Koch, M.D. Professor of Pediatric Nephrology, Instituto da Crianza do Hospital das Clínicas, Universidade de São Paulo, School of Medicine, Brazil. Secretary General ALANEPE
* Helen Liapis, MD, Professor of Pathology & Immunology, Department of Pathology and Immunology, Division of Anatomic Pathology, Washington University School of Medicine St Louis, MO
* John D. Mahan M.D. Professor, Department of Pediatrics, Program Director, Pediatric Residency Program, Program Director, Pediatric Nephrology Fellowship Program, Vice Chair for Education, The Ohio State University COM, Columbus, OH
* Mark Mitsnefes M.D., MS. Professor of Pediatrics, Division of Nephrology and Hypertension, Program Director Clinical Translational Research Center, Cincinnati Children’s Hospital, OH
* Nelson R. Orta M.D. Profesor Titular de Pediatria. Director del Postgrado de Nefrologia Pediatrica, Hospital de Niños , Universidad de Carabobo, Valencia, Venezuela
* William E. Smoyer M.D. Center for Clinical and Translational Research. The Research Institute at Nationwide Children’s Hospital, Columbus, OH
* H. William Schnaper M.D. Professor of Pediatrics; Vice Chairman, Children’s Memorial Medical Center, Feinberg School of Medicine, Northwestern University, Chicago, IL Secretary-Treasurer, ASPN
* Surya Seshan, MD Professor of Pathology, Department of Pathology, The New York Hospital-Cornell Med. Ctr, New York, NY Renal Pathology Course Co-Director
* Sanjeev Sethi, MD, PhD, Professor of Pathology, Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN
* Howard Trachtman MD Professor of Pediatrics, Division of Nephrology, New York University Langone Medical Center, New York, NY
LOCAL FACULTY

*Carolyn L. Abitbol, M.D. Professor of Pediatrics Division of Pediatric Nephrology, Medical Director, Pediatric Dialysis Unit, Co-Director Pediatric Nephrology Seminar  
* Laura Barisoni M.D.  Professor of Pathology, Division Chief, Renal Pathology Service, Department of Pathology, Director Renal Pathology Course  
* Olaf Bodamer M.D., Ph.D.  Professor of Human Genetics, Biochemistry and Molecular Biology, Division of Clinical and Translational Genetics, Dr. John T Macdonald Foundation, Department of Human Genetics  
* Jayanthi Chandar, M.D.  Associate Professor of Clinical Pediatrics, Division of Pediatric Nephrology  
* Christian Faul Ph.D. Assistant Professor of Medicine and Cell Biology. Division of Nephrology and Hypertension.  
* Michael Freundlich, M.D.  Professor of Clinical Pediatrics, Division of Pediatric Nephrology. Co-Director Pediatric Nephrology Seminar  
* María M. Rodríguez M.D. Associate Professor of Pathology, Director of Pediatric Pathology. Department of Pathology  
* José Strauss M.D.  Emeritus Professor, Division of Pediatric Nephrology, Former Chairman Pediatric Nephrology Seminars  
* Marwan Tabbara M.D. Associate Professor of Surgery. Division of Vascular Surgery  
* David B. Thomas M.D.  Professor of Pathology, Department of Pathology, Co-Director Renal Pathology Course  
* Wacharee Seeherunvong, M.D. Assistant Professor of Clinical Pediatrics, Division of Pediatric Nephrology  
* Gastón E. Zilleruelo, M.D.  Professor of Pediatrics, Director, Division of Pediatric Nephrology, Program Director, Pediatric Nephrology Seminar