Nephrotic Syndrome in Pediatric Patients: Clinical Challenges and Evidence-Based Management

Thursday, March 27, 2014

The John G. Rangos Sr. Research Center at Children’s Hospital of Pittsburgh of UPMC

Course Director
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Sponsors
University of Pittsburgh School of Medicine
Center for Continuing Education in the Health Sciences
Division of Pediatric Nephrology
and
Children’s Hospital of Pittsburgh of UPMC
Overview
Although there are several international congresses for basic researchers, there currently is no forum for clinical nephrologists on pediatric nephrotic syndrome (NS) treatment. It is the professional meetings that help to further clinical practice, especially in an area such as NS, which has few large randomized clinical trials comparing treatments or offering population-based conclusions. Without a forum, a large gap develops between the research and the day-to-day care of patients. The result is uneven quality of care, missed opportunities for patients to gain access to “compassionate use” treatments and clinical trials, and families that pursue treatments outside the protections of a clinical trial.

This conference has a concurrent program for General Practitioners, Patients, and Families running from 1:30–6:00 pm.

Who Should Attend
Pediatric and adult nephrologists, nephrology fellows, pediatricians, transplant physicians, pharmacists, general pediatricians, dieticians, nurses, medical students, patients, and families.

Learning Objectives
• Present up-to-date information on the etiology, diagnostic tools, biomarkers, and treatment of nephrotic syndrome.
• Close the gap between research and the day-to-day care of patients with nephrotic syndrome.
• Educate general practitioners and allied professionals about current issues in nephrotic syndrome.
• Educate patients and families about nephrotic syndrome recognition, diagnosis, and treatment.

CME Accreditation and Designation Statement
The University of Pittsburgh School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Pittsburgh School of Medicine designates this live activity for a maximum of 7.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other health care professionals are awarded 0.7 continuing education units (CEU’s) which are equal to 7.2 contact hours.

Special Needs
Participation by all individuals is encouraged. Advance notification of any special needs will help us provide better service. Please notify us of your needs at least two weeks in advance of the program by calling Dr. Swiatecka-Urban at (412) 692-6710.

Agenda - Thursday, March 27, 2014
Location: The John G. Rangos Sr. Research Center Conference Room
7:00 am  Registration and Breakfast
8:00 am  Pediatric Grand Rounds
Biomarker-Guided Personalized Treatment of Proteinuria
Peter Mundel, MD
9:00 am  Break
9:15 am  Changing Patterns of Nephrotic Syndrome in Children:
Historical Perspective from ISKDC to NEPTUNE
Demetrius Ellis, MD
9:45 am  Results of FSGS Clinical Trial and Networking to Improve Outcomes in
Nephrotic Syndrome
Frederick Kaskel, MD, PhD
10:15 am  Advances in Understanding the Pathophysiology of Focal Segmental
Glomerulosclerosis
Lawrence Holzman, MD
10:45 am  Coffee Break
11:00 am  Genetic Causes and New Diagnostic Tools in Nephrotic Syndrome
Abhay Vats, MD
11:30 am  Recurrence of Nephrotic Syndrome in Kidney Allograft
Ron Shapiro, MD
Noon  Long-Term Perspectives on the Outcomes of Monogenic Nephrotic Disorders
Kevin Ho, MD
12:30 pm  Lunch and Meeting with the NephCure Foundation
1:30 pm  Regulation of Renal Sodium Channels by Proteases
Thomas Kleyman, MD
2:00 pm  Mechanisms of Edema Formation in Nephrotic Syndrome
Helbert Rondon, MD
2:30 pm  Nephrotic Syndrome Beyond the Podocyte: Flow-Regulated Albumin
Uptake in the Proximal Tubule
Ora Weisz, PhD
3:05 pm  Podocyte Integrity in Proteinuric Kidney Disease: Gone with the Wnt
Youhua Liu, PhD
3:30 pm  Coffee Break
3:45 pm  The Role of Oxidative Stress in Nephrotic Syndrome
Roderick Tan, MD, PhD
**Agenda - Thursday, March 27, 2014 (continued)**

4:15 pm  Cytoskeletal Organization at Cell-Cell Junctions: Impact on Kidney Development and Function  
Adam Kwiatkowski, PhD

4:45 pm  What Have We Learned from the Animal Models About Human Proteinuria?  
Katy Wack, PhD

5:15 pm  **Keynote Lecture**  
From Neurons to Podocytes: A Calcium Biologist’s Perspective on Nephrotic Syndrome and Emergent Therapies  
Anna Greka, MD, PhD

6:00 pm  Closing Remarks/Conference Adjournment

6:15 pm  Reception

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**Concurrent Sessions for General Practitioners, Patients, and Families (Non-CME)**

Location: The John G. Rangos Sr. Research Center Conference Room

1:30 pm  **Meet with the Nephrologist – ABC of Nephrotic Syndrome: Part I for General and Allied Practitioners**  
Yosuke Miyashita, MD

2:30 pm  **Tissue Diagnosis of Nephrotic Syndrome: The Pathologist’s Perspective**  
Sarangarajan Ranganathan, MD

3:30 pm  **Meet with the Nephrologist – ABC of Nephrotic Syndrome: Part II for Patients and Families**  
Christina Nguyen, MD

4:30 pm  **Meet with the Dietician – Specialized Diet During Relapse of Nephrotic Syndrome**  
Jessica Lieb, RD, LDN

5:00 pm  **Meet with The NephFure Foundation – Resources for Patients and Families**

6:00 pm  Conference Adjournment

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**Conference attendees are also invited to attend the Visiting Professor Lecture**

**Mechanisms Integrating Podocyte Junctional Integrity and Cytoskeletal Dynamics**  
Presented by: Lawrence Holzman, MD

**Friday, March 28, 2014 • Noon - 1:00 pm**
Location: UPMC Presbyterian, Nephrology Conference Center  
There is no CME for this lecture.
Registration Information

There is no cost to register, but you must register in advance at UPMC.com/CourseRegistration.

Registration Fees

There are no fees for registration, but pre-registration is required.

Registration Includes:

- Continuing education credit (no credit awarded for Concurrent Sessions for General Practitioners, Patients, and Families or Visiting Professor Lecture).
- Continental breakfast, refreshments, reception, and Visiting Professor Lecture.

Pre-register

Please register in advance, but on-site registration will be available if needed.

Online Registration (pre-registration due March 1, 2014)

Registering online is the quickest and easiest way to reserve your space at CCEHS conferences.

- Visit our online registration site: UPMC.com/CourseRegistration.
- Click the Registration button and enter all requested information.
- After registering, an electronic confirmation will be sent to the email address you provided.

Paper Registrations by Fax or Mail (see contact information below)

If you are unable to register online, please submit a request for a paper form. A confirmation letter will be returned via the method registration was sent if completed by mail, fax, or email before the registration deadline. If you register online, you will receive an immediate email confirmation message. Please note: registration is not complete until you receive this confirmation. If you do not receive this letter within 5-7 days of registration, please contact us at (412) 647-8232.

You must bring this confirmation with you to the conference.

For More Information Contact:

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To Register Online Visit:

UPMC.com/CourseRegistration