## Lawson Wilkins Pediatric Endocrine Society

### LWPES
Lawson Wilkins Pediatric Endocrine Society

### May 4–7, 2007
Metro Toronto Convention Centre and Fairmont Royal York Hotel

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<td><strong>LWPES/PAS Mini Course</strong></td>
<td><strong>LWPES/PAS Mini Course</strong></td>
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<tr>
<td><strong>How IUGR and Macrosomia Produce Later Life Obesity, Insulin Resistance and Type 2 Diabetes, Despite Different Beginning Phenotypes</strong></td>
<td><strong>The Early Programming of Adult Disease</strong></td>
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<td><strong>1:00pm – 3:30pm</strong></td>
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<td><strong>LWPES Workshop</strong></td>
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<td><strong>Controversies in Pediatric Endocrinology Debates</strong></td>
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<td><strong>ASPN/LWPES/PAS Mini Course</strong></td>
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<td><strong>Diagnosis and Treatment of Bone Disorders in Childhood and Adolescence</strong></td>
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<td><strong>5:15pm–7:15pm</strong></td>
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<td><strong>LWPES/PAS Posters I, Exhibits and PAS Opening Reception</strong></td>
<td><strong>Endocrinology</strong></td>
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Additional PAS Programming of Interest can be found beginning on Page <<>>.
Join us in Toronto, where the Lawson Wilkins Pediatric Endocrine Society (LWPES) and the Pediatric Academic Societies (PAS) will host tightly aligned annual meetings. The entire LWPES program including the plenary, mini symposia, business meeting, presentations by award winners, fellows’ seminar and original science will be held at the Metro Toronto Convention Centre. The Fairmont Royal York will serve as the LWPES headquarter hotel and will host board meetings, committees and social activities.

**Registration Information**
There will be a single registration fee for the LWPES/PAS meeting set at the PAS registration fee schedule. This registration fee allows participation in all PAS and alliance functions.

**Continuing Education**
Continuing Education is through the PAS. See page 3 for complete information.

The Lawson Wilkins Pediatric Endocrine Society thanks the members of the Corporate Advisory Board for their Support

*Sponsors to follow leave 12 lines for room*

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**Friday, May 4**

6:00pm–9:00pm

4700A  **LWPES President’s Poster Session & Reception**

Fairmont Royal York, Canadian

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**Saturday, May 5**

8:00am–1:00pm

5280A  **LWPES Plenary Session I**

TCC, Room 105

Target Audience: Scientists and clinicians interested in state of the art research (clinical and basic) in pediatric endocrinology, diabetes mellitus and related disciplines.

Objectives:
- Appreciate the historical and ethical considerations in the clinical management of children with disorders in sex differentiation or short stature
- Understand traditional and non-traditional biological functions of GH
- Understand the recent developments in the molecular and cellular physiology of pituitary development that impact the clinical management of children with pituitary disorders

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Lawson Wilkins Pediatric Endocrine Society

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Chairs: Kenneth C. Copeland, The University of Oklahoma Health Sciences Center College of Medicine, Oklahoma City, OK; and Ram K. Menon, University of Michigan, Ann Arbor, MI

8:00  **LAWSON WILKINS LECTURE—ETHICAL AND HISTORICAL CONSIDERATIONS IN TREATING CHILDREN WITH DISORDERS OF SEX DEVELOPMENT AND IDIOPATHIC SHORT STATURE**

Alice Dreger, Feinberg School of Medicine, Northwestern University, Chicago, IL

9:00  **ROBERT BLIZZARD LECTURE—GROWTH HORMONE: FOR GROWTH AND FOR LIFE**

Jens Sandahl Christiansen, Aarhus University Hospital, Aarhus, Denmark

10:00  **ESOTERIC LECTURE—PITUITARY DEVELOPMENT AND DIFFERENTIAL DISEASE DIAGNOSIS: RULES OF TRANSCRIPTION FACTORS AND SIGNALING PATHWAYS**

Sally Camper, University of Michigan, Ann Arbor, MI

10:15  **THE IUGR AND MACROSOMIA PHENOTYPES AND HOW THEY CHANGE OVER THE LIFE SPAN**

Bill Hay, University of Colorado Health Sciences Center, Aurora, CO

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**Sponsors to follow leave 12 lines for room**

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Objectives:
- Understand how epidemiology can be used as a tool to identify predictors of adult disease
- Appreciate the value of GH testing in the diagnosis of GH deficiency
- Elucidate the benefits and risks of bisphosphonate treatment of children with diminished bone mineral density

Chairs: Mitchell Geffner, Saban Research Institute of Children’s Hospital of Los Angeles, Los Angeles, CA; and Clifford A. Bloch, University of Colorado School of Medicine, Greenwood Village, CO

In this session, three current areas of controversy in pediatric endocrinology will be debated by respective experts in these fields. These include: (1) use of the new growth-promoting therapy, recombinant IGF-I, to augment height in children with idiopathic short stature; (2) performance of traditional pharmacological growth hormone stimulation tests as a means to diagnose childhood growth hormone deficiency; and (3) appropriateness of bisphosphonate therapy to treat childhood osteoporosis.

The Early Programming of Adult Disease

Target Audience: Neonatologists, endocrinologists, gastroenterologists and general pediatricians.

Objectives:
- Understand new mechanisms of trans-generational transmission of disease
- Understand the impact of growth patterns in early life on adult disease
- Understand possible mechanisms for prevention of chronic illness by targeting early window in development
- Understand how epidemiology can be used as a tool to identify predictors of adult disease

Chairs: Edward R.B. McCabe, Mattell Children’s Hospital at UCLA, Los Angeles, CA; and Josephine Z. Kasa-Vubu, University of Michigan, Ann Arbor, MI

During recent years it has become commonly accepted that variation in intrauterine growth has a substantial effect on the risk of common adult disorders, such as coronary heart disease, stroke and type 2 diabetes. Moreover, recent observations from epidemiological and animal studies suggest that postnatal growth, in particular during infancy, may have an equally important role in modifying the frames of adult health. In addition, Epigenetics is the study of heritable changes in gene function that occur without a change in the DNA sequence and encompasses processes that cannot be accounted for by the simple genetic code. This relatively new concept has changed our understanding of transgenerational transmission of disease because it does not involve changes in the DNA structure. This is important for pediatricians because, as compared with the fetal period, infancy is much more accessible to possible interventions. This symposium provides an update on recent findings from epidemiological and animal studies, aiming at answering the questions if, when, and how we could plan interventions in childhood to prevent adult disease.

1:00 Introduction
Josephine Z. Kasa-Vubu, University of Michigan, Ann Arbor, MI

1:05 Early Growth and Epigenetic Processes in Risk of Adult Disease
Mark Hanson, University of Southampton, Southampton, UK

1:35 Childhood Growth and Adult Disease—Lessons from Birth Cohort Studies
Eero Kajantie, Hospital for Children and Adolescents, National Public Institute, Helsinki, Finland

2:05 Nutritional Epigenomics of Metabolic Syndrome—New Perspective Against the Epidemic
Claudine Junien, Institut National de la Santé et de la Recherche Médicale UR 781 Hopital Necker-Enfants Malades, Paris, France

2:35 Discussion
Sponsored jointly by the Lawson Wilkins Pediatric Endocrine Society; North American Society for Pediatric Gastroenterology, Hepatology and Nutrition; and the Pediatric Academic Societies
Supported by an unrestricted educational grant from the International Pediatric Research Foundation
3:15  A Novel Central Mechanism in Renal Osteodystrophy  
Robert H.K. Mak, Oregon Health and Science University, Portland, OR

3:45  New Insights into the Pathogenesis of X-linked Hypophosphatemic Rickets (XLH)  
Michel G. Baum, University of Texas Southwest Medical Center at Dallas, Dallas, TX

4:15  Measurement of Bone Mass in Children and Adolescents  
Laura K. Bachrach, Stanford University Medical Center, Stanford, CA

4:45  Management of Osteoporosis in Childhood and Adolescence  
Leanne Marie Ward, Children’s Hospital of Eastern Ontario, University of Ottawa, Ottawa, Ontario, Canada

Sponsored jointly by the American Society of Pediatric Nephrology, Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

4:00pm–7:30pm  
Commercial Exhibits Open and Posters Available for Viewing  
TCC, Exhibit Hall E

Posters Available for Viewing: 4:00pm–7:30pm  
Author Attendance and Opening Reception: 5:15pm–7:15pm  
Refer to PAS Daily Programming pages for session content.

Course #  Topics  
5875  Genetic Metabolic Disease  136–141  
5876  Steroidogenesis  142–148  
5877  Obesity Metabolism Syndrome  149–164  
5879  Diabetes Mellitus & Metabolism (Basic)  176–189

Sunday, May 6

PAS Meet the Professor  
Breakfast Session

The purpose of these sessions is to provide trainees and junior faculty the opportunity to meet with senior academic physicians who can provide insights in their field and provide career guidance in a small interactive group. Attendance at each session is limited and available on a first-come, first-served basis to maintain an intimate interactive format.

* Of special interest to trainees and junior faculty

7:00am–8:00am  
6008 Endocrinology  
PAS Meet the Professor ~ Intercontinental, Caledon

Building an Academic Career Around Clinical Research

This session is designed to provide trainees and junior faculty with a perspective on how a pediatrician can build an academic career based on clinical research. Physician scientists are in a unique position to combine science and clinical care. This session will describe the process of career development, focusing on training, identifying and investigating clinical problems, obtaining funding, and building mentoring networks.

Antoinette Moran  
Professor and Division Chief, Pediatric Endocrinology and Diabetes, University of Minnesota Children’s Hospital, Minneapolis, Minnesota

7:45am–9:00am  
6020A LWPES Business Meeting  
TCC, Room 105

9:00am–11:45am  
6205A LWPES Presidential Lecture and Plenary Session II: Endocrinology/Diabetes Awards  
TCC, Room 105

Target Audience: Scientists and clinicians interested in state-of-the-art research (clinical and basic) in pediatric endocrinology, diabetes mellitus and related disciplines.

Objective: Appreciate and understand advances in clinical and basic science research related to pediatric endocrinology and diabetes

Chair: Alan D. Rogol, University of Virginia, Charlottesville, VA

9:00  LWPES Presidential Lecture—35 Years: Our Heritage and Our Destiny  
Kenneth C. Copeland, The University of Oklahoma Health Sciences Center College of Medicine, Oklahoma City, OK

Chairs: Alan D. Rogol, University of Virginia, Charlottesville, VA; and Kenneth C. Copeland, The University of Oklahoma Health Sciences Center College of Medicine, Oklahoma City, OK

10:00  LWPES Judson J. Van Wyk, M.D. Prize for Career Achievement in Pediatric Endocrinology*  
Robert M. Blizzard, University of Virginia, The Blake Center, Charlottesville, VA

*Supported by Novo Nordisk

Chairs: Mary M. Lee, University of Massachusetts Medical School, Worcester, MA; and Andrea M. Haqq, Duke University Medical Center, Durham, NC

Current recipients of various LWPES Scholar Awards will present a synopsis of their activities and research supported by these awards.

10:20  Glucose Tolerance and Insulin Resistance in Obese Siblings of Children with Type 2 Diabetes—LWPES Genentech Clinical Scholar Award  
Sheela Magge, Children’s Hospital of Philadelphia, Philadelphia, PA

11:00  Congenital Hyperinsulinism: Molecular Mechanisms and Diagnoses—LWPES Lilly Fellowship Award  
Olga T. Hardy, Children’s Hospital of Philadelphia, Philadelphia, PA

11:20  Developing a Novel Animal Model for Cystic Fibrosis Related Diabetes—LWPES Pharmacia/Pfizer Fellowship Award  
Michael S. Stalvey, University of Florida College of Medicine, Gainesville, FL

11:40  Deconvoluting the Metabolic Syndrome: The Role of Hepatic Insulin Resistance—LWPES Novo Nordisk Clinical Scholars Award  
Sudha Biddinger, Joslin Diabetes Center, Boston, MA

11:00am–3:00pm  
Commercial Exhibits Open and Posters Available for Viewing  
TCC, Exhibit Hall E

Posters Available for Viewing: 11:00am–3:00pm  
Author Attendance: 12:00pm–2:00

Refer to PAS Daily Programming pages for session content.

Course #  Topics  
6303  Diabetes Mellitus & Metabolism Clinical  299–309

6304  Obesity & Metabolism Syndrome  309–323

6305  Growths  324–343

www.pas-meeting.org  245
Target Audience: General pediatricians, pediatric endocrinologists and nephrologists.

Objectives:
- Understand recent advances in the pathophysiology and management of a child with non-alcoholic steatohepatitis
- Understand recent advances in the pathophysiology and management of hypertension and kidney disease associated with obesity and T2DM in children and adolescents
- Familiarize themselves with recent advances and emerging therapies and strategies to prevent morbidity associated with T2DM

Chairs: Philip S. Zeitler, University of Colorado at Denver, Denver, CO; and John N. Udall, West Virginia University, Charleston, WV

The childhood obesity epidemic and the associated increase in pediatric T2DM is being manifested in children and adolescents as target-organ damage including liver disease, hypertension, and renal disease. This symposium will focus on the pathophysiology, prevention and management of target-organ effects of T2DM.

2:00 Childhood Non-alcoholic Steatohepatitis (NASH/NAFLD)
Joel E. Lavine, University of California, San Diego, San Diego, CA

2:40 Early Manifestations of Hypertension and Nephropathy in Adolescents with T2DM
Joseph T. Flynn, Children’s Hospital at Montefiore, Bronx, NY

3:15 Incretin-Based Therapies for the Treatment of Type 2 Diabetes
Laurie Baggio, Samuel Lunenfeld Research Institute, Mt. Sinai Hospital, Toronto, Ontario, Canada

Sponsored jointly by the International Pediatric Hypertension Association; Lawson Wilkins Pediatric Endocrine Society; North American Society for Pediatric Gastroenterology, Hepatology and Nutrition; and the Pediatric Academic Societies

2:00pm–4:00pm
6515A Challenges in the Management of Disorders of Calcium and Phosphorus in the Neonate/Infant
LWPES Workshop ~ TCC, Room 705

Target Audience: Pediatric endocrinologists and clinicians involved with care of neonates and infants.

Objectives:
- Appreciate the challenges faced by the clinician in diagnosing and managing a neonate with disorder of calcium/phosphate homeostasis
- Understand the latest developments regarding the cellular and molecular basis of disorders of calcium/phosphate homeostasis in the neonate
- Understand the rationale for diagnosing and managing various disorders of calcium/phosphate homeostasis in the neonate

Chair: Michael A. Levine, Children’s Hospital, The Cleveland Clinic, Cleveland, OH

In this two-hour session, Dr. Levine will lead a discussion focused on the unique challenges faced by clinicians taking care of neonates presenting with disorders of calcium/phosphorus homeostasis. Dr. Levine will discuss the latest developments in the molecular and cellular basis of these disorders and the impact of such information on the management of these patients.

What’s New in the Growth Plate: Rickets and Mineralization
Rachel Gafni, University of Maryland School of Medicine, Baltimore, MD

What’s New in Hypophosphatemic Rickets: Beyond XLH
Murat Bastep, Massachusetts General Hospital, Harvard Medical School, Boston, MA

2:00pm–4:00pm
6516A Diabetes Insipidus in Neonates
LWPES Workshop ~ TCC, Room 715B

Target Audience: Clinicians involved with care of neonates and infants with diabetes insipidus.

Objective:
- Understand the rationale and practice of various strategies to manage diabetes insipidus in the neonate

Chairs: Scott A. Rivkees, Yale University School of Medicine, New Haven, CT; and Joseph A. Majzoub, Children’s Hospital Boston, Boston, MA

In this session the two experts will discuss the unique challenges faced by a clinician in the management of diabetes insipidus in a neonate. The speakers will discuss the scientific rationale and practical implementation of the various regimens and strategies that can be used to manage diabetes insipidus in the neonate.

2:00pm–4:00pm
6517A Dollars and Centimeters: The Business of Pediatric Endocrinology
LWPES Workshop ~ TCC, Room 707

Target Audience: Clinicians involved in the practice of pediatric endocrinology.

Objectives:
- Appreciate measures that increase efficiency and income generation in pediatric endocrine practice
- Understand the process for negotiating and implementing clinical trials contracts in pediatric endocrinology
- Appreciate the impact and role of electronic medical record (EMR) in the practice of pediatric endocrinology
- Understand the financial risks and benefits of introducing an EMR in a pediatric endocrinology practice

Chair: Paul S. Thornton, Cook Children’s Medical Center, Fort Worth, TX

This session will discuss issues related to financial aspects of the practice of pediatric endocrinology in both private practice and hospital based/academic settings. The impact of new technologies (e.g. EMR, electronic medical record) and new opportunities (clinical trials) in the practice of pediatric endocrinology will be discussed. In this session three areas of direct relevance to the practice of pediatric endocrinology will be discussed.

Overview
Paul S. Thornton, Cook Children’s Medical Center, Fort Worth, TX

The Role of IGFs (Income Generation Factors) in Pediatric Endocrine Practice
Paul S. Thornton, Cook Children’s Medical Center, Fort Worth, TX

Negotiating a Clinical Trials Contact—The Physician Perspective
Lawrence A. Silverman, Goryeb Children’s Hospital, Atlantic Health System, Morristown, NJ

Negotiating a Clinical Trials Contact—The Industry Perspective
George M. Bright, Tercica, Inc., South San Francisco, CA

Cost-benefit Analysis of Implementing an EMR into a Pediatric Endocrinology Practice
Dennis Brenner, Baystate Children’s Hospital, Tufts University School of Medicine, Springfield, MA
4:15 Overview of Evidence-based Understanding of Eating Disorders
Richard E. Kreipe, University of Rochester School of Medicine, Golisano Children's Hospital at Strong University, Rochester, NY

4:50 Bone Health and Eating Disorders: Update on Assessment and Management
Madhusmita Misra, Massachusetts General Hospital, Boston, MA

5:25 The Role of Family and Family Therapy in Eating Disorders
James Lock, Stanford University School of Medicine and Lucile Salter Packard Children's Hospital at Stanford, Stanford, CA

6:00 Panel Discussion
Sponsored jointly by the Lawson Wilkins Pediatric Endocrine Society, Society for Adolescent Medicine and the Pediatric Academic Societies

Monday, May 7

8:00am–10:00am

7100 Balancing Regulation with the Need for Research in Children
PAS/LWPES State of the Art Plenary ~ TCC, Room 718B

Target Audience: General pediatricians and clinical researchers in all pediatric subspecialties.

Objectives:
– Understand the regulatory definition of minimal risk
– Understand the regulatory barriers to clinical research in children and what may be done to alleviate them

Chair: Robert L. Rosenfield, University of Chicago, Chicago, IL

In spite of a mandate for the inclusion of children in federally funded research, the current regulatory environment, designed to protect children, imposes barriers to pediatric research that contribute to the disaffection of a generation of academic pediatricians from undertaking high-quality clinical research.

This panel brings together experts in diverse fields of pediatrics, ethics and regulatory compliance to discuss measures and strategies that could be adopted to alleviate this problem. Concrete examples of problems with questions will be addressed, such as: how might standardized interpretation of minor risk be generated to form a web-based registry of protocols defined as minor risk; how might the system permit precedents to be set for procedures in protocols that are approved after CFR 407/50.54 review; might screening advisory panels be possible to implement the process; how might redundancy of scientific and ethics reviews be eliminated?

This session will be formatted as a panel discussion.

Bernard A. Schwetz, Office for Human Research Protection, Department of Health and Human Services, Rockville, MD

Robert Meland Nelson, FDA Office of Pediatric Therapeutics, Rockville, MD and The Children's Hospital of Philadelphia and the University of Pennsylvania, Philadelphia PA

Norman Fost, University of Wisconsin Medical School, Madison, WI; Chair, Pediatric Ethics Subcommittee of FDA Pediatric Drug Advisory Committee

Robert A. Ballard, University of California, San Francisco, San Francisco, CA

Robert L. Rosenfield, University of Chicago, Chicago, IL; President-Elect, Lawson Wilkins Pediatric Endocrine Society

Fifteen minutes will be left for open discussion of questions from the audience. Questions for consideration are encouraged in advance by email to robros@pedsbsd.uchicago.edu.

Sponsored jointly by the Lawson Wilkins Pediatric Academic Society and the Pediatric Academic Societies
Target Audience: Pediatric generalists, nephrologists, endocrinologists, geneticists, cardiologists and gastroenterologists.

Objectives:
- Understand molecular etiology and pathophysiology of congenital lipodystrophies and dyslipidemia of chronic renal failure
- Understand clinical management of congenital lipodystrophies and dyslipidemia of chronic renal failure

Chairs: Susan Furth, Johns Hopkins University, Baltimore, MD; and Holley Allen, Baystate Medical Center Children’s Hospital, Springfield, MA

Dyslipidemia imparts a substantial risk for CV disease in children. The chance for adverse CV outcomes is higher in children with co-morbidities such as chronic renal disease. New adult guidelines have recently lowered the threshold for the treatment of dyslipidemia in adults. However, childhood guidelines have not been revised for over a decade. This symposium will discuss recent advances in our understanding of the molecular etiology, pathophysiology and clinical management of congenital lipodystrophies and dyslipidemia of chronic renal failure. This forum will also facilitate a discussion regarding the scientific basis and practical implications of adopting new guidelines for treatment of dyslipidemia in children.

8:00  Classification, Genetics and Clinical Spectrum
Robert A. Hegele, Robarts Research Institute, University of Western Ontario, London, Ontario, Canada

8:30  New Therapies for Lipodystrophy Syndromes: Lessons to Learn for More Common Conditions
Elif Oral, University of Michigan Medical School, Ann Arbor, MI

9:00  Dyslipidemia of Chronic Renal Failure
Jeffrey M. Saland, Mount Sinai Medical Center, New York, NY

9:30  Updated Recommendations on Treatment of Dyslipidemia in Children – New Guidelines from the AHA
Brian W. McCrindle, The Hospital for Sick Children, Toronto, Ontario, Canada

Sponsored jointly by the American Society of Pediatric Nephrology; International Pediatric Hypertension Association; Lawson Wilkins Pediatric Endocrine Society; North American Society for Pediatric Gastroenterology, Hepatology and Nutrition; and the Pediatric Academic Societies

10:15  Introduction
Josephine Z. Kasa-Vubu, University of Michigan, Ann Arbor, MI

10:20  Non-exercise Activity Thermogenesis: The Crouching Tiger, Hidden Dragon of Societal Weight Gain
James Levine, Mayo Clinic, Rochester, MN

10:50  Individual Differences in Physical Activity and Weight—The Model of the Rhesus Monkey
Judy Cameron, Oregon Health and Science University, Portland, OR

11:20  Fitness Assessment and Weight Control in Youth—A Focus on Ethnicity
Michael I. Goran, University of Southern California, Los Angeles, CA

11:50  Discussion

Sponsored jointly by the Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

10:15am–12:15pm
7340  Endocrinology & Diabetes—Basic Research Platform Session I
TCC, Room 718A

Refer to PAS Daily Programming pages for session content.

1:00pm–3:00pm
7315  Endocrinology and Diabetes—Clinical Research Platform Session II
TCC, Room 718A

Refer to PAS Daily Programming pages for session content.

3:00pm–6:45pm
Commercial Exhibits Open and Posters Available for Viewing
TCC, Exhibit Hall E

Posters Available for Viewing: 3:00pm–6:45pm
Author Attendance: 5:15pm–6:45pm

Refer to PAS Daily Programming pages for session content.

Course #  Topics  Board #
7914  Puberty  212–224
7915  Diabetes Mellitus & Metabolism  225–234
7916  Bone & Vitamin D  235–248
7917  Thyroid  249–260
7934  Neonatal Outcomes & Follow-up  444–474

3:15pm–5:15pm
7865  New/Emerging Therapies for T1DM—Drugs, Devices and Delivery
PAS/LWPES Topic Symposium ~ TCC, Room 718A

Target Audience: General pediatricians, pediatric endocrinologists and nephrologists.

Objectives:
- Understand recent advances in the management of a child with diabetes mellitus
- Appreciate the indications and advantages of newer insulin analogs
- Be cognizant of the ongoing trials for preservation of beta cell function in patients with T1DM
- Familiarize themselves with the state of the art techniques for home glucose monitoring
Lawson Wilkins Pediatric Endocrine Society

Chairs: Margaret Lawson, Children’s Hospital of Eastern Ontario, Ottawa, Ontario, Canada; and Henry Rodriguez, Indiana University School of Medicine, Riley Hospital for Children, Indianapolis, IN

Advances in basic and applied immunology, pharmacotherapeutics with the advent of “designer” insulins, and bioengineering have revolutionized the care of a child with T1DM. This symposium will discuss the risks/benefits of these newer modalities of treatment and analyze the impact of these advances on the clinical care of a child with T1DM.

3:15 Preservation of Beta Cell Function in T1DM
Kevan Herold, Yale School of Medicine, New Haven, CT

3:55 Devices for Monitoring and Drug Delivery
Stuart A. Weinzimer, Yale School of Medicine, New Haven, CT

4:35 Newer Insulins
Jay S. Skyler, University of Miami School of Medicine, Miami, FL

Sponsored jointly by the Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

Additional Programs of Interest

9:00am—1:00pm
5288 Obesity I: General Trends, Prenatal and Early Predictors
PAS Platform Session ~ TCC, Room 205D

Refer to PAS Daily Programming pages for session content.

12:00pm—3:00pm
5463 Transgender Youth: The Role of the Pediatrician and Pediatric Endocrinologist
PAS Workshop ~ TCC, Room 706

Target Audience: Students, residents, pediatric endocrinology fellows, pediatric endocrinology faculty, general pediatrics, adolescent medicine specialists interested in understanding how to care for transgendered youth.

Objectives:
- Learn how healthy psychosocial development in children and adolescents melds with transgender emergence
- Understand how physicians, mental health therapists, families, and schools can cooperate to provide for the needs of transgendered youth
- Learn the options for hormonal therapy and the varying recommendations for age of initiation of hormonal therapy

Leader: Irene Sills; Co-leaders: Norman Spack, Arlene Lev

This workshop is a continuation of last year’s workshop on gender-variant youth. We will review gender identity development and healthy transgender emergence. Skills and knowledge needed by primary care doctors will be reviewed. More in-depth education about the following will be provided: 1) Developmental issues specific to the adolescent; 2) The type of mental health evaluation physicians should receive prior to initiating hormonal therapy and the importance of consultation between the mental health therapist and physician; 3) The family and school dilemmas; 4) A review of reversible, partially reversible, and irreversible therapies and their potential side effects; 5) A consideration of the best age to commence hormone therapy; 6) The optimal informed consent to use for medical treatment; 7) Case discussions, role playing, and viewing of videotapes will aid with learning and understanding.

3:15pm—5:15pm
5715 Genetics / Inborn Errors of Metabolism
PAS Platform Session ~ TCC, Room 716B

Refer to PAS Daily Programming pages for session content.

3:15pm—5:15pm
5740 Neonatal Fetal Nutrition & Metabolism I
PAS Poster Symposium ~ TCC, Room 801B

Refer to PAS Daily Programming pages for session content.

8:00am—10:00am
6035 Pediatric Subspecialty Fellows as Teachers—Design and Implementation of an Effective Curriculum
PAS/APPD Mini Course ~ TCC, Room 715B

Target Audience: Attendees involved with fellowship programs.

Objectives:
- List topics that can be covered in a teaching program designed for fellows
- Discuss potential implementation plans at their own institution, using examples provided in the mini-course

Chair: Joseph O. Lopreiato, Uniformed Services University of the Health Sciences, Bethesda, MD

Pediatric Subspecialty Fellowships have a new set of requirements from the ACGME. Among those requirements are specific expectations for fellow education in their role as educators. Fellowship curricula must lead to an understanding of the principles of adult learning, provide skills to allow fellows to participate effectively in curriculum development, delivery of information, provision of feedback to learners, and assessment of educational outcomes. This is a new concept in specialty fellowship education and there are several innovative programs that have years of experience with this, and others with more recent efforts. Fellowship programs with experience in this arena will share their knowledge, materials and experience with attendees in an open and interactive manner. Attendees will leave with information that will allow them to adapt rather than recreate similar formats in their home programs.

8:00  Introduction
Joseph O. Lopreiato, Uniformed Services University of the Health Sciences, Bethesda, MD

8:05  Uniformed Services Fellows as Teachers Program
Joseph O. Lopreiato, Uniformed Services University of the Health Sciences, Bethesda, MD

9:05  Johns Hopkins General Pediatrics Fellows as Teachers Program
Janet R. Serwint, Johns Hopkins University School of Medicine, Baltimore, MD

Sponsored jointly by the Association of Pediatric Program Directors, Council on Pediatric Subspecialties and the Pediatric Academic Societies

8:00am—10:00am
6065 Developmental Interventions and Adult Disease
PAS Platform Session ~ TCC, Room 703

Refer to PAS Daily Programming pages for session content.
10:15am–12:00pm
6225 APS Presidential Plenary and Awards
TCC, Hall F

10:40 New Member Outstanding Science Award – Unraveling the Function of IGFBPs
Pinchas Cohen, Professor and Chief of Endocrinology, Mattel Children’s Hospital at UCLA, David Geffen School of Medicine at UCLA, Los Angeles, CA

2:00pm–4:00pm
6405 Pediatric Fellowships—Assessing and Documenting Scholarship and Clinical Competency
PAS/APPD Mini Course ~ TCC, Room 716B

Target Audience: All attendees involved with fellowship programs.

Objectives:
- Coordinate curriculum and assessment methods among multiple subspecialty fellowship programs at their home institution
- Document and assess the scholarly activity of subspecialty residents/fellows
- Document and assess the competency of subspecialty residents/fellows

Chairs: Susan Guralnick, Stony Brook University Medical Center, Stony Brook, NY; and Joseph Gilhooly, Oregon Health & Science University, Portland, OR

Competency-based education is now the standard for both residency and fellowship education. Residency programs have integrated the ACGME Core Competencies into their curricula and assessment methods. Fellowships are now required to function within the “competency” arena, and there is still much to be accomplished, especially in the areas of assessment and documentation. This program will focus on several areas of fellowship education including Competency-based Assessment Tools, Research/Scholarship and the Scholarship Oversight Committee, Educational Portfolios, and Individualized Learning Plans. Attendees are encouraged to bring tools and ideas for discussion and development. Participants should leave with useful materials to bring back to their home programs.

2:00 Introduction
Susan Guralnick, Stony Brook University Medical Center, Stony Brook, NY
Joseph Gilhooly, Oregon Health & Science University, Portland, OR

2:05 The Fellowship Education Committee
Susan Guralnick, Stony Brook University Medical Center, Stony Brook, NY

2:10 Competency-based Assessment Tools
John D. Mahan, Children’s Hospital, The Ohio State University, Columbus, OH

2:40 Research, Scholarship and the Scholarship Oversight Committee
Joseph Gilhooly, Oregon Health & Science University, Portland, OR

3:10 Promoting Lifelong Learning—Individualized Learning Plans and Pedialink
Cynthia Lynn Ferrell, Oregon Health & Science University, Portland, OR

3:40 Discussion

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Visit the Lawson Wilkins Pediatric Endocrine Society at www.lwpes.org

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Please visit the LWPES Exhibitors in the Exhibit Hall

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