# Pediatric Endocrine Society

## FRIDAY, MAY 2
- **7:00pm - 9:00pm**
  - PES President’s Poster Reception

## SATURDAY, MAY 3
- **7:00am - 8:00am**
  - PES Meet the Professor
    - Precocious Puberty
- **8:00am - 11:00am**
  - PES Plenary Session I
    - Business Meeting
    - Clinical Science Awardee Presentation
    - Lawson Wilkins Lecture
- **1:15pm - 2:30pm**
  - Poster Session I & PAS Opening Reception
    - Endocrinology Posters I
- **2:45pm - 4:45pm**
  - Invited Science
    - Adrenarche: An Update on Physiology and Pathologic Considerations (cosponsor SAHM)
    - Ethics in the Conduct of Clinical/Basic Research
- **5:00pm - 6:30pm**
  - PAS/ASPR Opening General Session
    - Keynote Address
    - Joseph St. Gène Leadership Award

## SUNDAY, MAY 4
- **7:00am - 8:00am**
  - PES Workshop
    - Transitioning from Fellowship to Dollars and Sense
    - Practice Management: “Challenges to Traditional Management of Pediatric Endocrinology – Session 1”
- **8:00am - 10:00am**
  - PES Ethics Symposium: Manipulation of the Sex Steroid Milieu to Alter Height in Adolescence: Show Us the Data
- **10:10am - 11:50am**
  - APS Presidential Plenary and Awards
- **10:30am - 12:30pm**
  - Original Science Abstracts
    - Endocrinology I: Clinical
- **12:30pm - 4:00pm**
  - AAP Presidential Plenary and Annual Silverman Lecture
- **1:00pm - 3:00pm**
  - Invited Science
    - New Concepts in Beta Cell Biology
    - Pediatric Bone Disease – Beyond the Bone Bones
- **3:30pm - 5:30pm**
  - Invited Science
    - The Challenges of Adherence in Adolescents with Chronic Medical Disease
    - Adrenal Function in the Preterm and Sick Term Neonate: Reliability of Assessment and Effects of Treatment
- **5:45pm - 7:30pm**
  - Poster Session II

## MONDAY, MAY 5
- **7:00am - 8:00am**
  - PES Workshop
    - D and T Committee Update: Vitamin D Toxicity and Use of HbA1c for Diagnosis of Diabetes
- **8:00am - 10:00am**
  - PPC Legislative Breakfast
    - Going Global: Implications of Non-Governmental Efforts in Pediatric Research Funding
- **10:30am - 12:30pm**
  - PES Presidential Lecture and Plenary Session II
    - Presidential Lecture
    - Van Wyk Award
    - Blizzard Lecture
- **1:00pm - 3:00pm**
  - March of Dimes Prize in Developmental Biology Lectures
    - Beans and Bones: FGF-23 in Metabolic Bone Disease
    - Original Science Abstracts
      - Endocrinology II: Clinical
- **3:30pm - 5:30pm**
  - Invited Science
    - Advances in Recognition and Management of Multiple Endocrine Neoplasia
    - Stimulants, Steroids and Sweat Chlorides: Statural Growth in 3 Common Pediatric Conditions
- **5:45pm - 7:30pm**
  - Poster Session III
    - Endocrinology Posters II
Join us in Vancouver, where the Pediatric Endocrine Society (PES) and the Pediatric Academic Societies (PAS) will host tightly aligned annual meetings. PES programming will be held at the Vancouver Convention Centre and includes the plenary, mini symposia, business meeting, presentations by award winners, fellows’ seminar, and original science presentations.

Registration Information
There will be a single registration fee for the PES/PAS meeting set at the PAS registration fee schedule. This fee allows participants to attend all PES and PAS functions.

Continuing Education
Continuing Education Credit is available through the PAS. See page 385 for complete information.

Friday, May 2
7:00pm-9:00pm
0575A  PES President’s Poster Reception
Sheraton Vancouver Wall Centre - Grand Ballroom A/B + Passage

Saturday, May 3
7:00am-8:00am
1050A  Practice Management: Challenges to Traditional Management of Pediatric Endocrinology – Session 1
PES Practice Workshop
Vancouver Convention Centre - West 223-224
Impact of change on Academic Health Centers (AHCs), Clinical centers (CCs), and Private Practice (PP).
William B. Zipf MD. The efforts to control cost of medical care by government and private payers will have an impact on the traditional flow of resources to medical providers in all categories. The functions those resources have traditionally supported beyond provision of care include research, education and community support. These areas will thus be in jeopardy. It is essential that physicians at all levels of care delivery manage to be knowledgeable of these changes. Keys to creating the “highly efficient practice”: Doing More with Less- Increased RVUs and maintenance of quality care in the age of ACA” Paul Thornton MD Starting from the background of normative data on compensation and production and then moving to an example of high level of each, the audience will gain insight into various strategies that should be applicable to his/her clinical setting.
Panel Discussion with Q&A.
7:00  Impact of Change on Academic Health Centers (AHCs), Clinical Centers (CCs), and Private Practice (PP)
William B. Zipf, Central Ohio Pediatric Endocrinology & Diabetes Services, Columbus, OH
7:20  Keys to Creating the “Highly Efficient Practice”: Doing More with Less- Increased RVUs and Maintenance of Quality Care in the Age of ACA
Paul S. Thornton, Cook Children’s Medical Center, Fort Worth, TX

7:00am-8:00am
1055A  Precocious Puberty
PES Meet the Professor
Vancouver Convention Centre - West 220
Mark R. Palmert, University of Toronto, Toronto, ON, Canada

8:00am-11:00am
1225A  PES Plenary Session I, Business Meeting and Debate
PES Symposium
Vancouver Convention Centre - West 301-305
Target Audience: Pediatric Endocrine Society members and other interested individuals.
Objectives:
- Understand the different approaches to the prepubertal gender non-conforming child
- Understand the management techniques of the different approaches
Chairs: Morey W. Haymond, Baylor College of Medicine, Houston, TX
8:00  Pediatric Endocrine Society Business Meeting
Morey W. Haymond, Baylor College of Medicine, Houston
9:55  Lawson Wilkins Lecture Introduction
Morey W. Haymond, Baylor College of Medicine, Houston, TX
9:25  Lawson Wilkins Lecture: Translating Basic Mechanisms to Therapy in the Skeletal Dysplasia
Brendan Lee, MD, PhD, Professor, Baylor College of Medicine, Houston, TX
Jointly sponsored by the Pediatric Endocrine Society and the Pediatric Academic Societies

1:00pm - 4:00pm
Posters Available for Viewing
Vancouver Convention Centre, Hall B/C
Posters Available for Viewing: 1:00pm-4:00pm
Author Attendance and Opening Reception: 1:15pm-2:30pm

1:15pm - 2:30pm
Poster Session I and Opening Reception
Vancouver Convention Centre, Hall B/C
Course #  Topic  Board #
1514 Thyroid  157-168
1515 Diabetes / Hypoglycemia / Pancreatic Development  169-181
1516 Type 1 Diabetes  182-212

Refer to PAS Daily Programming for complete details.
2:45pm-4:45pm
1600A  Adrenarche: An Update on Physiology and Pathologic Considerations
PES Topic Symposium
Vancouver Convention Centre - West 301-305
Target Audience: Pediatric Endocrinologists, Neonatologists, General Pediatricians, Adolescent Medicine Specialists, and Basic Scientists.
Objectives:
- Review molecular biology, biochemistry, and physiology involved in the maturation of the adrenal gland
- Understand the clinical distinctions between “benign” and “worrisome” premature adrenarche
- Discuss whether children with premature adrenarche should receive long-term follow-up and, if so, how should they be followed

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2:45 Clinical Aspects of Premature Adrenarche: When Is It Not Benign? How Should Children with Premature Adrenarche Be Managed?
Sharon E. Oberfield, Babies & Children's Hospital, New York, New York

Walter L. Miller, University of California, San Francisco, San Francisco, CA

3:45 Role of Intra-Adrenal Cortisol in Regulating Adrenarche: Physiologic and Pathophysiologic Aspects
Joseph A. Majzoub, Harvard/Children's Hospital, Boston, MA

4:15 Discussion

2:45-4:15pm 1615 Ethics in the Conduct of Clinical/Basic Research
PAS Topic Symposium
Vancouver Convention Centre - West Ballroom A

Target Audience: Academic researchers at all stages of career and practice and across all disciplines within pediatrics.

Objectives:
- To understand the ethical issues regarding conduct research in pediatric patients, including neonates
- To understand the effectiveness research and waiver of consent for “emergency” research
- Articulate how social media impacts practice change and confidentiality concerning conduct of research

Chair: Seetha Shankaran, Children's Hospital of Michigan, Detroit, MI

This session will examine the impact of social media on practice changes in the conduct of research. The public/parental perception on the conduct of clinical research in pediatric patients will be discussed. The pros, cons, and risks of conducting research in today's environment will be presented. How to maintain confidentiality in the environment of social media and technology advances will be explored. The experience from trials will be reviewed and the recent public discussions regarding a multicenter neonatal study (SUPPORT) will be analyzed. The ethical aspects of research in pediatric care, both for new therapies compared to standard of care as well as comparative effectiveness research and waiver of consent for emergency/inpatient research needs will be explored. The regulatory oversight of research, both at the governmental and local institutional level, will be presented along with the need for changes. A vigorous interactive audience participation is anticipated.

2:50 Background for This Session: The SUPPORT Study
Carl T. D'Angio, University of Rochester, Rochester, NY

3:00 How Social Media and Public Discussion Impacts Conduct of Clinical Trials
Robin H. Steinorth, UC Davis Children's Hospital, Sacramento, CA

3:25 The Role of Social and Traditional Media in the SUPPORT Study Controversy
John D. Lanatos, Children's Mercy Hosp and University of Missouri Kansas City, MO

3:50 Comparative Effectiveness Research, New Therapies and Waiver of Consent
Jonathan M. Fanaroff, Rainbow Babies & Children's Hospital, Cleveland, OH

4:35 Discussion

Jointly sponsored by the Asian Society for Pediatric Research and the Pediatric Academic Societies
Only in this way will the physician know what they do and do not have influence over. They equally need to understand what others in the system have control over that ultimately influence they resources they have.

Panel Discussion with Q&A

7:00  The Effects of the ACA on the Practice and Office of the Pediatric Endocrinologist
William B. Ziffr, Central Ohio Pediatric Endocrinology & Diabetes Services, Columbus, OH

7:20  Empowering the Pediatric Endocrinologist: The Essential Vocabulary
Mark W. Parker, Carolinas HealthCare System, Charlotte, NC

7:00am-8:00am

2080A Transitioning from Fellowship – Dollars and Sense
PES Practice Workshop
Vancouver Convention Centre - West 221
Lynne L. Levitsky, Harvard Medical School, Boston, MA

8:00am-10:00am

2115A PES Ethics Symposium: Manipulation of the Sex Steroid Milieu to Alter Height in Adolescence: Show Us the Data
PES Symposium
Vancouver Convention Centre - West 301-305
Target Audience: Endocrinologists, general pediatricians.

Objectives:
- Discuss data behind the effectiveness of GnRH agonist therapy for short stature
- Understand the clinical rationale and setting for using sex steroid therapy in short statured children
- Debate the merits and risks of using aromatase inhibitors in a short statured child

Pharmacologic strategies to augment height outcomes in the adolescent population remains a controversial area. Androgens, estrogens, aromatase inhibitors and GnRH agonists are being prescribed, often with limited published data, to alter the normal hormonal milieu in adolescents with a goal of either limiting or enhancing adult height. This symposium will explore the available data on the safety, cost, and effectiveness of these therapies.

8:00  Oxandrolone, Testosterone and Estrogens: The Short and the Long
Alan D. Rogol, University of Virginia, Charlottesville, VA

8:35  GnRH Analog: Beyond Precocious Puberty
Erica Eunburger, Riley Children’s Hospital, Indianapolis, IN

9:10  Aromatase Inhibitors: Estrogen Suppression in Adolescent Males - A Current Review of Efficacy and Safety
Nelly Mauras, Nemours Children’s Clinic, Jacksonville, FL

9:40  Panel Discussion

10:00am - 12:30pm

2350 Endocrinology I: Basic
Platform - Vancouver Convention Centre - Room West 301-305
Chairs: Yee-Ming Chan and Robert Couch
Refer to PAS daily programming for complete details.

12:30pm - 4:00pm

2600 AAP Presidential Plenary and Annual Silverman Lecture
Vancouver Convention Centre - West Ballroom B

1:00pm - 3:00pm

2665 New Concepts in Beta Cell Biology
PAS State of the Art Plenary
Vancouver Convention Centre - West 305
Chairs: Maureen Ar-Ping Su, UNC Chapel Hill, Chapel Hill, NC, and Patricia M. Veguín, Cohen Children’s Hospital, Lake Success, NY
Target Audience: Academic general pediatrics, pediatric endocrinologists, pediatric gastroenterologists
Objectives:
- Understand recent breakthroughs in genetic causes of beta cell dysfunction.
- Understand recent development in trophic factors important in beta cell regeneration.
- Understand the state-of-the-art in islet transplantation/replacement.

Understanding beta cell biology is key for preventing and treating a number of diseases, including Type 1 and Type 2 Diabetes Mellitus, maturity onset diabetes of the young (MODY), neonatal hypersulminism, neonatal diabetes, and insulinomas. Recently, major advances have been made in our understanding of beta cell development, regeneration, and function. This symposium will provide updates on recent developments in key areas of beta cell biology and transplantation as they relate to pediatric diseases.

1:00  Islet Cell Transplantation for Type 1 Diabetes Mellitus
Peter Stock, University of California, San Francisco, San Francisco, CA

1:30  Can an Endogenous Source Be Used for Beta Cell Replacement Therapy for Diabetes?
Susan Bonner-Weir, Harvard Stem Cell Institute/Joslin Diabetes Center, Boston, MA

2:00  The Role of Aging in Beta Cell Regeneration
Jake A. Kushner, Baylor College of Medicine, Houston, TX

2:30  Making Islet Cells from Stem Cells to Treat Diabetes
Timothy J. Krieter, University of British Columbia, Vancouver, BC, Canada

1:00pm - 3:00pm

2680A Pediatric Bone Disease – Beyond the Bare Bones
PES Topic Symposium
Vancouver Convention Centre - West 301-305
Target Audience: Clinical and academic general pediatrics and pediatric endocrinologists, adolescent medicine specialists, geneticists, nephrologists, pulmonologists, rheumatologists, rehabilitation medicine specialists, and oncologists.

Objectives:
- Discuss appropriate assessment of bone disease and treatment options in childhood osteoporosis and in childhood overgrowth syndromes.
- Recall the effects of chronic disease and glucocorticoids on pediatric bone health
- Explain the role of bisphosphonate and enzyme replacement therapy in the treatment of pediatric bone disease
PAS/ASPR 2014
VANCOUVER

PEDIATRIC ENDOCRINE SOCIETY

Chairs: Laura K. Bachruch, Stanford University School of Medicine, Stanford, CA, and Seth D. Marks, University of Manitoba and Winnipeg Children’s Hospital, Winnipeg, MB, Canada

Pediatric bone health is an evolving area of pediatric care with patients presenting regularly to general and subspecialty pediatricians’ offices. Children’s bone health can be affected by inherited bone disorders, chronic disease, and medications such as glucocorticoids. The diagnosis, treatment, and outcome of children with bone disease is a controversial and continually evolving field. This symposium will address updates in our understanding of selected genetic syndromes with bone involvement, effects of chronic disease and glucocorticoids on bone, bisphosphonate therapy in children, and the promise of bone targeted enzyme replacement therapy.

1:00 Bone Mass Effects and Fracture Risk in Children Receiving Glucocorticoid Therapy – STOPP-CIS (Steroid-Induced Osteoporosis in the Pediatric Population – Canadian Incidence Study)
Leanne Marie Ward, Department of Pediatrics, Ottawa, ON, Canada

1:30 Bisphosphonate Therapy in Children – In Osteogenesis Imparfecta and Beyond?
Frank Rauch, McGill University, Montreal, QC, Canada

2:00 Hypophosphatasia – Enzyme Replacement Therapy Changing the Outcome of a Life Threatening Pediatric Bone Disease
Cheryl R. Greenberg, Children’s Hospital, Winnipeg, MB, Canada

2:30 Overgrowth Syndromes with Skeletal Involvements
Keiichi Oromoto, Osaka University, Graduate School of Medicine, Suita, Osaka, Japan

Jointly sponsored by the Asian Society for Pediatric Research and the Pediatric Academic Societies

3:30pm-5:30pm

2780 Adrenal Function in the Preterm and Sick Term Neonate: Reliability of Assessment and Effects of Treatment
PAS Topic Symposium
Vancouver Convention Centre - West 220

Target Audience: This topic symposium will be of great interest to practicing Neonatologists, Pediatric Endocrinologists and Pediatric Intensivists who are asked to evaluate infants with possible adrenal insufficiency since there are no clear diagnostic criteria for this life-threatening clinical condition.

Objectives:
- Review development of fetal HPA axis, adrenal gland and discuss molecular effects of glucocorticoids during gestation
- Summarize current methods of assessment of adrenal function testing, their accuracy, and rationale behind ACTH dose used in stimulation testing
- Discuss benefits and adverse effects of glucocorticoid replacement therapy in neonates

Chairs: David Langdon, Childrens Hospital of Philadelphia Division of Endocrinology and Diabetes, Philadelphia, PA, and Prem S. Shekharwat, MetroHealth Hospital, Case Western Reserve University, Cleveland, Ohio

Adrenal insufficiency is presumed frequently in preterm neonates and sick, term neonates. However, the accuracy and utility of current methods of evaluation of the HPA axis in these children have not been clearly established. This symposium will review the “state-of-science” of our understanding of the physiology and pathophysiology of adrenal function in neonates and discuss limitations of currently available adrenal function tests. The scientific basis for glucocorticoid replacement in infants diagnosed with transient or persistent adrenal failure and side effects of long-term glucocorticoid use in the preterm neonate will be addressed.

3:30 Overview: Adrenal function and its impact on Neonatal Outcomes
Prem S. Shekharwat, MetroHealth Hospital, Case Western Reserve University, Cleveland, Ohio

3:45 Development of Fetal HPA Axis and Effect of Preterm Birth on Adrenal Function
Louis Joseph Muglia, Cincinnati Children’s, Cincinnati, OH

4:00 Evaluation of the HPA Axis in the Neonate: Stimulation Tests and Beyond
Patricia A. Donohoue, Medical College of Wisconsin, Milwaukee, WI

4:30 Glucocorticoid Replacement in Infants with Transient or Persistent Adrenal Failure
Kristi L. Watterberg, University of New Mexico Health Sciences Center, Albuquerque, NM

3:30pm-5:30pm

2805 The Challenges of Adherence in Adolescents with Chronic Medical Disease
PAS Topic Symposium
Vancouver Convention Centre - West 301-305

Target Audience: Clinical and academic general pediatricians and pediatric subspecialists, including endocrinologists, nephrologists, pulmonologists, adolescent medicine specialists and any physicians managing children with chronic medical problems.

Objectives:
- Understand the frequency of incomplete adherence in different adolescent populations
- Discuss the process of human centered design thinking and creating tools for adherence in adolescents with diabetes
- Identify and be able to use strategies to improve adherence

Chairs: Michael J. Tonsey, University of Iowa, Iowa City, IA, and Neil H. White, Washington University in St. Louis, St. Louis, MO

Non-adherence in adolescents with chronic medical problems leads to increased morbidity and mortality. Recognizing the frequency of non-adherence and proactively managing can help improve the quality of healthcare provided to children and adolescents and ultimately lead to better outcomes. This symposium explores the factors and costs associated with poor adolescent adherence to prescribed medical therapies, and describes innovative strategies that target this important problem.

3:30 Factors Associated with Non-Adherence in Adolescence
Tim Wysocki, Nemours Children’s Health System, Jacksonville, FL

4:00 Design Thinking for Creating Adherence Interventions in Adolescents
Joyce M. Lee, University of Michigan, Ann Arbor, MI

4:30 Increasing Family Involvement to Reduce Non-Adherence
Lori M.B. Laffel, Joslin Diabetes Center, Boston, MA

5:00 The Use of Technology to Improve Compliance in Adolescents with Chronic Medical Conditions
Patrick Brophy, University of Iowa Children’s Hospital, Iowa City, IA

3:30pm-5:30pm

2865 Obesity & Disordered Eating II
Platform - Vancouver Convention Centre - Room West 214

Chairs: Jennie Huang and Maria Vogiatzi

Refer to PAS daily programming for complete details.
Monday, May 5
7:00am-8:00am

3040A D and T Committee Update: Vitamin D Toxicity and Use of HbA1c for Diagnosis of Diabetes
PES Workshop
Vancouver Convention Centre - West 301-305

Co-Leaders: Maria G. Vojdani and Philip Scott Zeitzer

This workshop will present a synopsis of the PES Drugs and Therapeutics Committee’s work in two important clinical areas: Use of hemoglobin A1c test in the diagnosis of type 2 diabetes in children and; vitamin D toxicity in children.

7:00am - 8:00am

3050A Going Global: Implications of Non-Governmental Efforts in Pediatric Research Funding
PFC Hot Topic
Vancouver Convention Centre - West 111-112

Chairs: Richard Lee Bucarielli, University of Florida, Gainesville, FL, and Scott Denne, Indiana University, Indianapolis, IN

This session will provide viewpoints on the future of non-governmental funding for pediatric research from both the pharmaceutical industry and from non-profit sector foundations. The session will review the current funding situation and how we arrived here, but will focus primarily on the future direction of sponsorship of child health research, including private foundation and industry sources. The panel will discuss new strategies, including public policy and advocacy to engage new funding sources for pediatric research. The panel will also discuss the strategies for supporting young investigators, including both traditional sources of funding and alternative models. Panel members will be experts and leaders in pediatric research, those familiar with navigating the non-governmental research funding process, and policy experts.

Speakers: Charles Thompson, Pfizer; Ron Portman, Bristol-Myers Squibb; Shalee Wong, Robert Wood Johnson Foundation

This session is jointly sponsored by the Pediatric Infectious Diseases Society and Society for Adolescent Health and Medicine and by the members of the Pediatric Policy Council: the Academic Pediatric Association, the American Pediatric Society, the Association of Medical School Pediatric Department Chairs, and the Society for Pediatric Research.

7:00 Introduction
Scott Denne, MD, FAAP
Professor of Pediatrics, Indiana University

7:05 Pediatric Innovation: Partners in Progress
Charles Thompson, MD, FAAP, Pfizer
Ron Portman, MD, FAAP, Bristol-Myers Squibb

7:25 Foundation Funding – A Viable Option
Shalee Wong, MD, FAAP, Robert Wood Johnson Foundation

7:35 Discussion
8:00am-10:00am

3102A Endocrine Issues in the Childhood Cancer Survivor
PES Topic Symposium
Vancouver Convention Centre - West 301-305

Target Audience: Clinical and academic general pediatrics and pediatric subspecialists, including endocrinologists, adolescent medicine specialists, hemato-oncologists, onco-natologists.

Objectives:
- Understand growth hormone and other pituitary hormone deficiencies after childhood cancer treatment
- Understand gonadal and thyroid dysfunctions after childhood cancer treatment
- Understand cardiovascular risk factors after childhood cancer treatment

Chairs: Anna Petrov, University of Minnesota Amplatz Children’s Hospital, Minneapolis, MN, and Wassim Chemaitilly, St Jude Children’s Research Hospital, Memphis, TN

Endocrine problems are major sequelae of childhood cancers and their treatments. The following symposium will address current knowledge on the pathogenesis, incidence, screening, and treatment of conditions that arise secondary to chemotherapy, radiation, and other treatments of malignancies.

8:00 Growth Hormone and Other Anterior Pituitary Hormone Deficiencies after Childhood Cancer Treatment
Laurie E. Cohen, Boston Children’s Hospital, Boston, MA

8:30 Gonadal Dysfunction after Childhood Cancer Treatment
Lillian R. Meacham, Emory University School of Medicine, Atlanta, GA

9:00 Primary Thyroid Disease after Childhood Cancer Treatment
Steven G. Waguespack, University of Texas M.D. Anderson Cancer Center, Houston, TX

9:30 Cardiovascular Risk Factors after Childhood Cancer Treatment
Erie J. Chow, Seattle Children’s Hospital, Seattle, WA

8:00am-10:00am

3130 Newly Discovered Disorders of the HPT Axis and Thyroid Hormone Action
PES Topic Symposium
Vancouver Convention Centre - West 306

Target Audience: Pediatric Endocrinologists, Pediatric Geneticists, General Pediatricians, and Basic Scientists.

Objectives:
- Understand the genetics of congenital hypothyroidism
- Understand the pathophysiology and clinical phenotype of the recently found disorders of the HPT axis and thyroid hormone action
- Apply the knowledge to improve our ability to diagnose and treat infants and children with congenital hypothyroidism

Chairs: Toshihiro Tajima, Hokkaido University School of Medicine, Sapporo, Hokkaido, Japan, and Rosalind S. Brown, Boston Children’s Hospital, Boston, MA

Elucidation of the molecular bases of diseases that disrupt thyroid hormone regulations/signaling have been instrumental in broadening our understanding of normal development and physiology. Recent advances in this field have shed light on how the integrated action of multiple factors in the target cell govern specific responses to thyroid hormone in different tissues. Another rare condition, congenital central hypothyroidism has also been continuously explored. In this symposium, we will present how some of the most recent findings in congenital hypothyroidism have changed the way we view thyroid hormone biology and pathophysiology.

8:00 Congenital Central Hypothyroidism Due to Mutations in IGSF1
Toshihiro Tajima, Hokkaido University School of Medicine, Sapporo, Hokkaido, Japan

8:30 Consequences of Thyroid Hormone Transporter Deficiencies
Noriyuki Namba, Osaka University Graduate School of Medicine, Suita, Osaka, Japan

9:00 Resistance to Thyroid Hormone Mediated by Defective Thyroid Hormone Receptor alpha
Krishna Chatterjee, Addenbrooke’s Hospital, University of Cambridge, Cambridge, United Kingdom

9:30 The Clinical Diversity of Inherited Partial SDB2 Deficiency
Alexandra M. Dumitrescu, University of Chicago, Chicago, IL

Jointly sponsored by the Asian Society for Pediatric Research, Pediatric Endocrine Society and the Pediatric Academic Societies
of its regulation may impact treatment options for metabolic bone diseases including MBD-CKD.

10:00  FGF23: The Assay and Overview
Rachel I. Gafni, National Institutes of Health, Bethesda, MD

1:15  FGF23 and the Regulation of Phosphorus by the Kidney
Farzana Perwad, UCSF, San Francisco, CA

1:40  FGF23 Activity in Bone Metabolism and Vascular Biology
Katherine Wesseling, David Geffen School of Medicine at UCLA, Los Angeles, CA

2:05  FGF23 in Metabolic Bone Disease of Endocrine Origin
Erik A. Insel, Indiana University School of Medicine and Riley Children’s Hospital, Indianapolis, IN

2:30  FGF23 in the Clinical Management of CKD-MBD
Mary B. Leonard, The Children’s Hospital of Philadelphia, Philadelphia, PA

Jointly sponsored by the American Society of Pediatric Nephrology, Pediatric Endocrine Society, Society for Pediatric Research, Pediatric Endocrine Society and the Pediatric Academic Societies

1:00pm - 3:00pm

3545  Endocrinology III: Clinical
Platform - Vancouver Convention Centre - Room West 301-305

Chairs: Carla Demeterco-Bergseth and Nancie MacIver

Refer to PAS daily programming for complete details.

1:30pm-5:15pm

3600  Academic Pediatric Association Presidential Plenary and Armstrong Lecture
Vancouver Convention Centre - West Ballroom A

David Keller
President
Academic Pediatric Association

Moderator: Mark Schuster, President Elect, Academic Pediatric Association, Harvard Medical School, Boston Children’s Hospital, Boston, MA

1:30  Highest Cost Patients In Children’s Hospitals In 2009: Where Are They Now? Alan Pelz, David Rubin, John Neff, Mark Brittan, Matt Hall, Kenneth Mandl, Eyal Cohen, David Hall, Dennis Kao, Rishi Agrawal, and Jay Berry.

1:45  Testing, Talking, and Driving: An Observational Survey of Cellular Phone Use among Drivers Beth E. Ebel, Annie P. Kirk, Amy Freidel, Laura Hitchcock, Laura Blanar, Jennifer D. Maeser, Qun Qu, and Robert Kaufman

2:00  Neighborhood Housing Code Violation Density is Associated with a Patient’s Risk of Asthma Reutilization Andrew F. Beck, Bin Huang and Robert S. Kahn.

2:30 President's Address: Policy, Politics and Procedure: Our Role in Building Systems that Improve the Health of Children David Keller, President, Academic Pediatric Association, Professor, Department of Pediatrics, University of Colorado School of Medicine, Vice Chair of Clinical Affairs and Clinical Transformation, Children's Hospital Colorado, Aurora, CO

3:00 Break

3:15 APA Health Care Delivery Award: Presented by Jane Knopf to The Department of Pediatrics at Boston Medical Center/Boston University School of Medicine. Program Director, Barry Zuckerman.

3:30 APA Research Award: Presented by Cynthia Minkovitz to Alejandro Hoberman, Chief, Division of General Academic Pediatrics Professor of Pediatrics and Clinical and Translational Science, University of Pittsburgh School of Medicine

3:45 Violent Deaths in Children: Opportunities for Prevention at a Children's Hospital Terri Frazer, Denise Dowd, Monica Nielsen, and James Anderst

4:00 The I-PASS Handoff Study: Effects of Implementing a Multi-site Handoff Bundle on Rates of Medical Errors, Preventable Adverse Events, and Miscommunications Amy Starner and I-PASS Group

4:15 Can Brief Motivational Interviewing in Practice Reduce Child Body Mass Index? Results of a 2-year Randomized Controlled Trial K. Resta-Hoewow

4:30 Addressing the Social Determinants of Health at Well-Child Care Visits: A Cluster RCT Arvin Garg, Sarah Toy, Yenhoi Tippologia, and Elmer Freeman

4:45 Armstrong Lecture: OUTSIDE LOOKING IN, INSIDE LOOKING OUT: Expanding the concept of health Karen Hein, MD, Adjunct Professor, Dept. of Community & Family Medicine, Geisel School of Medicine at Dartmouth, Member, Vermont Green Mountain Care Board

Jointly sponsored by the Academic Pediatric Association and the Pediatric Academic Societies

3:30 RET Revisited: Diagnosis, Prognosis and Therapeutic Targeting in an Expanding Oncogenic Portfolio Louis Mulligan

4:10 The Phenotypic Array of Menin Mutations: Implications for Screening and Treatment Karel Pacak, NIH, Bethesda, MD

4:50 Multiple Endocrine Tumor Syndromes beyond MEN Maya Ledish, NICH, NIH, Bethesda, MD

3:30pm-5:30pm

3632A Stimulants, Steroids and Salt Chlorides: Statural Growth in 3 Common Pediatric Conditions PES Topic Symposium

Vancouver Convention Centre - West 211

Target Audience: Clinical and academic general pediatricians and pediatric subspecialists, including endocrinologists, nephrologists, adolescent medicine specialists, pulmonologists, rheumatologists.

Objectives:
- Discuss impact of ADHD and stimulant therapy on growth and adult height
- Recall data associated with glucocorticoid induced growth impairment and learn strategies to minimize these effects
- Describe growth outcomes in cystic fibrosis and effectiveness of anabolic agents on growth, puberty and quality of life

Chairs: Bradley S. Miller, University of Minnesota Amplatz Childrens Hospital, Minneapolis, MN, and Dorothy I. Shulman, University of South Florida, Tampa, FL

Impact on growth and adult height are important outcomes to consider in the management of any chronic pediatric condition. The following symposium will address current knowledge on outcomes and interventions related to growth in children with ADHD with and without stimulant therapy, children who require chronic glucocorticoid therapy, and children with cystic fibrosis.

3:30 Does ADHD or It's Treatment Affect Growth and Adult Height? A Psychologist's Viewpoint James Swanson, University of California, Irvine, Irvine, CA

4:10 Growth Effects of Airway Glucocorticoids: Still an Issue after All of Those Years David B. Allen, University of Wisconsin School of Medicine and Public Health, Madison, WI

4:50 Use of Anabolic Agents in Cystic Fibrosis: Effects on Growth, Puberty and Quality of Life. Where Are We Now? Michael S. Stalvey, University of Alabama School of Medicine, Birmingham, AL

4:15pm-7:30pm

Posters Available for Viewing

Vancouver Convention Centre, Hall B/C

Posters Available for Viewing: 4:15pm-7:30pm
Author Attendance: 5:45pm-7:30pm

5:45pm-7:30pm

Poster Session III

Vancouver Convention Centre, Hall B/C

Posters Available for Viewing: 4:15pm-7:30pm
Author Attendance: 5:45pm-7:30pm

Course # Topic Board #
3807 Type 2 Diabetes / Obesity / Metabolic Syndrome 169-189
3808 Vitamin D / Bone / Calcium 191-216
3809 Specialty Workforce 217

Refer to PAS Daily Programming for complete details.

www.pas-meeting.org 341
Tuesday, May 6
7:00am - 11:00am
Poster Session IV
Vancouver Convention Centre, Hall B/C
Author Attendance: 7:30am - 9:30am
Refer to PAS Daily Programming for complete details

COMMITTEES

Thursday, May 1
8:00am - 5:00am
PES Board of Directors Meeting
Sheraton Vancouver Wall Centre - Azure

Friday, May 2
8:00am - 10:00am
PES Drug and Therapeutic Committee Meeting
Sheraton Vancouver Wall Centre - Finback
PES History Committee
Sheraton Vancouver Wall Centre - Vancouver
PES Program Directors Meeting
Sheraton Vancouver Wall Centre - Junior Ballroom C
PES Public Policy Council Meeting
Sheraton Vancouver Wall Centre - Hudson
8:00am - 11:30am
PES Board of Directors Meeting
Sheraton Vancouver Wall Centre - Azure
PES Obesity Committee
Sheraton Vancouver Wall Centre - Port McNeill
8:00am - 12:00pm
PES Research Affairs
Sheraton Vancouver Wall Centre - Vancouver
9:00am - 12:00pm
MOCE
Sheraton Vancouver Wall Centre - Columbia
10:00am - 12:00pm
PES Education Council Meeting
Sheraton Vancouver Wall Centre - Beluga
PES Program Committee Meeting
Sheraton Vancouver Wall Centre - Port Alberni
PES Training Council
Sheraton Vancouver Wall Centre - Burrard
12:00pm - 1:00pm
PES Board and Chairs Lunch
Sheraton Vancouver Wall Centre - Orca
1:00pm - 3:00pm
PES Board and Committee Chairs
Sheraton Vancouver Wall Centre - Grasville
1:00pm - 5:00pm
Adolescent PCOS consensus
Sheraton Vancouver Wall Centre - Columbia
3:00pm - 5:00pm
PES International Relations council
Sheraton Vancouver Wall Centre - Blue Whale
PES Practice Management
Sheraton Vancouver Wall Centre - Hudson
4:00pm - 6:00pm
PES Ethics Committee
Sheraton Vancouver Wall Centre - Burrard
6:00pm - 7:00pm
Fellows Meet and Greet
Sheraton Vancouver Wall Centre - Parksville

Saturday, May 3
12:30pm - 1:30pm
PES Past Officer’s Luncheon
Pan Pacific Vancouver - Oceanview 8
5:00pm - 7:00pm
PES MOCE Part 2
Sheraton Vancouver Wall Centre - Pavilion Ballroom C
7:00pm - 10:00pm
Pediatric Endocrine Society (PES) Speakers’ Dinner
Offsite

Sunday, May 4
11:00am - 1:00pm
PES: Fellows lunch
Pan Pacific Vancouver - Oceanview 8

Visit the
PEDIATRIC ENDOCRINE SOCIETY
at www.pedsendo.org

Contact for PES information:
Maureen Thompson
PES Director
6728 Old McLean Village
McLean, VA 22101
Phone: 703-556-9225
Email: info@pedsendo.org
URL: www.pedsendo.org