The Southern Pediatric Endocrine Society

Annual Meeting

December 1-2, 2012

The Buena Vista Palace Hotel
1900 East Buena Vista Drive
Lake Buena Vista, FL 32836
Needs Assessment

In the last few years, there have been several advances in the development of new genetic techniques. These have allowed a better understanding of the molecular mechanisms of genetically determined pediatric endocrine disorders and are paving the way for changes in diagnosis and treatment.

This educational activity is a result of the overwhelming response of the successful 2011 conference. Topics regarding pediatric endocrine disorders as well as for additional lectures on diabetes and hyperlipidemia have been selected in part from those repeatedly requested in the evaluation summary.

Cystic Fibrosis-Related Diabetes in Childhood

Since the early 1990s the management of children with cystic fibrosis (CF) has come a long way and advances in both nutritional and medical care have resulted in a median age of survival of 30-35 years, as compared with a life expectancy of <1 year in the 1950s. The first definitive reports of glucose intolerance or diabetes in CF are from 1955. The combination of CF and related diabetes (CFRD) has a negative impact on survival. CFRD is now the most common complication of CF (50% of the CF patients will develop diabetes by the age of 30 years), and is associated with a 6-fold increase in morbidity and mortality.

Transitioning Teenagers from Pediatric to Adult Diabetes Care Systems

During childhood and adolescence, there is a gradual shift from diabetes care supervised by parents and other adults to self-care management. The actual change from pediatric to adult health care providers signals a more abrupt change that requires preparation by patients, their families and their health care providers. This is a critical time when patients not only assume responsibility for their diabetes self-care and interactions with the health care system but when they become more independent, potentially moving out of their parents’ home to attend college or to join the workforce. In the context of these transitions and the developmental issues of this age group, gaps in diabetes care can result in suboptimal health care utilization, deteriorating glycemic control, increased occurrence of acute complications, emergency of chronic complications of diabetes that may go undetected or untreated, and psychosocial, behavioral and emotional challenges.

Hyperlipidemia

About 1 in 500 children have the defective gene responsible for hyperlipidemia that causes extremely high cholesterol or high triglycerides, another type of lipid. Those who inherit the defective gene from each parent are at even higher risk for heart problems. It is a rare condition. When managed properly with an appropriate treatment approach, children with hyperlipidemia should be able to avoid major heart problems later in life. For some, diet will be enough, and for others medication will be needed. Children at especially high risk (who have defective genes from each parent) will need specialized care to prevent atherosclerosis.

There is a clear need for pediatric endocrinologists to attain the competence necessary to properly incorporate the procedures discussed above into their practices to improve patient care.

Course Description

The 2012 Southern Pediatric Endocrine Society Annual Meeting is designed to allow members of the Society and other interested pediatric endocrinologists and healthcare professionals to present new research findings, interesting or unusual case studies and pediatric endocrine problems in order to update participants on the diagnosis and treatment of endocrine abnormalities in their clinical practice. There will be ample time for discussion, questions and answers and interaction among participants in an informal setting.
**Target Audience**

The course is specifically designed to meet the educational needs of pediatric endocrinologists, pediatric endocrine nurses, diabetes educators, physician assistants, fellows and other healthcare professionals interested in pediatric endocrinology.

**Course Objectives**

*Upon completion of this activity, the participant should be able to:*

- Discuss the most recent guidelines and current management strategies for cystic fibrosis related diabetes.
- Develop a plan for transitioning teenagers with type 1 diabetes from pediatric to adult endocrine care.
- Describe appropriate screening and therapeutic options for Cushing syndrome.
- Discuss adrenal dysfunction in the intensive care setting.
- Manage the controversies involved in Graves disease and the side effects of medical therapy.
- Evaluate ketotic hypoglycemia, with consideration of glycogen storage disease in these individuals.
- Formulate treatment strategies for precocious puberty.
- Recognize the broad differential diagnosis for hyperlipidemia.
- Discuss transient congenital hypothyroidism.
- Review the factors associated with the development of type 1 diabetes mellitus and discuss current research trials.

**Accreditation**

**Physicians:**

USF Health is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

USF Health designates this educational activity for a maximum of 8 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**Nurses:**

The University of South Florida College of Nursing is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

A maximum of 8.0 contact hours may be earned by learners who successfully complete this continuing nursing educational activity.

**Registered Dieticians:**

USF Health, CO001 is a Continuing Professional Education (CPE) Accredited Provider with the Commission on Dietetic Registration (CDR) from 2/21/10 to 2/21/13. Registered dietitians (RDs) and dietetic technicians, registered (DTRs) will receive up to 10.8 continuing professional education units (CPEUs) for completion of the Southern Pediatric Endocrine Society (SPES) meeting. Continuing Professional Education Provider Accreditation does not constitute endorsement by CDR of a provider, program or materials.

**Physician Assistants:**

The American Academy of Physician Assistants (AAPA) accepts AMA PRA Category 1 Credits™ from organizations accredited by the ACCME.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>7:15-8:15 a.m.</td>
<td><strong>Breakfast/Registration/Exhibits</strong></td>
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<tr>
<td>8:20-8:30</td>
<td>Welcome</td>
<td>Elizabeth Fudge, MD</td>
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<td>8:30-9:10</td>
<td>Update on the Pathogenesis and Management of Cystic Fibrosis Related Diabetes</td>
<td>Michael Stalvey, MD</td>
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<td>9:10-9:50</td>
<td>Transition Management in Type 1 Diabetes</td>
<td>Janet Silverstein, MD</td>
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<td>9:50-10:10</td>
<td>Clinical Efficacy of Three Month Depot GnRH Agonist in Suppression of Central Puberty</td>
<td>Susan Rose, MD</td>
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<td>10:10-10:30</td>
<td>Aromatase Inhibition for Advanced Bone Age</td>
<td>Caroline Colvin, MD</td>
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<td>10:30-11:00</td>
<td><strong>Break/Exhibits</strong></td>
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<tr>
<td>11:00-11:20</td>
<td>Cushing Syndrome: Use and Interpretation of Screening Tests and New Therapeutic Options</td>
<td>T. Brooks Vaughan, MD</td>
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<td>11:20-11:40</td>
<td>Adrenal Dysfunction in the Pediatric ICU: Diagnosis and Treatment</td>
<td>Mark DeBoer, MD</td>
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<tr>
<td>11:40-12:00 p.m.</td>
<td>Laboratory Evaluation of Newborns with Abnormal Screening Values for CAH Using Urinary Gas Chromatography/MassSpectrometry Analysis</td>
<td>Mary Lauren Scott, MD</td>
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<td>12:00-1:30</td>
<td><strong>LUNCH</strong></td>
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<td>1:30-2:30</td>
<td>Controversies in the Management of Graves Disease</td>
<td>Scott Rivkees, MD</td>
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<td>2:30-2:50</td>
<td>Graves Disease and Hypoglycemic Seizure</td>
<td>Rena Abraham, MD</td>
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<td>2:50-3:10</td>
<td>Transient Congenital Hypothyroidism: It’s More Common Than You Think</td>
<td>Jay Cohen, MD</td>
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<td>3:10-3:30</td>
<td><strong>Break/Exhibits</strong></td>
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<tr>
<td>3:30-3:50</td>
<td>A Case Report of Thyroid Hormone Resistance Syndrome</td>
<td>Bimota Nambam, MD</td>
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<td>3:50-4:10</td>
<td>New Onset Autoimmune Adrenal Insufficiency in a Healthy Adolescent Female Presenting with Recurrent Episodes of Suspected Septic Shock and Intrauterine Fetal Demise</td>
<td>Ranjana Sarma, MD</td>
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**Agenda continued**

### Poster Session

**Effect on GH Replacement on Serum Lipid Profiles in GH Deficient Children: A Prospective, 6 Month Study (in Progress).**
*Jenni Scholl, BSN*

Partial Androgen Insensitivity Syndrome with Subsequent Precocious Puberty in a Toddler
*Grace Dougan, MD*

**Effect of Omega 3 Fatty Acids on Adrenal P450 Steroidogenic Enzymes**
*Kenneth McCormick, MD*

**Cystic Fibrosis Bone Disease: Interactions Between Osteoblasts and Osteoclasts May Be the Key to Increased Bone Loss**
*Michael Stalvey, MD*

**Cystic Fibrosis Related Diabetes**
*Nisha Donthi, Kent Reifschneider, MD, Amy M. Perkins, MS*

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**Dinner**

Cases from the Dark Ages of Pediatric Endocrinology or from the Developing World
*Arlan Rosenbloom, MD*

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**Sunday, December 2, 2012**

7:30-8:30 a.m. **Breakfast/Registration/Exhibits**

8:35-8:40 **Announcements**
*Henry Rohrs, III, MD*

8:40-9:40 **Ketotic Hypoglycemia**
*David Weinstein, MD*

9:40-10:00 **Glycogen Storage Disease Presenting as Lipemic Serum and Hypertriglyceridemia in the Lipid Clinic**
*Joyce Gan, MD*

10:00-10:20 **Update on the TrialNet Pathway to Prevention Study**
*Henry Rodriguez, MD*

10:20-10:50 **Break/Exhibits**

10:50-11:10 **Adolescent with Amenorrhea, Hyperandrogenemia and Adnexal Mass**
*Lauren Quinn, CRNP*

11:10-11:30 **The Case of the Disappearing Endocrine Abnormality**
*Nancy Wright MD*

11:30-11:50 **Primary Chronic Hypomagnesemia**
*Ken McCormick, MD*

11:50 a.m. **Program Adjourns**
Faculty

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Faculty Disclosure:

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Accommodations for Disabilities

Please notify the Continuing Professional Development Office at (813) 224-7860 or CPDSupport@health.usf.edu a minimum of 10 working days in advance of the event if a reasonable accommodation for a disability is needed.

Equal Opportunity

Events, activities and facilities of the University of South Florida are available without regard to race, color, marital status, gender, sexual origin, religion, national origin, disability, age or Vietnam or disabled veteran status as provided by law and in accordance with the University's respect for personal dignity.

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The Office of Continuing Professional Development (CPD) at USF Health reserves the right to cancel this activity due to unforeseen circumstances in which the full registration fee will be refunded. USF Health is not responsible for travel expenses incurred by the participants in the unlikely event that the course is cancelled.

Location:

Buena Vista Palace Hotel and Spa
1900 East Buena Vista Drive
Lake Buena Vista, FL 32836
866-397-6516

Feel the magic as soon as you arrive at this Walt Disney World® area, Buena Vista Palace is a luxurious haven offering unsurpassed comfort, hospitality, and design. Complimentary transportation to the Walt Disney World® theme parks is available.

A block of rooms have been reserved for the conference at the special rate of $129.00 per night for single/double occupancy plus sales tax. These rooms will be held until November 7, 2012.

To reserve your room, please call directly, 1-866-246-6563 and reference the SPES Annual Meeting.
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Three Ways To Register:
Please mail registration form to:
USF HPCC
P.O. Box 628263
Orlando, FL 32862-8263

Online:
Register online at www.cme.hsc.usf.edu,
click on Course Catalog, December 2012.
Scroll down until you find this course.

Fax registration form to:
(813) 224-7864
For further information, please call the Office of
Continuing Professional Development at
(813) 224-7860

Name: ____________________________
Date of Birth (MM/DD): ______________________

Gender: □ Male    □ Female

Academic Degrees: ____________________________ Specialty: ____________________________

Address: __________________________________________

County: ____________________________ City: ____________________________ State: _________ Zip: _________

Daytime Phone: ____________________________ Fax: ____________________________

E-mail Address: ____________________________

“Burning Question” I would like the faculty to address during the program:
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________

□ NP/Nurse    □ PA    □ RD    □ MD/DO    □ Guest    □ Other ____________________________

Registration Fees: $150
Registration fee includes program, breakfast, break and dinner.
Guest fees for the dinner on Saturday evening is $50.00

Refund Policy: Registration fees will be refunded minus a $35 processing fee with written notice on or prior to
November 1, 2012. No refunds will be made after this date. No registration is confirmed without FULL payment.

Payment Method:
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Address: __________________________________________

County: ____________________________ City: ____________________________ State: _________ Zip: _________

Daytime Phone: ____________________________ Fax: ____________________________

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