Dear Colleagues,

With a virtual passing of the gavel, I take over the reins from Erica Eugster as your President. It feels strange for this to happen quite this way, but of little import in the greater scheme of things. First of all, I want to take a minute to thank Erica for a wonderful and stellar year as our President. We will miss her wise counsel, her thoughtfulness, and her long-sightedness in this role. However, she will continue on the Board as Past President for the coming year, and we will continue to benefit from her wisdom during this time, and also enjoy her yoga classes (virtual and eventually in-person).

If all had gone as planned, we would now have been celebrating the conclusion of a terrific inaugural stand-alone meeting of the Pediatric Endocrine Society. The Program Committee under the leadership of Sripriya Raman and Laurie Cohen had put together a superb program, and we are looking into ways to carry over portions of this program to the 2021 meeting, or be available to our membership via virtual platforms. We also plan to make the Business Meeting available to the membership soon. I want to acknowledge the efforts of Maureen Thompson and her team at Degnon, who put in a huge amount of work behind the scenes to organize the meeting and engage our Mission Alliance Partners in sponsorships and satellite symposia for the meeting, and also our Mission Alliance Partners for their excitement and support of a stand-alone meeting. Most of all, I want to thank YOU for registering in record numbers for this meeting and for your enthusiasm and hard work with the abstracts you submitted, the special interest groups (SIGs) you participated in, the programs you planned within the SIGs, and your patience as we worked through the logistics of canceling the meeting when that became inevitable.

Now looking forward…… We have learned a lot from planning the 2020 meeting that will make planning for the 2021 meeting that much easier, and this planning will begin soon (and in fact has begun already). We hope to bring additional basic and clinical research symposia to the 2021 and future meetings, additional learning opportunities, and speakers that represent the breadth of our membership. I am delighted to inform you that the Program Committee for the 2021 meeting will be led by Ambika Ashraf and Selma Witchel.

As you will know from the content of the Business Meeting, our Committees and SIGs have been phenomenal in their output this past year, and continue to go about their respective missions as we head into a new PES year. Further, our Mission Alliance Partners are engaged and enthusiastic, and we look forward to working with them to
Finally, and maybe most importantly, I want to touch briefly on what is on our minds constantly these days- the COVID-19 pandemic. If any of you have lost family or friends to this pandemic, my very sincere condolences- your PES family grieves with you. May I give a collective hug and convey my heartfelt thanks to all the pediatric endocrine fellows (and faculty) redeployed to COVID-19 or other floors, who have selflessly given up personal time and gone beyond their comfort zone to work side by side with our residents and particularly our adult medicine colleagues, who are answering the call to duty while protecting themselves the best as they can. You are an inspiration and you embody everything we value most in this profession. While this can be scary, like a colleague said, we need to be able to look back at this time and know that we did what we could. We also need to congratulate ourselves on adapting rapidly to this changing world by switching to virtual platforms to continue to deliver the best possible care to our patients and families while sheltering in place, and yet being available to see patients in-person as and when needed.

In the meantime, spring flowers are blooming and the promise of summer is upon us. As you go about your tasks on the hospital floors, or at home running virtual clinics for your patients while helping your children learn virtually, do take a moment to marvel at the explosion of spring colors, and at both the blue skies and the passing showers. Like everything else, this virus will come to pass, and we will move on with all we need to do in the months ahead. Till then, stay safe and stay well my friends.

‘It is not given to us to know which acts or by whom, will cause the critical mass to tip toward an enduring good. What is needed for dramatic change is an accumulation of acts, adding, adding to, adding more, continuing’ - Clarissa Pinkola Estes

Special Interest Group (SIG) Corner
Friday, April 24th would have been when our SIGs gathered to meet in Fort Worth, TX in conjunction with our annual meeting. Some of them chose to hold their meetings virtually instead, and you are invited to view the recorded sessions on our website. Click one of our links below to check them out!

- PES DSD SIG
- PES Transgender Health SIG
- PES Lipid SIG
- PES TRENDS SIG

If you are interested in any SIG participation, we encourage you to reach out to the respective chair(s) and learn how to get involved!

NEW Rare Disorder SIG Call for Leadership!
The PES is inviting any interested members to join together in creating a new SIG that will focus on rare disorders in pediatric endocrinology. Previously several interested individuals that were part of the Drugs and Therapeutics Committee expressed their interest in developing such a group that would concentrate on those endocrine disorders of extreme rarity in an attempt to educate colleagues, become a forum for discussion of challenging patients, and possibly be a platform for collaborative research.

Contact staff at info@pedsendo.org if you are interested in learning more about creating a rare disorders SIG.

External Grant Opportunities
Check out our website for a listing of new external grant opportunities!
https://www.pedsendo.org/research_awards/grants/index.cfm
Pediatric Subspecialty Loan Repayment Program (PSLRP) Bill UPDATE:
We would like to share with you the good news that Congress has passed a bill reauthorizing the Pediatric Subspecialty Loan Repayment Program (PSLRP). However, in order to ensure that this initiative is funded (for the very first time), which may be challenging given the current crisis and other competing priorities, each of us needs to reach out to our representatives to request that this funding be prioritized. Please see details below from the AAP. You can access the site to contact your representatives at https://federaladvocacy.aap.org – click on “Support Children's Access to Specialty Care” under Our Issues. If you are not a member of the AAP, you can also go to: https://www.usa.gov/elected-officials to locate your U.S. Representatives’ and Senators’ contact information.

Amazon Smile
Doing online shopping during the quarantine? Already an Amazon shopper? Donating back to PES is easy! Just to go to Go to smile.amazon.com/ch/23-7283008 and Amazon donates to Pediatric Endocrine Society.

Our Latest Survey:
Practice Patterns Related to Radioactive Iodine Use in Pediatric Thyroid Carcinoma
Corresponding Author: Jonathan Wasserman

Please consider completing a brief survey (<15 minutes) to help understand more about practice patterns related to Radioactive Iodine therapy for children and adolescents with Differentiated Thyroid Carcinoma. Click here to complete the survey:

Redcap link: https://redcapexternal.research.sickkids.ca/surveys/?s=7YJP49CCDT

Deadline for Submission is Friday, May 22, 2020.

New Meds and Tech from PES Drugs and Therapeutics Committee

Possible limitations in supply of hydrocortisone tablets
Prepared by: Christine Yu, MD and Amit Lahoti, MD

There have been several reports of shortages of hydrocortisone tablets, especially the 5 mg strength in recent months. At least some of these shortages may be related to disruption in supply chains due to the COVID-19 pandemic, although increased usage/demand cannot be ruled out. Higher strength tablets (e.g. 10 mg hydrocortisone) or compounded medications are still available, but are not always good alternatives. Patients should plan refills ahead of time to avoid gaps in therapy which can be life-threatening. Pharmacies may need to explore alternative manufacturers/suppliers as this is an evolving situation.

CLICK HERE FOR FULL DETAILS

Riomet ER™
Prepared by: Ryan Miller MD, and Amit Lahoti MD

Riomet ER™ (metformin hydrochloride for extended-release oral suspension) was approved by the U.S. Food and Drug Administration (USFDA) on August 29, 2019 and became available in the US the end of February, 2020.

Riomet ER™ is dosed once daily and is currently the only FDA-approved liquid formulation of extended-release metformin. This may be an option for patients who are unable to swallow tablets and have gastrointestinal intolerance to immediate release preparations.

For further details view the full document
Call for Applications for PES International Scholar Award for 2021
1. Central America and The Caribbean
2. International
APPLICATION DEADLINE August 31, 2020

Do you know a young pediatrician or pediatric endocrinologist in a resource limited country who would like to gain experience or specific skills in your clinic or lab? Are you interested in hosting such a person at your institution?

The PES is now accepting applications for the PES International Scholar Award. PES will award two (2) scholarships: one for the applicants from Central America and Caribbean and the other for the applicants from the rest of the world.
The award is designed to allow for pediatric colleagues interested in endocrinology from foreign countries to visit and work in the clinics and/or laboratories of PES members, and to attend the PES annual meeting, with a particular goal of helping younger colleagues and individuals from countries with disadvantaged economies.

For additional details and information on the award please visit PES site: https://www.pedsendo.org/research_awards/international_scholars/index.cfm

The deadline for applications is August 31, 2020 for 2021 awards for the applicant to be in North America in the spring of 2021.

Jadranka Popovic MD
Chair; PES International Scholars Program Committee

Canadian Journal of Diabetes: Call for articles

We would like to invite you to submit an article to the Canadian Journal of Diabetes for a special “Diabetes in Children” themed issue planned for July 2021. The Canadian Journal of Diabetes is a peer-reviewed, interdisciplinary journal for diabetes health-care professionals and is indexed in MEDLINE® and PubMed®.

On behalf of the Journal, we would like to invite you to submit an article for this special issue. Please visit our website (www.canadianjournalofdiabetes.com) for more information and instructions for authors. Note: articles that are accepted for this special edition will be registered in PubMed and fully citable approximately one month after the final draft is accepted for publication.

In order to meet our publishing deadlines, the manuscript would be due by October 31, 2020. Manuscripts can be submitted online at https://www.editorialmanager.com/cjd/.

If you intend to submit, please contact Alarica Fernandes at cjd@diabetes.ca with your potential topic by August 31, 2020.

Please note that the Canadian Journal of Diabetes is a refereed journal and all manuscripts are subject to external peer review prior to acceptance and publication. You may be asked to revise and resubmit your manuscript based on reviewer comments. We would very much like to include your article in the special-themed issue of the Canadian Journal of Diabetes. Thank you very much for considering this request. Please do not hesitate to contact us should you have any questions.

We look forward to hearing from you!

Sincerely,
Dr. Meranda Nakhla
Dr. Rayzel Shulman
Dr. Linda DiMeglio
Dr. Elizabeth Sellers
And the winner is…..

Congratulations!

2020 Human Growth Foundation Award
“Growth Hormone Responses to Stimulation Tests in Children with Short Stature with and without ADHD” Dr. Obiageli Obi, MD UMMS- Baystate Medical Center

2020 Leona Cuttler Quality Assurance award in Pediatric Endocrinology
for your abstract entitled “Improving Diabetes Clinic Flow & Patient and Staff Satisfaction” Alissa Guarneri, MD Section of Endocrinology, Metabolism & Diabetes, Nationwide Children's Hospital

2020 Karger Journal Prizes:
- Best novel insight paper from North America published in Hormone Research in Paediatrics (HRP) in 2020 - “Case Series: Minocycline-Associated Thyroiditis”
  Kate Millington, MD, Boston Children’s Hospital
- Best original paper from North America published in Hormone Research in Paediatrics (HRP) in 2020- “Targeted Searches of the Electronic Health Record and Genomics Identify an Etiology in Three Patients with Short Stature and High IGF-I Levels”
  Catalina Cabera-Salcedo, MD, University of Louisville

2020 RFA and CSA Awards:
Research Fellowship Award Recipients:
Jennifer Ladd, MD; McGill University/Montreal Children’s Hospital
Application title: The Effect of Socioeconomic Status and Glycemic Control on Technology Uptake Among Canadian Children and Adolescents with Type 1 Diabetes: Findings from the CAPACITY Consortium

Jia Zhu, MD; Boston Children’s Hospital
Application title: Dissecting PCOS Physiology by Defining Phenotypes Associated with PCOS Genetic Risk Factors in Men and Children

Clinical Scholar Recipients:
Janet Lee, MD; University of California, San Francisco
Application title: Bone density, structure, and estimated strength in gender diverse youth initiating gender-affirming therapy in early puberty

Elizabeth Rosenfeld, MD; Children’s Hospital of Philadelphia
Application title: Leveraging Novel Neuroimaging Techniques to Comprehensively Characterize Neurodevelopmental Differences in Congenital Hyperinsulinism

Jordan Sherwood, MD; Massachusetts General Hospital
Application title: Feasibility of Automated Glycemic Control of Cystic Fibrosis-Related Diabetes with the Bionic Pancreas in a Pediatric Cohort

Rising Star Award Recipients:
Svetlana Azova, MD - Boston Children's Hospital: Effects of Nutritional Ketosis on
Inflammation and Brain Health in Type 1 Diabetes Mellitus

**Ryan Brady, MD - Cincinnati Children’s Hospital Medical Center:** Prevalence, Characteristics and Complications of Celiac Disease/Autoimmunity in Type 1 Diabetes: the SEARCH for Diabetes in Youth Study

**Talia Hitt, MD - Children’s Hospital of Philadelphia:** Sleep Duration and Glycemic Control in Adolescents with Type 2 Diabetes Mellitus

**Kevin Scully, MD, Boston Children’s Hospital:** Continuous Glucose Monitoring in Cystic Fibrosis Patients Starting Triple Combination Therapy

**Anna Valentine, MD - Children’s Hospital Colorado and the Barbara Davis Center for Childhood Diabetes:** Prevalence, Characteristics and Complications of Celiac Disease/Autoimmunity in Type 1 Diabetes: the SEARCH for Diabetes in Youth Study

**PedsENDO Discovery 2020**

The inaugural PedsENDO Discovery Program was launched in 2019 as part of a multi-pronged approach to addressing the workforce shortage in pediatric endocrinology and was a tremendous success. We were able to award 4 medical students an opportunity to attend the PES/PAS meeting in Baltimore.

The enthusiasm for the program has grown! In 2020 we opened nominations and received well over 44 nominations! The board voted to fund 14 students and residents to attend the inaugural meeting in Fort Worth TX. Unfortunately due to the pandemic we were not able to host them as planned. However, the PedsEndo Discovery program was conducted virtually by Zoom on Friday, April 25th. Eleven of the 14 medical students selected from a large pool applicants were in attendance. The session was facilitated by six members of the PES Education Committee, who ranged from pediatric endocrine fellows to pediatric endocrinologists at various stages of their careers. The Zoom session began with a presentation on “Why become a Pediatric Endocrinologist” that described the many perks of being a pediatric endocrinologist, and reviewed possible career paths that may be pursued after completion of training. In the subsequent Q&A session, the students asked many insightful questions, and the session could, in fact, have gone on for hours! Some questions included “What are the most challenging and rewarding aspects of your career”, “How have you become involved with advocacy”, and “When in residency should you try to do your endocrine elective”. The six PES Education Committee members in attendance provided a variety of responses to these questions, which in turn sparked more conversation and additional questions. Overall, all agreed that the session was a huge success, and the students and PES Education Committee members were delighted that this same group will be invited to attend the PES conference in 2021.

**PES LEADERSHIP ADVANTAGE**

In the midst of social distancing, PES and The Malone Group have found a way to proceed with our annual PES Leadership Advantage workshop. This year’s module, INFLUENCE, is in full swing, converted from a six-hour live workshop into three weekly, two-hour virtual segments. We have a full “classroom” with technology making the program more accessible. The group is enjoying large group interaction and smaller chat sessions in virtual breakout rooms. Participants are practicing and enhancing their leadership skills from the comfort of their homes and offices.

There is more good news. PES Leadership Advantage will graduate five participants this year. Please join us in congratulating Ambika Ashraf, MD; Kathleen Bethin, MD; Julia Broussard, MD; Brandon Nathan, MD; and Jadranka Popovic, MD. Each will receive an
award in recognition of their exemplary completion of the four modules, INFLUENCE, ENGAGE, INSPIRE and ENVISION.

2021 IMPE Meeting:

September 25-28, 2021 - Buenos Aires, Argentina
International Meeting of Paediatric Endocrinology 2021

History Tidbit

T. Wingate Todd (1885-1938) and the Brush Foundation Record of Growth Changes in the Skeleton
Alan D. Rogol, MD, Ph.D

Wingate Todd was a British anatomist who became Professor of Anatomy at Western Reserve University. He is best known in pediatrics for his 1937 Atlas of Skeletal Maturity with 75 plates depicting individual “stages” in the ossification of the bones of the hand to provide standards. With the Brush Foundation he recorded an exact x-ray record of growth changes in bone with full clinical notes.

In 1920 he became director of the Hamann Museum of Comparative Anthropology and Anatomy which displayed skeletons (>2,400) with age, sex and race verified at death. This is the most complete set to show age changes (cranial sutures), the fusion of epiphyses (“bone age”) and the degree and nature of sex and ethnic differences.

Fellow Spotlight

Rayhan Lal, MD
Instructor, Pediatric Endocrinology and Diabetes at Stanford University

1. A. What is your current position/how do you spend your time? (fellow, assistant professor, etc) B. How did you get there? (background info, education etc)

I am junior faculty at Stanford working as an adult and pediatric endocrinologist in the departments of pediatrics and medicine. As an electrical engineer and computer scientist with type 1 diabetes, I gravitated towards diabetes technology research working with Dr. Bruce Buckingham. I am supported by the NIDDK, Stanford Maternal and Child Health
Research Institute and consult for several companies. On the clinical side I am working out a guided transfer program from the pediatric to adult world (https://www.ncbi.nlm.nih.gov/pubmed/32045296).

I grew up in the California Bay Area and have been enamored with computers for as long as I can remember. While growing up I developed type 1 diabetes. I took my regular and NPH for 5 years before switching to pumps and continued to live my life - I was set on being an engineer! In the interim my two younger sisters were enrolled in DPT-1 at Stanford and found to have multiple autoantibodies. I studied electrical engineering and computer science at U.C. Berkeley. Both my younger sisters eventually developed type 1, which altered my career path. To help all my brothers and sisters with diabetes, I pursued an MD at the University of California, Davis. I couldn't decide whether to take care of children or adults with diabetes and so I completed a four-year residency in internal medicine and pediatrics at the University of Southern California, working with the underserved at Los Angeles County Hospital. I then pursued a four-year fellowship in adult and pediatric endocrinology at Stanford. I am quadruple board certified in Internal Medicine, Pediatrics, Adult Endocrinology and Pediatric Endocrinology.

2. What are your interests? (clinical, research, educational, etc)

I test new commercial subcutaneous autonomous (closed loop) insulin delivery systems. Iterative improvements continue to advance these systems, which remain limited by the complex kinetics of insulin activity. This manifests as systems requiring meal announcements, favoring hypoglycemia or hyperglycemia, and then activating alarms when the user inevitably hits the opposite extreme. I collaborate with many members of the Stanford Diabetes Research Center, industry and open source diabetes community to overcome the technological and human factor limitations of existing devices. I love to teach and mentor, especially those classically underrepresented in STEM fields.

3. What inspired you to choose pediatric endocrinology as a career?

Like many in the diabetes space, it was really when my siblings both developed type 1 that I changed career paths and became a physician-scientist.

4. Were there any mentors that were particularly inspiring to you along the way?

My primary mentor and inspiration is Bruce Buckingham. He has spent every waking hour pushing diabetes technology forward. Marina Basina, my adult endocrinology mentor is another one of the hardest workers I have ever met. She gives everything she has to the care of her patients. David Maahs, the division chief of pediatric endocrinology, set up a K12 to make sure I was able to stay on as faculty. I am privileged to have so many brilliant minds for advice who include - Professors Darrell Wilson, Laura Bachrach, Kirk Neely, Korey Hood, Diane Stafford, Rick Kraemer, Larry Katznelson and Andy Hoffman.

5. Do you care to share any experiences that helped shape your current career path?

I provide care to over 600 users of open source diabetes technology. It has taught me
what the diabetes community can do when united in common cause. All the data is streamed to me seamlessly via NightScout and I can manage everyone remotely by text without the need for them to upload. The ideals of transparency, openness and ethics inspire me to push for these same principals in commercial products.

Sincerely,

Madhu Misra, MD, MPH
PES President

Philippe Backeljauw, MD
PES Board Member