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I. Introduction

The ISPAD Executive Board is honoured to present the Annual Report of the Society for 2018-2019. The report will be presented at the Annual Conference of the International Society for Pediatric and Adolescent Diabetes also known as ISPAD 2019. The Society thrives on its membership and we are grateful for your views and comments, together with ideas on how to take ISPAD forward in the coming year.

Kim Donaghue
President

David M Maahs
Secretary General

Andrea Scaramuzza
Treasurer
II. Vision, Mission and Values

Globally, diabetes is a disease in evolution affecting more and more children and adolescents. ISPAD is a professional organization whose aims are to promote clinical and basic science, education and advocacy in childhood and adolescent diabetes. The strength of ISPAD lies in the scientific and clinical expertise of its members regarding all aspects of diabetes in children, adolescents and young adults. ISPAD is the only international society focusing specifically on all types of childhood diabetes.

Our Vision
A better world for children, adolescents and young adults with diabetes.

Our Mission
To bring together professionals from various disciplines with an interest in clinical care, science, education and advocacy to prevent, treat or cure all forms of diabetes in youth by promoting networking and collaboration. Our aims are:

- To ensure appropriate treatment is available and especially insulin, self-monitoring equipment and all vital supplies required for diabetes care
- To increase awareness of all types of diabetes and prevent delayed diagnosis
- To reduce the morbidity and mortality caused by acute and chronic complications
- To ensure education of youth, families and other caregivers
- To promote education of diabetes healthcare teams worldwide
- To foster diabetes research
- To prepare and disseminate clinical practice guidelines and standards

Our Values
Excellence
in care based on rigorous and ethical research with respect for the individual child, adolescent and family and by creating, evaluating and disseminating diabetes knowledge.

Collaboration
with national and international patient and professional organizations, healthcare providers, policy makers and companies that make products or provide services for youth with diabetes.

Advocacy
for children and caregivers to improve awareness that diabetes is different for children than for adults, to end discrimination based on a child’s diabetes, to ensure that proper diabetes care is available in all schools, and to obtain increased funding for diabetes treatment, research and prevention.
III. ISPAD Officers

Executive Board Members
Kim Donaghue, MBBS, PhD, Australia  
*President*

David Maahs, MD, PhD, United States  
*Secretary General*

Andrea Scaramuzza, MD, Italy  
*Treasurer*

Joseph Wolfsdorf, MB BCh, United States  
*Past President*

Jamie Wood, MD, United States  
*Director of Communications*

Lars Krogvold, MD, PhD  
*Treasurer-elect*

Advisory Council Members
Katarzyna Gajewska  
*Ireland*

Anna Lindholm Olinder  
*Sweden*

Eda Cengiz  
*United States*

Francesca Annan  
*United Kingdom*

Peter Adolfsson  
*Sweden*

Linda Anne DiMeglio  
*United States*

Ingrid Libman  
*United States*

Sarah Ehtisham  
*U.A.E.*

Declan Cody  
*Ireland*

Farid Mahmud  
*Canada*

Valentino Cherubini  
*Italy*

Asma Deeb  
*U.A.E.*

Thomas Kapellen  
*Germany*

Communications Board Members
Jamie Wood  
*United States*

Kate Gajewska  
*Ireland*

Sarah Ehtisham  
*U.A.E.*

Roque Cardona-Hernandez  
*Spain*

Farid Mahmud  
*Canada*

Anna Lindholm-Olinder  
*Sweden*

Social Media Chair
Roque Cardona-Hernandez  
*Spain*

Corporate Relations Advisor
Sylvia Lion  
*France*

ISPAD Historian
Stuart Brink  
*United States*
IV. ISPAD President’s Report
   by Kim C Donaghue

I succeeded Joseph Wolfsdorf as the 16th ISPAD President after the very successful ISPAD Meeting in Hyderabad in October 2018. I am greatly privileged to take over after such clear-sighted leadership.

Important strategic milestones have been achieved this year, thanks to the very talented and capable Secretary General, David Maahs, enthusiastic Executive Board and Sylvia Lion, our extraordinary Corporate Advisory Director, facilitated expertly by our management association, KIT.

ISPAD met formally with representatives from the Diabetes Online Community in February 21st in Berlin with further meetings facilitated by Children With Diabetes and other ISPAD friends. We had welcomed Diabetes Advocacy groups to participate in the meeting in India, and in 2019 will also welcome a new category of registrants, the Diabetes Advocates, to Boston. They help publicize our mission, our strategies and of course are great inspiration to the cause of childhood and adolescent diabetes. We have a strong communications platform thanks to our Communication Director (Jamie Wood) and her team.

In February 20th in Berlin we welcomed our Corporate Members and Sponsors to our first ISPAD Corporate Advisory Board held during our Winter Executive Meeting. The second meeting is scheduled ahead of our annual scientific meeting in Boston. Together they will help us undertake the work and advise on Strategy as we move forward.

The viability of ISPAD is assured with the further development of the JENIOUS Group, (their age being less than 40 years). The JENIOUS group is named “Juniors in Educational Networking and International Research Opportunities United Sessions” and has mentoring sessions with seniors within our Membership. Formalization of their Leadership has developed with recent elections.

This year has also seen the expansion of our collaboration with JDRF: increase in Drash Fellowships and Research Fellowships and support for our Science School. We are launching the Global Collaboration with greater advocacy and tools for change and access to improve outcomes for children, adolescents and young people with type 1 diabetes globally.

Life For A Child (LFAC www.lfacinternational.org) now has 3 ISPAD members on its Steering Committee (Ragnar Hanas, Julia von Oettingen and Graham Ogle). ISPAD is pleased to support their great work, and welcomes a special group of health professionals from Central America to our meeting in Boston.
Finally our membership is becoming stronger and more diverse with 1215 members from 97 countries: 14% from low and lower middle income countries; and 28% nonphysicians. Special Interest Groups meet at our annual meetings; and interest in our Science Schools remains very strong.

Kim C Donaghue
President 2018-2020
V. ISPAD Secretary General’s Report

by David M Maahs

2018-2019 - Another year with numerous activities by ISPAD members around the globe!

Diabetes care for children, adolescents and young adults is moving forward, although much work remains to be done. The ISPAD website and this report highlights the exciting and important work by ISPAD over the past year in collaboration with our many partners worldwide. I continue to be amazed by the dedication of ISPAD members to our common goals remembering that this work on behalf of ISPAD is done on a volunteer basis.

Numerous educational courses were held in the past year. In particular, I wish to highlight the Science School for Physicians and the Science School for Healthcare Professionals. We thank the numerous faculty and organizers for their work and the attendees for enthusiasm and interest in a career in Pediatric Diabetes in the many different professional capacities that our patients and families require for clinical care and advances in research and education.

We also thank the many professional organizations with whom ISPAD collaborates. In addition, our corporate partners have generously contributed again to the mission of ISPAD to allow for additional work to achieve our goals.

Communication, education, harmonization and collaboration are some of the key words describing ISPAD. Already many ISPAD members are involved in these and other supportive activities, helping the Society to achieve its vision, the creation of:

_A better world for children, adolescents and young adults with diabetes._

Organisation

During the general meeting in Innsbruck, new members were elected to the Advisory Council. Declan Cody, Sarah Ehtisham, Ingrid Libman, Farid Mahmud, and Katarzyna Gajewska joined the Council. All leaving members of Council are gratefully acknowledged for their support and contributions. We also appreciate the continued work of Jamie Wood as the Director of Communications for the past year.

Since the membership endorsed -by electronic vote- the Revised Document on the Advisory Council (AGM 2015, increase in number of advisory council members from 8 to 13, increase possible global representation and duration in office from 2 to 3 years, regular written reports on local/international activities), the Executive Board has revised the Articles of Association, implementing the Revised Document and removing pre-existing inconsistencies. After approval by the membership, this legal document was submitted to the Companies House (UK). We will welcome an additional 3 members to the Advisory Council at the meeting in Boston as well as a President-elect and Secretary-General-elect as a result of the current elections.
I would like to acknowledge the excellent work and close collaboration with our management group, K.I.T. Group GmbH. Without their management of the Society’s affairs and organizational help for the Conference, ISPAD would not thrive as it currently does. Additionally, on behalf of the Executive Committee I extend a special word of appreciation to Sylvia Lion, a long-time ISPAD member and supporter, who has generously donated her time and expertise to help us develop a more robust corporate strategy and financial accounting system with the goal of keeping our society healthy as we expand for the future. In the past year, Sylvia helped us organize ISPAD’s first Corporate Advisory Board meeting, an important initiative for ISPAD’s future.

Communication and teamwork are two key topics of the society and I would like to recognize the huge amount work done over the past year by Jamie Wood. For the social media several members have been very much involved and Roque Cardona Hernandez assumed the lead of this very active group.

The close collaboration with the current Advisory Council members has been a great pleasure and many activities - as you will see in this report - have been achieved thanks to their input, their advice and feedback! Projects undertaken by the Advisory Council has increased A warm thanks to Eda Cengiz, Valentino Cherubini, Francesca Annan, Anna Lindholm-Olinder, Peter Adolfsson, Asma Deeb, Linda Dimeglio, Thomas Kapellen, Declan Cody, Sarah Ehtisham, Ingrid Libman, Farid Mahmud, and Katarzyna Gajewska.

Finally, I would like to express my thanks to my colleagues, members of the Executive Board, President Kim Donaghue, who has led ISPAD as we expand and update our logistics for a larger and more internationally representative society. Andrea Scaramuzza has addressed the accounts and will be missed next year as we will miss the wisdom of Past-President Joseph Wolfsdorf. Lars Krogvold will step up this year as ISPAD Treasurer after a year of on the job training.

ISPAD will continue to have strong leadership in the next year with the transition to have both a new President, Carine de Beaufort, and Secretary-General elect, Jamie Wood. ISPAD’s future is in good hands and we look forward to continued work together for a better world for children, adolescents, and young adults with diabetes worldwide.

David M Maahs
Secretary General 2016-2020
Prizes 2019

Selection of the best candidates for prizes and fellowships in 2019 was a difficult task due to the high quality of the candidates. The following outstanding persons will receive their award at the Annual Conference:

**ISPAD Prize of Achievement 2019**

Kindly supported by Eli Lilly

**GEORGEANNA J. KLINGENSMITH, MD**
Professor Emerita, Pediatrics, University of Colorado School of Medicine

Dr. Klingensmith’s major focus of study has been the epidemiology and outcomes of care in type 1 diabetes beginning in the 1980s with the Colorado Diabetes Registry which expanded into the national SEARCH for Diabetes study. SEARCH documented the increasing rate of both type 1 and type 2 diabetes in children <20 in the US. She has been especially interested in studies that provide US benchmark data for diabetes care and she has highlighted ethnic and racial disparities in T1D care and outcomes, first in SEARCH and then in the T1D Exchange. She has explored many aspects of diabetes care and outcomes including the importance of quality of life and behavioral health in children and their parents. She also participated in epidemiology and outcome studies of type 2 diabetes in youth, both in SEARCH and as a co-investigator for the TODAY trial. She is now the Vice-Chair of the Pediatric Diabetes Consortium, a 60-center consortium focused on completing trials of newer medications for FDA and EMA approval to provide better therapeutic options for adolescents with T2D.

Dr. Klingensmith has been a co-investigator in the BDC DAISY study. DAISY was one of the first studies to evaluate risk factors for autoimmunity and for progression to T1D in children in the general population and those with a family member with T1D. The DAISY study, along with BabyDiab and DIPP, documented that once two diabetes autoantibodies develop, progression to T1D is inevitable, regardless of family history, opening immune-intervention trials to more participants.

For over 20 years Dr. Klingensmith’s passion has been training fellows and junior faculty in pediatric endocrinology. She has been the PI for NIH funded K12 and T32 awards to train faculty and fellows in diabetes research and leadership skills. Her mentees are taking their place at all academic ranks as the new leaders in academic medicine. They have become endocrinology section heads and excellent mentors themselves, a sure measure of her success in developing the leaders of today and tomorrow.

She has been a member of the editorial and the writing committees for multiple American Diabetes Association and ISPAD Clinical Care Guidelines for both type 1 and type 2 diabetes. She has served on many committees for both ISPAD and the ADA.
Lestradet Prize for Education and Advocacy 2019

Kindly supported by the organization: Children with Diabetes

GRAHAM OGLE

Graham Ogle is a paediatric endocrinologist based in Sydney, Australia. He works for Diabetes NSW as General Manager for the Life for a Child Program, and is an Adjunct Professor at the University of Sydney.

Graham graduated from the University of Sydney, and trained in paediatric endocrinology, doing research in growth and body composition. In the 1990s he lived in Papua New Guinea and in Cambodia working with the charity HOPE worldwide. From 2000-2012 he continued to oversee various health and education programs in PNG.

Life for a Child commenced in 2001. The program, based at Diabetes NSW in Sydney, supports the care of 21,000 children and youth with diabetes in 42 countries. Support is provided directly to existing diabetes services. The aim is to provide the best possible care, given local circumstances, to all children and youth with diabetes, with the vision that no child should die of diabetes.

Graham was awarded the Harold Rifkin Award for Distinguished International Service in the Cause of Diabetes by the American Diabetes Association in 2013. He has research interests in diabetes epidemiology, access to care, and other issues related to diabetes in less-resourced countries.

ISPAD Prize for Innovation in Pediatric Diabetes Care 2019

Kindly supported by Novo Nordisk

PETER GOSS, MB, BS, FRACP

General Paediatrician and Diabetes Specialist

Peter accepted the challenge of creating the first specialist paediatric service in Eastern Victoria, Australia, in 1989 after completing postgraduate training at Royal Children’s Hospital Melbourne. Now based in Geelong, Peter and his diabetes educator wife Jenny manage many young people with diabetes. Their “Team Diabetes” success has seen diabetes practice expansion to Melbourne with outreach diabetes service delivery to Eastern Victoria.

Peter is passionate about quality diabetes service provision to regional Australia and was awarded the 2019 Royal Australasian College of Physicians medal for outstanding clinical service to rural and remote areas.
Peter has been a champion of rural patient advocacy and empowerment representing the Australian Paediatric Society (APS) in many official roles. Peter’s energy in innovation has included telemedicine, multidisciplinary diabetes team development and introduction of insulin pumps and continuous glucose monitoring into regional Australia. Peter has co-organized and coordinated the successful annual APS / ISPAD diabetes workshops promoting ISPAD standards to Australian diabetes teams.

Peter’s paediatric experience and successful management of complex chronic disease in schools led to the development of the world-first concept of diabetes e-learning courses for schools based on ISPAD guidelines using a proven learning platform. Peter led a team of local and international diabetes experts, parents, teachers and adolescents to create no-cost e-learning courses to augment individualized training of school personnel by parents and treating teams. Thousands of e-learning courses have been successfully completed via the T1D Learning Centre. [www.t1d.org.au](http://www.t1d.org.au)

Peter’s experience, research, advocacy and exposure to legal expertise in school obligations to provide optimal diabetes management at school led to co-authoring 2018 ISPAD Diabetes in Schools Clinical Consensus Guidelines and Position Statement.

Peter proudly accepts the ISPAD prize for innovation on behalf of the team of contributors to the successful T1D e-learning school modules. Peter continues to fearlessly advocate for rights and needs of parents and children with diabetes.

**ISPAD Young Investigator Prize 2019**

Kindly supported by Medtronic

**GREG FORLENZA**

Dr. Forlenza is a pediatric endocrinologist at The Barbara Davis Center at the University of Colorado Denver. He has been caring for children with type 1 diabetes for over 15 years. He obtained his undergraduate degree in chemistry at Georgia Tech, attended medical school and pediatrics residency at the University of Florida, and completed his fellowship in pediatric endocrinology at the University of Minnesota. He conducts research funded by the National Institutes of Health, the Juvenile Diabetes Research Foundation, the Helmsley Charitable Trust, the National Science Foundation, and the Cystic Fibrosis Foundation. He also conducts industry research funded by Medtronic, Tandem, Insulet, Dexcom, Abbott, and Lilly. His research is focused on the use of technology to improve the health and lifestyle of people with type 1 diabetes. He believes that increased use of automation and machine learning technologies can improve glycemic control, reduce burden, and improve the lifestyle for people with type 1 diabetes and their families.
ISPAD Hero Award 2019

DAVID PANZIRER

David Panzirer is a Trustee of The Leona M. and Harry B. Helmsley Charitable Trust. David is the grandson of Leona Helmsley and was appointed as both a Trustee and an Executor of the Helmsley estate upon her passing in 2007.

A former real estate executive, David’s personal passion – improving the lives of those with type 1 diabetes (T1D) – has led Helmsley to become the leading funder in the battle against T1D. Months before his grandmother’s death, David’s oldest child Morgan was diagnosed with the relentless autoimmune disease, followed more recently by his daughter Caroline’s diagnosis in 2017. David’s vision is for no parent to ever feel helpless in the face of a T1D diagnosis, which drives a targeted grantmaking program to fund innovative work with the potential to advance our understanding of the disease and improve the lives of those living with it today.

Taking on long-term, high-risk projects that others will not or cannot fund, Helmsley’s T1D Program strives to ease the burden of managing the disease while continuing to search for the elusive cure. David serves as a leader in fostering collaboration with all other funders in the space, such as NIDDK within the NIH, JDRF, the Diabetes Research Institute, and the American Diabetes Association, as well as stakeholders in industry, academia, private philanthropy, government, and patient communities.

Prior to joining the Helmsley Charitable Trust, David enjoyed a 10-year career in New York City as a commercial real estate broker. His knowledge of the city and deep understanding of the real estate business allowed him to develop a trail of success as Vice President of Leasing at RFR Realty, LLC. David previously spent five years working as a project manager and director of operations at several Helmsley entities. David began his career with a technical education in air conditioning, heating and refrigeration from the Lincoln Technical Institute, and takes great pride in every aspect of his fulfilling and wide-ranging career
Fellowships 2018

Allan Drash Clinical Fellowships 2018

Due to exceptional support from JDRF, ISPAD was able to award six Allan Drash Fellowships in 2018. Full reports of the fellows clearly show their impact, improving clinical experience and changing the way local care was organized on their return to their country of origin.

Fellowship Reports

Dina Abdelmoneim Aly Fawzy was awarded the Allan Drash Clinical Fellowship for 2018

Dina Abdelmoneim Aly Fawzy was born on 15th November 1988 in Alexandria, Egypt. A Demonstrator of pediatric endocrinology and diabetology in Alexandria University Children's Hospital, Alexandria, Egypt. She graduated in 2012 from Faculty of Medicine, Alexandria University, Egypt. Completed her pediatric training residency in September 2017 and finished her credit hours of Master degree and now working on her thesis with title (Study of type 1 diabetic children patients attending diabetes clinic in Alexandria University Children's Hospital).

Dina has special interest in diabetes and its different and special types as her master’s degree thesis is under the title of: Study of Children with Type 1 Diabetes Mellitus of long duration attending Alexandria University Children’s Hospital. She feel very honored and benefited to have worked in a huge center as Alexandria University Children’s Hospital, which is the main Pediatric hospital in the North Coast Region, serves as a tertiary referral center for four governorates, it has an outpatient diabetes clinic, which enable me to diagnose and follow up the different types of diabetic patients in these governorates including post pancreatectomy diabetes, steroid induced diabetes –in children who are on long steroids treatment as leukemia, nephrotic syndrome and SLE- and cystic fibrosis related – diabetes.

Dina is a Member of several professional societies, both national and international, such as the ESDEP, the ESPE and the ISPAD. She has attended several international meetings, schools and courses as The 4th (ASPED - ESPE) School which was held in Abu Dhabi, UAE (14-16 December 2017), The 43rd Annual Conference of the ISPAD which was held in Innsbruck, Austria (18-21 October 2017), the Diabetes Postgraduate Course (3rd ISPAD/ASPED/LILLY) which was held in Dubai, also had attended the Practical Workshop on CSII, CGM& SAP in Managing Type 1 Diabetes Patients , (4th -6th May 2017), Sidra Medical and Research Centre, Doha, Qatar.

Thanks to those great opportunity and acquisitions of new experiences in dealing with different types of diabetes she returned with a great benefit and impact to her center, as a demonstrator and the youngest member in their diabetology team, which enabled her to transfer the new experience to her
junior residents and students, and has greatly affected the management plans and improve the quality of lives of the huge number of patients they serve.

- **Dina Fawzy Report**

**Dhivyalakshmi Jeevarathnam**

was awarded the Allan Drash Clinical Fellowship for 2018

Dr. Dhivyalakshmi Jeevarathnam, is a pediatric endocrinologist Practicing in Chennai, India. She completed her M.D (Pediatrics) from Safdarjung Hospital, New Delhi, India. During her pediatric residency her research paper won the award given by Indian Academy of Pediatrics. She had a keen interest in the field of Pediatric endocrinology and she joined her fellowship in pediatric endocrinology in Manipal Hospital, Bengaluru under the mentorship of Dr. Shaila Shamanur Bhattacharyya and Dr. N. Kavitha Bhat. During her fellowship, she developed a keen interest in the management of diabetic children and she was also in the organizing team of ISPAE 2013 (3rd biennial meeting of Indian Society for Pediatric and Adolescent Diabetes).

After completing her Pediatric endocrinology fellowship, she joined Sri Ramachandra Medical College and Research Institute as Assistant Professor in Department of Pediatrics. She started the Pediatric Endocrinology clinic in her Institute and she has been heading the Division of Pediatric Endocrinology since her joining. There are about 50 children with diabetes under her care till date. At present, there is no multidisciplinary team involved in the care of diabetes children and she is very much interested in establishing such a setup in her Institute.

She has attended several National and International conferences and has presented several posters and papers. She is an invited speaker for Regional and National conferences in India. She has authored several chapters in pediatric endocrinology in various pediatric textbooks. Teaching is always her passion and as an able person she has organized several workshops (growth module, Insulin therapy, etc.) and CMEs for postgraduates and practicing physicians. She has organized the first Nurses education program for pediatric diabetes in her Institute. For her various activities done in pediatric endocrinology, she was awarded "Dr. V. Balagopal Raju - Active Pediatrician Award" by Indian Academy of Pediatrics in 2017.

She always wanted to improve quality of care for diabetic children by establishing a cost-effective multidisciplinary team approach for these children in her Institute and by doing quality research work in pediatric diabetes. During her fellowship at Stanford University, she aims to learn about setting up and running a multidisciplinary team for diabetic children, advanced treatment methodologies like insulin pumps and CGMS, starting a research program in Type 1 diabetes and organizing a camp for diabetic children.

- **Dr. Dhivyalakshmi Jeevarathnam Fellowship Report**
Swati Sharma was awarded the Allan Drash Clinical Fellowship for 2018

Swati Sharma was born in the north Indian town of Meerut to a scientist father and home-maker mother. She was brought up in the beautiful Himalayan foothills city Dehradun, where she completed school. She was a bright student and excelled in academics and extra-curricular activities like chess (country level), badminton, debates and plays. Fascinated with the human mechanism, disappointed at the scarcity of medical professionals in India and encouraged by her younger brother, Swati pursued Bachelor's in Medicine and Surgery from VCSGGMS & RI, Srinagar Garhwal, Uttarakhand and Master’s in medicine from VPIMS, Lucknow, India. During post-graduation, she pursued various courses in Diabetes, Cardiovascular Diseases, Gestational Diabetes mellitus, Stroke and Echocardiography. Swati has worked on several research projects on Diabetes, Cardiovascular diseases and Polycystic Ovary Syndrome. She has participated and presented papers in various national and international conferences. Swati presented two oral presentations at The International Society of Gynecological Endocrinology (ISGE) The 18th World Congress held in Florence, Italy in March 2018. She is an active member of ISPAD, ISGE, AFPI, IJMS, etc.

Swati is an avid traveler and enjoys reading. Currently, she is practicing Medicine and Endocrinology with specific interest in Diabetes as Consultant Physician in Dehradun, India. She works to provide holistic quality care and support to her patients. Swati is dedicated to improving the standards of care, management and education of patients. She is delighted and excited for being awarded the prestigious ISPAD’s Allan Drash Fellowship 2018 and looks forward to pursuing it to enrich her knowledge for improved clinical skills, so she can serve patients and community in a better way.

• Swati Sharma Fellowship Report

Marie-Edelyne St. Jacques was awarded the Allan Drash Clinical Fellowship for 2018

Dr. Marie-Edelyne St. Jacques is a general pediatrician and working as an intensive care physician at the St Damien Hospital Tabarre, Haiti. As a member of the Haitian Pediatric Society, she also provides care at an outpatient volunteer clinic for underserved children headed by the St Joseph de Cluny Sisters.
Dr. St. Jacques obtained her medical degree in 2008 from the Faculty of Medicine and Pharmacy of the State University of Haiti, followed by a one-year social service at Our Lady of Nativity Hospital at a secondary health care center in Belladere, Haiti.

After one year of practicing as a general practitioner, her love for children and the desire to help children and families coping with health issues brought her to pursue further training in pediatrics. She completed her pediatric residency at the State University Hospital and was nominated chief resident in her final year. Following completion of her residency, she complemented her training in Haiti with a two-month observership at the Cardinal Glennon Hospital at Missouri, USA.

As one of her areas of interest since her residency, Dr. St. Jacques has been teaching as an assistant professor at the State University Medical School and the Medical School of University Notre Dame of Haiti.

As a critical care provider in a low-resource country without any pediatric endocrinologists Dr. St. Jacques is frequently faced with severely ill children with complicated endocrine issues including diabetic ketoacidosis. While striving to provide them with the best quality of care in spite of the local limitations, she has started to implement education for patients with diabetes and their families after diagnosis, helping them to manage their condition and prevent recurrence of ketoacidosis.

Since learning about the Pediatric Endocrinology Education Program for Haiti (a program aimed at implementing pediatric endocrinology in Haiti) she regularly participates in pediatric endocrine and diabetes training sessions. By completing ISPAD's Allan Drash fellowship, Dr. St. Jacques aims to increase her knowledge in diabetes management in order to contribute to improve quality of life for children with diabetes in her country, working towards equitable care and social justice.

- Dr Marie Edelyne ST JACQUES Report

Ysnel Victor was awarded the Allan Drash Clinical Fellowship for 2018

Ysnel Victor has been a social worker with Kay Mackenson since May 2017. He was previously a social worker in centers for orphaned and needy children and adolescents.

Born July 10, 1984 in Pestel, Haiti, from a very modest family with 3 children of which he is the eldest. In Pestel, he spent his first 15 years with their grandparents. After primary school in 1999, he entered Port-au-Prince to pursue classical studies. In 2005, he graduated Bacc I and in 2006, he completed the classical studies by obtaining the bacc II diploma. At that time, there were two baccalaureate degrees in Haiti: Bacc I and Bacc II.

During the year 2006, he entered the Faculty of Human Sciences of the State University of Haiti, on the basis of competition, to study social work for 4 years. Because he has always been passionate about the humanities and social sciences. During this study, he developed an affinity for psychosocial
development and child protection. For example, after studying social work in 2010, the year of obtaining a certificate in the profession, he turned to the Faculty of Law and Economics to study law or obtained his certificate in 2014 for better understand child protection.

In 2013, given his passion and interest in psychosocial development and child protection, he chose to do his social work internship in a reception center for orphaned and needy children. He did a very good internship. As a result, the institution hired him as a social worker for children, youth and their families. As a social worker with Kay Mackenson, he works with children and youth with diabetes, who sometimes have difficulty caring for their diabetes because of strong emotions. He is there to help them, and their parents find ways to stay healthy with diabetes. He is a researcher and co-principal investigator in two diabetes research projects. He also writes an exit thesis for the legal sciences.

- **Report will be provided by June 2020**

Reshma Bananki Vijay

**was awarded the Allan Drash Clinical Fellowship for 2018**

Reshma Bananki Vijay was born in a very humble, compassionate, middle class, hardworking agriculture family on May 15th in a small town. She was first among 4 children. As her parents lived in a village, very good education was not accessible, and her father always wanted to give best education to his kids. She had to be sent away from home to a small town at Age 4. This made her very responsible from a young age. Even though people in villages gave much importance to Boys more than girls, her father never discriminated. He had a dream that she should be a Doctor and peruse her higher education in international college. Reshma was very fortunate to get good education from best Schools and college and was one of the best students always supported by her teachers and friends for her enthusiasm in studies. She started dreaming from young age to be a Doctor.

- **Education**: Bachelor of Medicine and Bachelor of Surgery (MBBS); Rajiv Gandhi University of Health Sciences, Bangalore, India. Fellow, Endocrinology, Diabetes and Metabolism; Samatvam Institute of Medical Sciences and affiliated hospitals, Bangalore, India.

- **Currently**: Consultant and Faculty: Diabetes Endocrinology Medicine [Special interest: Pediatric Diabetes Endocrinology], Samatvam Endocrinology Diabetes Center and Jnana Sanjeevini Diabetes Hospital and Medical Center, affiliated Hospitals, Bangalore, India; Honorary Consultant: Diabetes Endocrinology, DISHA DOSTI FREE Diabetes Clinic for the Poor, Bangalore, India (CDIC LFAC NOVO);

Investigator, Clinical Research (National and International), Jnana Sanjeevini and Samatvam Diabetes and Endocrinology Hospital, Bangalore, India.
Reshma’s interests in serving patients and giving them best care always kept her interested in reading and acquiring more knowledge. Making accurate diagnosis and giving right treatment gives her utmost happiness.

The following are her guiding life principles as a humble doctor and scientist trying to give her best to people and society:

“A Doctor is a student till his death; when he fails to be a student, he dies.” - Sir William Osler
• “Live as if you were to die tomorrow. Learn as if you were to live forever.” - Mahatma Gandhi

Reshma is married to an engineer business man and entrepreneur. She and her husband are proud parents of twin boys 14 years studying in 9th grade.

- Dr. Reshma Bananki Vijay Fellowship Report

JDRF-ISPAD Research Fellowships 2018

Again, due to the generous support and partnership of JDRF, we were able to award 4 research fellowships in 2018. One of the 4 research fellowships was awarded to the best Science School for Physicians presentation at the Science School convened by Dr Tatsuhiko Urakami in Japan and voted upon by the Science School faculty including JDRF representation. The additional 3 research fellowship awards were granted thanks to the generosity of JDRF after evaluation by the ISPAD AC committee with a deadline of submission of October 15, 2018.

Edson Rwagasore was awarded the ISPAD JDRF Fellowship for 2018

Dr Rwagasore Edson MD, Msc Epi (born 28 July 1985) is a Diabetes senior specialist in Rwanda Biomedical Center, which is the implementing entity of the Ministry of Health. Since 2012 his work focuses on designing and implementing interventions that ensure improved access to quality, affordable and sustainable services for prevention and treatment of Diabetes in Rwanda. His growing interest in the use of data to improve quality of care and efficient use of resources led him to build his competencies in epidemiology and biostatistics. Since 2015 he has been playing key role in Improving access to diabetes care by establishing nurse led NCDs clinics at primary health care level. He is currently dedicated to coordinate the countrywide diabetes screening in the Car Free Day model that is envisaged to improve early detection for diabetes in Rwanda.

Dr Rwagasore is the Principle Investigator of the ongoing research project “Establishing Diabetes Registry to improve quality care for Type 1 Diabetes in developing countries” that received JDRF-ISPAD research fellowship award during the ISPAD science school for physicians. He is also a co investigator.
of ongoing research project on Type 1 Diabetes and action research on Prevention of Diabetes in Rwanda.

Salwa Baki

was awarded the ISPAD JDRF Fellowship for 2018

SALWA BAKI, a Moroccan Endocrinologist practicing at Mokhtar Soussi Provincial Hospital, Taroudannt, Morocco. In 2016, she graduated from Medical University of Marrakesh, Endocrine and Diabetes Department.

She has also a diploma on the management of pituitary diseases from Paris Sud University and a diploma on fundamental and clinical Hormonology from Paris Descartes University.

In order to advance her skills and understanding of research methodology she participated in many scientific courses e.g. Robert Turner EASD Post-graduate Course, EASD Advanced Postgraduate Course in Clinical Diabetes, ISPAD Science School for Physician and many others. She has been an ophthalmologist resident for 3 years before changing her residency program.

During medical studies, results of her research work were presented during numerous domestic and international conferences (and received numerous conference awards in Groningen). Her main area of research is ophthalmic complications of diabetes and she published a Moroccan prediction model of diabetic retinopathy. She also works on the implementation of inborn errors metabolism diagnosis and management in the collaboration of the biochemistry Laboratory of Marrakesh Faculty of Medicine.

Her current research work focused on ophthalmic complications of type 1 diabetic patients. She is a member and founder of several medical and social associations and she is the vice president of the Moroccan Association of inborn errors of Metabolism.

Klemen Dovc

was awarded the ISPAD JDRF Fellowship for 2018

Professor Klemen Dovc, MD, PhD is a fellow in pediatric endocrinology at the UMC – University Children's Hospital Ljubljana, Slovenia. He received his medical training at the University of Ljubljana Faculty of Medicine, Slovenia, where he graduated in 2010 and was certified as a pediatrician in 2016. Under the mentorship of prof. Tadej Battelino he finished his PhD program with a thesis on “Regulation of Glucose Concentration Using Artificial Pancreas During and after Physical Activity” in 2017. From March to August 2018 he held the position of a visiting Postdoctoral Clinical Research Fellow in Prof Hovorka's Artificial Pancreas Group at the University of Cambridge, UK.
Dr Dovc’s clinical and scientific activities focus on diabetes management with state-of-the-art technology, particularly artificial pancreas glucose control. As a member of DREAM consortium (The Diabetes wiREless Artificial pancreas consortiuM) he was involved in several in-patient and outpatient clinical trials with hybrid and also fully closed-loop insulin delivery. Results of these studies were published in high impact journals (e.g. New England Journal of Medicine, Diabetologia, Diabetes care) and support the incorporation of this technology in unsupervised clinical practice in all age groups. He received JDRF-ISPAD Fellowship 2018 award for a research project “Association of glycemic variability and DNA methylation patterns with early signs of retinal and kidney damage in individuals with type 1 diabetes” in collaboration with another Center of Excellence, Kinder- und Jugendkrankenhaus Auf der Bult, Hannover, Germany, led by prof Thomas Danne.

Dr Dovc is an active member of the national and international pediatric scientific communities and one of the founders of the ISPAD Young Researchers Community – the JENIOUS group and he co-authored the sections of the ISPAD Clinical Practice Consensus Guidelines related to diabetes management in school.

Caroline Passone was awarded the ISPAD JDRF Fellowship for 2018

Caroline Passone, MD, was born in Sao Paulo (Brazil) on September 13th, 1985. She started her fellowship in Pediatrics in 2009, followed by the Pediatric Endocrinology fellowship in 2011 at University of Sao Paulo. In 2012, she joined a Master Program. The focus of her research throughout the program was the validation of a tool for diabetes self-management evaluation in Portuguese language. This project allowed her to take part in the ISPAD Research School for Physicians in Poland that year.

In 2013, her passion for type 1 diabetes led her to the Diabetes Center of Excellence- at University of Florida managed by Dr. Desmond Schatz and Dr. Michael Haller. During this time, she had the chance to learn from different clinical trials for type 1 diabetes prevention and management (TEDDY, Trialnet and T1D Exchange). When Dr. Passone returned to Brazil, she developed an important educational program with insulin pumps for type 1 Diabetes at University of Sao Paulo. Nowadays, she holds an assistant position in the pediatric endocrinology group, where she manages 14 fellows in all pediatric endocrinology clinics, which assist more than 600 patients per month.

Interestingly, another passion that has emerged in her career after her fellowship in Florida was the care for Prader Willi Syndrome. Since then, she has created a reference center in Brazil for the treatment of the disease.

From now on, after the generous support of the JDRF- ISPAD Research Fellowship, her next challenge will be in Paris. Dr Passone will pursue a research fellowship Program under the supervision of Dr.
Michel Polak and Jacques Beltrand (Necker Enfants Malades), working on an innovative approach to type 1 diabetes prevention, which involves gut mucosa changes and MAIT lymphocytes.

For additional details visit the website: [http://www.ispad.org/?page=ISPADFellowships](http://www.ispad.org/?page=ISPADFellowships)

**Science**

**ISPAD 2018 – 44th Annual Conference, October 11-14**

ISPAD members were welcomed by Local Conveners: Dr. Anju Virmani, Associate Director, Pediatric Endocrinology, Max, Pentamed & Sunderlal Jain Hospitals, Delhi and Dr. Banshi Saboo, Chairman & Chief Diabetologist, Dia Care - Diabetes Care & Hormone Clinic, Ahmedabad, India and the international organizing committee to the 44th annual ISPAD conference in Hyderabad, India. Past and current presidents of the Societies and the conference, together with local and international committees, organized an excellent meeting. As the motto of the conference “Reaching the Unreached” suggests, this scientific meeting included all aspects of Pediatric Diabetes and other metabolic related diseases focusing on education, reaching colleagues in Pediatric Diabetes in the region, and new technologies during four days of science, education and discussions which attracted a large audience. Our Annual Conference is one of the most important assets of the Society, with scientific highlights as well as many occasions to discuss during and outside of meeting hours and to develop new contacts and collaborations. Highlights of the conference have been prepared by the team of roving reporters and were published in Pediatric Diabetes Annual Conference 2018 Highlights by Priya Prahalad, Nilanjana Ray, Jenise C Wong, Cari Berget, Anna Lindholm Olinder, Jayanti J Rangasami, Bruce R King, Asma Deeb, Juliana Chizo Agwu.


Oral Presentations, Abstracts & ePosters from the conference can be viewed on ISPAD’s website at: [http://medialibrary.ispad.cyim.com/](http://medialibrary.ispad.cyim.com/) for those who could not attend in person to be informed. More details
Pediatric Diabetes

Since 2004, Pediatric Diabetes has been the official journal of our Society. Dr Phil Zeitler assumed the role of Editor-in-Chief in 2017 with Drs Fergus Cameron and Sabine Hofer as Associate Editors.

The Impact Factor continues to increase and was 3.347 in 2018, ranking the journal at the 12/124 position in general pediatric and as 59/145 in diabetes specific journals.

ISPAD is proud of this achievement and gratefully acknowledges the work of the Editors and staff and their ongoing commitment to pediatric diabetes. Editorial turnaround time continues to improve.

**Editorial turnaround time:**

<table>
<thead>
<tr>
<th>Median number of days (min-max)</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
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<tr>
<td>Submission to first decision</td>
<td>34 (0.0-138)</td>
<td>37 (0.4-136)</td>
<td>39 (0.3-181)</td>
</tr>
<tr>
<td>Submission to final decision</td>
<td>44 (0.0-307)</td>
<td>53 (0.4-369)</td>
<td>49 (0.3-294)</td>
</tr>
<tr>
<td>Submission to acceptance</td>
<td>95 (0.0-307)</td>
<td>105 (0.5-335)</td>
<td>101 (1.3-294)</td>
</tr>
</tbody>
</table>

All ISPAD members are invited to submit their best work to Pediatric Diabetes!

We take the opportunity to thank all contributors, the Editors and members of the Editorial Board, reviewers and the publisher for their support and assistance!
Education

ISPAD is grateful for the financial support of the sponsors, Novo Nordisk, Medtronic, Ascensia Terumo, and acknowledges with gratitude the passion and hard work of the conveners, Professors Andrea Scaramuzza and Carine de Beaufort, that ensured a successful Science School for Physicians.

More information can be found on:
https://www.ispad.org/page/Reportfromthe19thISPADScienceSchoolforPhysicians

ISPAD Science School for Physicians (SSP), September-October 2018 (Tokyo, Japan)

We invite pediatric endocrinology/diabetes fellows and early pediatric endocrinology/diabetes faculty from around the globe to attend the 18th annual ISPAD Science School for Physicians. The Science School will take place in Tokyo, Japan on September 30 - October 3, 2018. Professor Tatsuhiko Urakami convened the meeting. A full report will be available on the ISPAD website in due time. Initial report includes:

Venue: Shonan Village Center, Kanagawa, Japan; Convener: Professor Tatsuhiko Urakami, Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan. There were 26 Plenary Lectures, 25 Fellows Presentations, Group Discussions to Fellows Presentations, Japanese Culture Learning: “Japanese Calligraphy and Paper Craft,” and Farewell Dinner “Japanese IZAKAYA, in Zushi.”

More information can be found on: https://www.ispad.org/page/18thISPADSSP_Report

Science School for Health Professionals (SSHP), October, 2018 Hyderabad, India

More information can be found here:
JENIOUS

Juniors in Educational Networking and International Research Opportunities: United Sessions. Their objective is to connect young ISPAD members to the Society, and involve them in Education, Networking, Research and Advocacy. One of the first initiatives has been the development of an evaluation tool of the Science schools with a focus on the SSP. Their role as mentors for the fellows in the SSP has been highly appreciated.

Their intention is to create a unique, innovative platform to connect young physicians, residents, PhD students and other healthcare providers aged < 40 years is currently ongoing, fully endorsed by the ISPAD Executive Board. Their networking activities will start during ISPAD’s Annual Conference, where they will present their program for the coming years. The future success of ISPAD depends on the contributions of its young and dynamic membership. This initiative shows that ISPAD’s younger members are eager to be involved. We look forward to further collaboration with the JENIOUS group. A warm thanks to Elisa Giani, Chiara Mameli, Maddalena Macedoni, Roque Cardona-Hernandez, Klemen Dovc, creators and current leaders of JENIOUS, as well as to Dr Andrea Scaramuzza who has served as an advisor to the group. A JENIOUS symposium was held at the Hyderabad conference on mentoring led by Dr Phil Zeitler and in Boston with Dr Mark Sperling.

Various Post Graduate Courses in 2018-2019

Different postgraduate courses were organized with the support of ISPAD or ISPAD members. Although for some of them official reports have been submitted, this is not yet the case for all. To ensure that training is offered where needed, but to prevent redundancy we kindly request all members involved in these activities to keep us informed and to keep the membership informed.

For this purpose, a special link has been created on the website, with information on the regulation around these postgraduate courses, the forms to submit before and after the course, but as well a dedicated form for those who agree to participate as faculty.

To continue to offer postgraduate courses in many places around the globe, more tutors are needed who are fluent in different languages. If you are interested in organizing a postgraduate course or want to participate as a tutor, fill in the forms on the website, and check our current workshop guidelines,
developed in close collaboration with Life for a Child (Angie Middlehurst and Graham Ogle). See the links listed under “Standard procedures for ISPAD postgraduate courses” here: http://www.ispad.org/?page=ISPADPG

Postgraduate Courses

5th ASPED-ISPAD Lilly Diabetes Academy

11-13 April, 2019, Muscat, Sultanate of Oman

The 5th ASPED-ISPAD Lilly Diabetes Academy is an initiative by the Arab Society of Pediatric Endocrinology (ASPED) in collaboration with ISPAD and is exclusively sponsored by Lilly. This course is aimed for Pediatricians who have completed basic Pediatric training and are currently working in the field of Pediatric and Adolescent Diabetes in the Middle East.

Click here to read the summary

5th ISPAD-VAPES Postgraduate Course and Conference

April 11-13, 2019, Albena, Varna, Bulgaria

The Vth ISPAD/VAPES Postgraduate Course and Conference “DIABETES AND RARE DISEASES” will take place on April 11-13, 2019, in Varna, Bulgaria.

After the success of the 1st, 2nd, 3rd and 4th ISPAD Postgraduate Courses (2011, 2013, 2015 and 2017), we look forward to seeing many of you at this new edition.

Click here to read the report

LFAC/ISPAD Education & Training Workshop, 17-19 April 2018 (Tashkent, Uzbekistan)

A workshop was held in Uzbekistan from 17-19 April 2018 by LFAC and ISPAD. The workshop was very well-organised under the auspices of the local Association of Endocrinology and Diabetology of Uzbekistan, led by Professor Said Ismailov and his team.

Click here to read the report
Joint EASD/ISPAD/ESPE Postgraduate Education Course on Type 1 Diabetes in Children, Adolescents and Young Adults

22-24 November, 2018, Prague, Czech Republic

Participants will have a unique opportunity to listen to and interact with experts and researchers in the field of diabetes from all over Europe in an informal setting. During lectures and workshops, faculty members will share their knowledge and clinical experiences and participants will gain new insights in the treatment of type 1 diabetes and its complications.

Click here to read the report

Life for a Child (LFaC)

The Life for a Child Program is an international aid program that provides life-saving support to children and youth with diabetes in developing countries. The Program works with different partners and established diabetes centres in these countries. These centers will be provided with medical supplies for clinical treatment and with diabetes education to the children and youth in their care. Eli Lilly supports the program with free insulin. The program has now reached its 16th year and more than 18,000 children in 46 countries are currently supported by the Program. Different patient materials, translated in many languages are accessible on the LFaC website.

For many years, ISPAD has collaborated with LFaC in providing input for the educational materials for healthcare professionals (Pocketbook for health care professionals, faculty for postgraduate courses). To structure the set-up of post graduate courses, ISPAD developed in collaboration with LFaC a postgraduate course manual that is available on the ISPAD website.

The dedicated management, with Graham Ogle as Director, is based in Sydney, Australia.

www.lifeforachild.org

Changing Diabetes in Children (CDiC)

This initiative of Novo Nordisk in collaboration with Roche, the World Diabetes Foundation (WDF) and ISPAD has as target to improve delivery of care to children with type 1 diabetes in resource-poor settings. www.novonordisk.com/cdic
As of December 2014, more than 13,000 children had been enrolled and more than 6,000 healthcare professionals had participated in training sessions in diabetes management.

The program runs in nine countries in Sub-Saharan Africa and South-East Asia: Cameroon, Democratic Republic of Congo, Ethiopia, Guinea, Kenya, Tanzania and Uganda, Bangladesh and India.

The program was launched in 2009 and was expected to run until the end of 2017. In 2016 the decision has been taken to prolong the support of the current centers to 2020 and expand the program to 5 further countries. The new target for 2020 is to support up to 20,000 children.

Further training courses for teams will be planned, where needed.

ISPAD has been the partner in education of health care professionals and the development of educational materials for these postgraduate courses. Patient, and health care professional educational materials have been translated into different languages (Hindi and Spanish are the newest contributions) and are freely available through the website.

PETCA*/PETCWA**

*PETCA - Paediatric Endocrinology Training Centre for Africa
**PETCWA - Paediatric Endocrinology Training Centre West Africa

Together with ESPE, ISPAD is involved in the training of pediatric endocrinology and diabetes fellows in Nairobi and Lagos in Africa. The courses combine a clinical training in Pediatric Endocrinology and Diabetes as well as a research project. An oral and MCQ exam is taken at the end of the course.

Tutors are ISPAD or ESPE members, alternating with national colleagues. For both programs, endorsement by the respective universities is sought. From June 2016 onwards, Nairobi is in the process of becoming self-supporting. Lagos is completing their current mission. Currently over 60 fellows have graduated from Nairobi and 26 from Lagos. This has led to the establishment of clinical services in many African countries and several of the fellows have now become tutors and leaders in the field of pediatric diabetes in their own countries.

Fellows have published over 52 original papers on endocrine and diabetes topics, and their work has been presented at ASPAE, ESPE, ISPAD and other meetings. ASPAE has become a very active society in the African Continent, as is shown by the large number of attendees in Khartoum.

The success of this program depends on the dedicated organizing staff, and the WDF which has provided the initial funding. Dr Chizo Agwu has assumed ISPAD leadership as contact for the PETCA programs after years of service from Dr Ragnar Hanas. On behalf of ISPAD a warm thanks to all those as well as the tutors and the fellows!
ISPAD Clinical Practice Consensus Guidelines 2018 (CPCG)

ISPAD’s Clinical Practice Consensus Guidelines are the only comprehensive set of clinical recommendations for children, adolescents, and young adults with diabetes worldwide! Authors include experts from across the globe and a chapter on limited care for developing healthcare systems has also been developed.

The distribution of the ISPAD Guidelines 2018 at ISPAD 2018 was kindly supported by Lilly Diabetes (Lilly Diabetes had no influence on the contents or scope of the ISPAD Guidelines 2018).

Editors: Carlo L. Acerini, Ethel Codner, Maria E. Craig, Sabine E. Hofer and David M. Maahs (Editor in Chief)

- Editorial

ISPAD Clinical Practice Consensus Guidelines 2018: What is New in Diabetes Care?

Ethel Codner, Carlo L. Acerini, Maria E. Craig, Sabine E. Hofer and David M. Maahs

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Chapter 1: Definition, epidemiology, diagnosis and classification of diabetes in children and adolescents

Elizabeth J. Mayer-Davis, Anna R. Kahkoska, Craig Jefferies, Dana Dabelea, Naby Balde, Chun Xiu Gong, Pablo Aschner and Maria E. Craig

Chapter Highlights

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Chapter 2: Stages of type 1 diabetes in children and adolescents

Jenny J Couper, Michael J Haller, Carla J Greenbaum, Anette-Gabriele Ziegler, Diane K Wherrett, Mikael Knip and Maria E Craig

Chapter Highlights

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Chapter 3: Type 2 Diabetes mellitus in youth

Phil Zeitler, Silva Arslanian, Junfen Fu, Orit Pinhas-Hamiel, Thomas Reinehr, Nikhil Tandon, Tatsuhiko Urakami, Jencia Wong and David M Maahs

Chapter Highlights

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Chapter 4: The Diagnosis and management of monogenic diabetes in children and adolescents
Andrew T. Hattersley, Siri Atma W Greeley, Michel Polak, Oscar Rubio-Cabezas, Pål R Njølstad, Wojciech Mlynarski, Luis Castano, Annelie Carlsson, Klemens Raile, Dung Vu Chi, Sian Ellard and Maria E Craig

Chapter 5: Management of cystic fibrosis-related diabetes in children and adolescents
Antoinette Moran, Kubendran Pillay, Dorothy Becker, Andrea Gradados, Shihab Hameed and Carlo L. Acerini

Chapter 6: Diabetes Education in children and adolescents
Helen Phelan, Karin Lange, Eda Cengiz, Patricia Gallego, Edna Majaliwa, Julie Pelicand, Carmel Smart and Sabine E. Hofer

Chapter 7: The Delivery of ambulatory diabetes care to children and adolescents with diabetes
Catherine Pihoker, Gun Forsander, Bereket Fantahun, Anju Virmani, Sarah Corathers, Paul Benitez-Aguirre, Junfen Fu and David M. Maahs

Chapter 8: Glycemic control targets and glucose monitoring for children, adolescents, and young adults with diabetes
Linda A. DiMeglio, Carlo L. Acerini, Ethel Codner, Maria E. Craig, Sabine E. Hofer, Kubendran Pillay and David M. Maahs

Chapter 9: Insulin treatment in children and adolescents with diabetes
Thomas Danne, Moshe Phillip, Bruce Buckingham, Przemyslawa Jarosz-Chobot, Banshi Saboo, Tatsuhiko Urakami, Tadej Battelino, Ragnar Hanas and Ethel Codner
Chapter 10: Nutritional management in children and adolescents with diabetes
Carmel E. Smart, Francesca Annan, Laurie A. Higgins, Elisabeth Jelleryd, Mercedes Lopez and Carlo L. Acerini

Chapter Highlights
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Chapter 11: Diabetic ketoacidosis and hyperglycemic hypersmolar state
Joseph I. Wolfsdorf, Nicole Glaser, Michael Agus, Maria Fritsch, Ragnar Hanas, Arleta Rewers, Mark A. Sperling and Ethel Codner

Chapter Highlights
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Chapter 12: Assessment and management of hypoglycemia in children and adolescents with diabetes
Mary B. Abraham, Timothy W. Jones, Diana Naranjo, Beate Karges, Abiola Oduwole, Martin Tauschmann and David M. Maahs

Chapter Highlights
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Chapter 13: Sick day management in children and adolescents with diabetes
Lori Laffel, Catarina Limbert, Helen Phelan, Anju Virmani, Jamie Wood and Sabine Hofer

Chapter Highlights
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Chapter 14: Exercise in children and adolescents with diabetes
Peter Adolfsson, Michael C Riddell, Craig E Taplin, Elizabeth A Davis, Paul A Fournier, Francesca Annan, Andrea E Scaramuzza, Dhruvi Hasnani and Sabine E. Hofer

Chapter Highlights
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Chapter 15: Management of children & adolescents with diabetes requiring surgery
Craig Jefferies, Erinn Rhodes, Marianna Rachmiel, Agwu Juliana Chizo, Thomas Kapellen, Mohamed Ahmet Abdullah and Sabine E. Hofer

Chapter Highlights
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Chapter 16: Psychological care of children and adolescents with type 1 diabetes
Alan M. Delamater, Maartje de Wit, Vincent McDarby, Jamil A. Malik, Marisa E. Hilliard, Elisabeth Northam and Carlo L. Acerini

Chapter 17: Diabetes in Adolescence
Fergus J Cameron, Katherine Garvey, Korey Hood, Carlo L. Acerini C and Ethel Codner

Chapter 18: Microvascular and macrovascular complications in children and adolescents
Kim C Donaghue, Loredana Marcovecchio, R Paul Wadwa, Emily Y Chew, Tien Wong, Luis Eduardo Calliari, Bedowra Zabeen, Mona A Salem and Maria E Craig

Chapter 19: Other complications and associated conditions in children and adolescents with type 1 diabetes
Farid H Mahmud, Nancy S Elbarbary, Elke Fröhlich-Reiterer, Reinhard W Holl, Olga Kordonouri, Mikael Knip, Kimber Simmons and Maria E Craig

Chapter 20: Management and support of children and adolescents with type 1 diabetes in school
Natasa Bratina, Gun Forsander, Francesca Annan, Tim Wysocki, Jessica Pierce, Luis Eduardo Calliari, Danièle Pacaud, Peter Adolfsson, Klemen Dovč, Angie Middlehurst, Peter Goss, Jennifer Goss, Staffan Janson and Carlo L. Acerini

Chapter 21: Diabetes Technologies
Jennifer L Sherr, Martin Tauschmann, Tadej Battelino, Martin de Bock, Gregory Forlenza, Rossana Roman, Korey Hood and David M Maahs
Chapter 22: Introduction to the Limited Care Guidance Appendix
Ethel Codner, Carlo Acerini, Maria E Craig, Sabine Hofer and David Maahs
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Chapter 23: Limited Care Guidance Appendix
Ethel Codner, Carlo Acerini, Maria E Craig, Sabine Hofer and David Maahs
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- Additional Chapter - (published July 20, 2017): Managing diabetes in preschool children
Download Chapter

Additional Chapter---ISPAD Clinical Practice Consensus Guidelines: Fasting during Ramadan by young people with diabetes
Asma Deeb Nancy Elbarbary| Carmel E Smart| Salem A Beshyah| Abdelhadi Habeb| Sanjay Kaira| Ibrahim Al Alwan| Amir Babiker| Reem Al Amoudi| Aman Bhakti Pulungan| Khadija Humayun| Umer Issa| Mohamed Yazid Jalaludin| Rakesh Sanhay| Zhanay Akanov| Lars Krogvold| Carine de Beaufort
E-learning

E-learning has become a tool during meetings and has taken its place in new training curricula. To develop an e-learning tool from scratch is a complex and expensive task. On invitation by Professor Sten Drop, Rotterdam, who has developed the e-learning tool for pediatric endocrinology (ESPE), ISPAD has been developing the e-learning Diabetes modules, based on our Guidelines, and using the platform already developed by Professor Drop’s team. Currently the Board is led by Dr Dorothy Becker who provided a progress report at ISPAD’s Annual General Meeting in Innsbruck.

There now are 47 e-learning vignettes received, with at least one vignette for all ISPAD Guidelines but one chapter.

Why developing a e-learning tool?
• To reach as many less experienced doctors, fellows, residents, nurses, dieticians and students as possible
• To use cases with questions and answers to ensure understanding of the ISPAD Guidelines
• To provide feedback for self-evaluation

Special thanks to:
The project has been made possible thanks to an educational grant from Eli Lilly.

Thanks to editorial board
• Jamie Wood
• Viji Bhatia
• Hans-Jacob Bangstad
• Julie Edge
• Carine de Beaufort
• Stu Brink
• Elisa Gianni

AND ESPECIALLY TO ALL CONTRIBUTORS

Access to the e-learning Diabetes modules is be offered through the ISPAD website, free to all members: https://www.ispad.org/page/ELearningPortal
Finances

Membership Fees

In order to offer the opportunity to as many persons as possible to be actively involved in the society, ISPAD has launched a reduced membership fee for members from low and low middle-income countries. This enables colleagues from countries of low and low middle income (most recent World Bank list) to become members and participate in all ISPAD activities. Further information can be found under the financial report.

Advocacy

Collaboration with other organizations

In the past year, further collaborations with various scientific and patient organizations has been intensified to reach a wider population, prevent redundancy and to optimize outcomes.

American Diabetes Association (ADA)

In 2016-2017 ISPAD signed a Memorandum of Understanding with the ADA to further develop relationships and work to improve the lives for children, adolescents, and young adults with diabetes. The most recent ADA/ISPAD symposium in San Francisco at the 79th ADA meeting, was: “Joint ADA/ISPAD Symposium—Understanding Heterogeneity in Pediatric Diabetes—First Step to Improving Outcomes.’
The symposium was extremely well attended and excellent presentations were followed by a lively discussion.
www.diabetes.org

Australasian Paediatric Endocrine Group (APEG)

In 2015 ISPAD held for the first time a joint annual conference with APEG. Contribution of APEG and its committees has been instrumental, and the conference was a huge success with many attendees.
www.apeg.org.au
Arab Society for Paediatric Endocrinology and Diabetes (ASPED)

Although only founded a few years ago, the collaboration with ASPED has been fruitful and has led to exchanges in the field of training in diabetes clinical care and research. The fifth ISPAD-ASPED-LILLY postgraduate course was held in April 2019 in Muscat, Sultanate of Oman.

In 2020 the next collaborative course will be organized and take place in Kingdom of Bahrain. A call for applications is published here: [https://www.ispad.org/page/ISPADPG](https://www.ispad.org/page/ISPADPG)

European Society for Paediatric Endocrinology (ESPE)

Different projects continue in collaboration with ESPE such as the PETC(W)A and the e-learning program. This will allow more healthcare professionals to learn about diabetes care, and to discuss how this could be reflected in the Guidelines. It should stimulate exchanges on best practices, to improve outcome. Regular combined symposia are organized at the annual conferences of both societies. In addition, ISPAD leadership has agreed to support ESPE educational initiatives by providing faculty with specific expertise in pediatric diabetes. Joint symposiums are held at each other’s annual scientific meetings and in the past year included joint symposiums at ESPE and ISPAD annual Scientific Sessions

[www.eurospe.org](http://www.eurospe.org)

Global Pediatric Endocrinology and Diabetes (GPED)

GPED is an organization whose purpose is to provide development opportunities regarding pediatric endocrinology and diabetes and care in children with endocrine diseases in the developing world. Members include representatives of the different societies involved in pediatric endocrinology and diabetes. Regular newsletters are published and can be accessed through the link on the ISPAD website. Currently Jean-Pierre Chanoine has been re-elected as Secretary General. A member of the ISPAD executive committee will be part of the GPED executive to ensure further support and collaboration, where needed, to provide essential medicines such as hydrocortisone, fludrocortisone, etc. the places where these are still lacking. Julia von Oettingen is the ISPAD liaison to GPED.

[www.globalpedendo.org](http://www.globalpedendo.org)
International Diabetes Federation (IDF)

The collaboration with IDF in the field of pediatric diabetes as well as the collaboration with LfaC has been summarized in the two MoU’s.

During the biannual conference in Busan, Korea, (December 2019) the ISPAD lecture was traditionally given by the ISPAD President, and Kim Donaghue gave an excellent lecture. Further collaborative projects will be pursued with the focus on children with diabetes.

www.idf.org

Juvenile Diabetes Research Foundation (JDRF)

Collaboration with JDRF has been intensified over the last year. JDRF and ISPAD are proud to announce the launch of 4 Research fellowships, jointly sponsored by the two societies! These competitive grants of 25,000 USD will provide a fantastic opportunity to foster more high-level research in the field of pediatric diabetes. The next call will be published in March 2020. In addition, JDRF generously supported an additional 10 Drash Fellowships in 2019. ISPAD is very grateful for this support and looks forward to continued collaboration in this very important endeavor. Our mutual goal is to continue to promote further interaction with symposia and training of young researchers. In addition, a JDRF-ISPAD joint symposium featured the winners of the JDRF-ISPAD fellowship at the ISPAD meeting in Hyderabad.

www.JDRF.org

In addition, at the Boston meeting President Donaghue and Mike Wilson from JDRF International announced a new joint initiative (see President's update.)
Future Conference

ISPAD 2020 - 46th Annual Conference

Location: Abu Dhabi, United Arab Emirates
Dates: October 14-17, 2020

https://2020.ispad.org/

Conclusion

2018-2019 has been another wonderfully productive year. I’m certain that many more activities in the areas of education and have taken place, not captured in this short summary. I invite all those, who have been active to publish the information on the website and share their experiences and knowledge.

I am grateful to all of you for the work done by ISPAD in the past year and for the collaboration of Executive and Advisory Council members (and particularly their extensive work for ISPAD as part of various committees) as well as that of all ISPAD members and our corporate partners.

David M. Maahs
ISPAD Secretary General 2016-2020
VI. ISPAD Communications Report  
by Jamie Wood and Roque Cardona-Hernandez

The role of the Director of Communications is to oversee the communication between ISPAD Leadership, ISPAD membership, and the worldwide diabetes community via our website, social media, emails, and newsletters. The Director also liaisons between the Executive Board and K.I.T. Group. The past year has been a productive year with many accomplishments. We further developed the master communications schedule that organizes our efforts with themes for the month and planned activities.

The ISPAD website (introduced in May 2015) is getting more and more visitors each year. There are now four special interest groups (JENIOUS, Diabetes Nurse Education, Mental Health, and Nutrition) who have their own page on the website. The JENIOUS group, for example, now has its own section of the website, where young healthcare providers can network and share ideas.

We have also increased our efforts to have all ISPAD activities summarized and placed on the website. Each year more and more conference resources can be found on the website including plenary sessions and e-posters. This is a great way to listen to lectures or view posters that you may have been unable to attend. Our recent focus has been to systematically go through the website to ensure that all the links and content are up to date and accurate. This year we have developed a new communication strategy that will link our ISPAD membership to the many resources found on the website. In addition, we will be using more social media (Facebook and Twitter) to reach our membership and keep them updated about society activities. The 2018 ISPAD Clinical Consensus Guidelines chapters are available on the website since October 2018 as free access. The key points of the 2018 ISPAD Clinical Consensus Guidelines have been summarized and spread through social media and newsletters to increase their reach worldwide.

The present report presents the statistics about the activity registered in ISPAD Website, Newsletter and Social media in the time period from July 1, 2018 - June 30, 2019. Therefore, it is also important to note that ISPAD 2019 - 45th Annual Conference is not included in this analysis. As detailed below, we have seen a significant increase in visitors to our website and the number of people our social media posts are reaching in the period. Our goals for the next year are to further increase our reach to the worldwide diabetes community through our website, social media, and newsletters. We would like to increase the scientific content of our communications, as well as to continue highlighting ISPAD activities across the globe.
Our vision is for the ISPAD website to be an efficient resource for our community, so if you have any suggestions for improvement, find a glitch or link that is not working, do not hesitate to contact our webmaster.

Jamie Wood
Roque Cardona-Hernandez

ISPAD Website
An increase of 34% is shown in the number of users in the 2017-2019 period. The time period from July 1, 2018 to June 30, 2019, has registered a total of 76,724 users. The upsurge in number of website visitors is due to the 2018 Conference. Furthermore, an increase of +51.5% is shown in pageviews. In fact, 400,521 pageviews in 2019.

![Figure 1 - extracted from Google Analytics](image)

As in previous years, the three countries with the most website visitors are United States, India and the United Kingdom.
ISPAD Newsletter

The open rate and click rate percentages double the average expected in email marketing statistics. Whereas an email open rate of 21% and a click rate of 3% are considered quite good, ISPAD Newsletter presents an average open rate of 48.8% and a click rate of 8.4%.

<table>
<thead>
<tr>
<th>Country</th>
<th>Users</th>
<th>% Users</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States</td>
<td>11,162</td>
<td>14.36%</td>
</tr>
<tr>
<td>India</td>
<td>9,262</td>
<td>11.92%</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>5,377</td>
<td>6.92%</td>
</tr>
<tr>
<td>Australia</td>
<td>3,181</td>
<td>4.09%</td>
</tr>
<tr>
<td>Mexico</td>
<td>3,128</td>
<td>4.03%</td>
</tr>
<tr>
<td>Canada</td>
<td>2,298</td>
<td>2.96%</td>
</tr>
<tr>
<td>Brazil</td>
<td>1,801</td>
<td>2.32%</td>
</tr>
<tr>
<td>Spain</td>
<td>1,716</td>
<td>2.21%</td>
</tr>
<tr>
<td>Argentina</td>
<td>1,640</td>
<td>2.11%</td>
</tr>
<tr>
<td>Germany</td>
<td>1,613</td>
<td>2.08%</td>
</tr>
</tbody>
</table>

The four countries with the audience most interested in ISPAD News are United States, India, Australia and United Kingdom, representing 38.3% of the audience. Although, it is important to highlight that almost 50% of ISPAD News audience come from other parts of the world.
ISPAD Facebook

Over the last year, ISPAD continued to improve its visibility on social media. The ISPAD Facebook has registered an increase of 46.79% followers. Furthermore, ISPAD has managed to publish 183 posts between July 01, 2018 to June 30, 2019 on Facebook.

![Facebook Chart](image)

*Figure 5 - extracted from Facebook*

With respect to the profile of ISPAD Facebook followers, 47% of followers are aged 25-44. Women represent 65% of ISPAD followers.

![Gender Distribution Chart](image)

*Figure 6 - extracted from Facebook*

Unlike the geographic distribution pattern shown in Website users and Newsletter readers’ numbers, in which USA was leading, the most represented countries in ISPAD Facebook audience are Egypt and India, and following by USA, Mexico and Australia.
On another note, it has been noted that the most successful publications in terms of reach and engagement include photos and links. The most successful Facebook post was “What’s new in recently launched #ispadguidelines2018? The most important recommendation: ISPAD HbA1c goal for paediatric population has changed [4] from 7.5% to 7% (<53 mmol/mol)! Full room at the session on the Guideline release! #ispad2018 #diabetes #pwd #paediatricdiabetes”. This content reached 7,110 people and it created 1,118 engagements or interactions among people. The second most successful post was “World Diabetes Day 2018: The Family and Diabetes”. The number of people reached was 6,183 and the engagements: 575. The third most popular post was “ISPAD is proud to announce that the ISPAD Guidelines 2018 are now online!” with 4,382 people reached and 580 engaged.

<table>
<thead>
<tr>
<th>Country</th>
<th>Your followers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Egypt</td>
<td>319</td>
</tr>
<tr>
<td>India</td>
<td>203</td>
</tr>
<tr>
<td>United States of America</td>
<td>175</td>
</tr>
<tr>
<td>Mexico</td>
<td>130</td>
</tr>
<tr>
<td>Australia</td>
<td>109</td>
</tr>
</tbody>
</table>
### ISPAD Twitter

Between April and June 2019, ISPAD acquired 708 impressions per day, resulting in a total of 64,440 impressions (number of times a tweet shows up in somebody's timeline) overall. The Twitter account now has 1,463 followers and 10 posts per month were made on Twitter. The ISPAD Twitter has registered an increase of 94% followers in the period January 2018 – October 2019.

#### Figure 9 - extracted from Twitter

With respect to the profile of ISPAD Twitter followers, 60% of followers are women and the most represented countries in ISPAD Twitter audience are United Kingdom, Spain and United States.

#### Figure 10 - extracted from Twitter
These statistics indicate that between July 01, 2018 and June 03, 2019, ISPAD had a daily average of 0.7% engagement rate. This percentage indicates the total number of times a user interacted with each tweet.

Since the majority of ISPAD publications included links, as a form of interaction, there was an average of 3 link clicks per day. This helps increase the total engagement.

Receiving retweets is a feature that allows ISPAD’s message to be shared across a wider audience. There was an average retweet of 1 per day.

ISPAD aims to encourage others to respond, comment and interact with tweets. The variety of tweets that are posted allow users to have access to well-rounded information and news that may be of interest to them.

Within this time frame, on average, ISPAD has received 2 likes per day and aims to increase it further over the coming year by interacting more with users and encouraging comments to increase engagement.

The most successful Twitter post was “#T1D children, wherever they live, should be able to attend school. However, they sometimes face discrimination and/or their parents are the ones ‘to fulfil the gap’
of school resources to manage #diabetes. This challenge is recognized by ISPAD: [link] [photo]”. It had 5,727 impressions, it created 101 engagements with an engagement rate of 1.8% (engagement divided by impressions).

The second most successful post was “Our hearts are saddened by the loss of our member, Carlo Acerini, who has done so much for ISPAD and children with #T1D. Our former Advisory Board member, the Editor of ISPAD Clinical Guidelines, our Colleague & friend. Our deepest condolences to his family. [photo]” with 3,610 impressions, 64 engagements and the same rate.

The third popular post was “ISPAD-JDRF Fellowship – last chance to apply! This grant is for ISPAD members below age 40, who wish to pursue a career in diabetes related research. It will cover $25,000 USD in research related expenses! Deadline: May 6, 2019. Click here to apply: [link] [photo]” with 3,310 impressions, 34 engagements and 1.0%.

**Ideas for the future**

- To create an ISPAD Instagram Account.
- To increase the scientific content of Facebook and Twitter posts.
- To highlight Pediatric Diabetes articles and other high impact articles from other journals.
- To create an ISPAD Committee for Policy Statements on hot topics.
- To develop a communication plan for 20th Anniversary of ISPAD Science Schools.
- To develop a communication plan for 100-year Anniversary of Discovery of Insulin.
- To continue fostering the relationship with #DOC and Patient Advocates.
VII. ISPAD Treasurer’s Report  
by Andrea Scaramuzza and Lars Krogvold

ISPAD has been registered as a Charity in England and Wales (Charity Number 1126927) since 2008. The Annual Accounts for the financial year 2018-2019 are currently being independently examined by Crowe U.K. LLP prior to their official publication on the Companies House website here.

The fiscal year being reported on below began on July 1, 2018 and ended on June 30, 2019.

Revenues

Unfortunately, this year we have reported a loss from our Annual Conference, held in in Hyderabad in 2018, despite the efforts of our association and conference management company K.I.T. Group GmbH as well as the excellent organization committee in Hyderabad led by Anju Virmani and Banshi Saboo.

Notwithstanding the harsh economic times, most of our corporate sponsors have remained loyal even if the new rules on relationships between industry and the medical professions have requested far more formal arrangements and contracts. A number of industry partners have suffered from the changed economic circumstances. Important contact and supportive people have left or changed position. Although the support received is gratefully acknowledged, it has been a challenge to keep up with the expectations raised. We aim to reinforce existing relations and we are happy that important players have joined or re-joined to support ISPAD. As explained below, we distinguish between corporate sponsors of the ISPAD Society and corporate sponsors for the Annual Conference.

The membership revenues have been steady and growing at slow pace. Both new memberships and retention of members is of great importance to strengthen the position of ISPAD. The new membership system introduced in May 22, 2015 works better than the previous system, and members are now able to renew their memberships much more easily than in the previous years. Since the fiscal year 2018 ended, 300 new members have joined ISPAD and together with the ones who renewed their memberships as of July 1, 2019, the total ISPAD members was 1215 The current membership figures cannot be compared to data prior to 2015. In the past, it was possible to remain a member of ISPAD for up to 2 years after the last membership fee had been paid. With the new membership system, members who have failed to pay their fees within the 3-month grace period for the running membership year will be automatically excluded from the total membership count. After the 3-month grace period, members will no longer have access to the ISPAD Member-only areas, such as the Forums, Pediatric Diabetes Online Journal and electronic voting.
ISPAD Corporate Members

In a globally gloomy financial climate, our sponsors have remained loyal to the principles enshrined in our organization and continue to support the wider activities of ISPAD beyond our conference!

We are heavily dependent upon our corporate sponsors in two specific ways. The Annual Conference sponsorship is managed through our conference management company, K.I.T. Group GmbH and, as such, is separate from the support specified here. This support is for ISPAD as the society and is used for all our activities, including the prestigious prizes, special travel grants, fellowships, PETC(W)A and to finance the Science Schools. Their support is gratefully acknowledged.

ISPAD Society Corporate Members (Calendar Year 2019):

Corporate Members:

- Dexcom
- Lilly
- Medtronic
- Novo Nordisk
- Sanofi
Corporate Supporters:

Abbott

Lifescan

Insulet Corporation

TANDEM DIABETES CARE

Children with Diabetes

JDRF

We thank our partners 2018-2019:
Annual Conference Sponsors, Hyderabad 2018

Of course, we could not run our conferences without solid and dependable support from those companies that specifically sponsored our Annual Conference.

For 2018, we are grateful to:

**PLATINUM**

Lilly | DIABETES

Novo Nordisk

**GOLD**

Medtronic

*Further, Together*

**SILVER**

Abbott

Roche

**GENERAL SPONSORS**

BD

Dexcom

Insulet Corporation
Expenses

The complexity of managing ISPAD in line with UK Charities Law requires us to secure the services of a firm specializing in this area (Crowe U.K. LLP) and we are also supported by our legal advisors (Harrison Clark Rickerbys) both based in Cheltenham.

Previous submitted accounts are available via the Companies House Website or on request.

Since ISPAD+APEG 2015, we have created two additional membership categories, based on the members country of residence. Members coming from countries classified as low or lower-middle-low income country by the World Bank are eligible to pay a reduced membership fee (90% and 50% deduction on standard fee). Personal applications for free or reduced membership fees are made directly to the Treasurer. Support for individuals for whom the fees are too burdensome, is part of the charitable activity of the society.

We continue to provide regular travel grants (pledged a total of around 11,000 GBP for ISPAD 2018) and special travel grants, (pledged approximately 7,000 GBP for ISPAD 2018) designed specifically for those in less developed countries to come to our Annual Conference without cost.

Financial Goals

Our financial goals are to maintain sufficient funds held in reserve to assure our existence for at least one year while we continue to support funding for Science Schools, Post Graduate courses, Allan Drash clinical fellowship, Research Fellowships, Travel Grants, Pediatric Diabetes, memberships, and special initiatives.

This approach helps us in our forward planning. We also continue to seek fresh sponsorship opportunities to ensure support for the key activities of ISPAD.

Our goal is to support and endorse the Mission, Vision and Values of ISPAD by using the best legal and accounting practices to assure fairness and transparency. Additionally, our financial resources must be maintained safely in a fiscally sound fashion thus protecting our Society from disruption.

Financial Situation in the Year 2018-19

The analysis depicting ISPAD’s economic situation in the financial year 2018-19 is based on the financial transactions in ISPAD’s draft accounts for 2018-19.
Accounts

ISPAD has 5 bank accounts. Euro and US Dollar accounts are maintained in Germany for the day to day running of the Society and are managed on ISPAD’s behalf by K.I.T. Group GmbH. There are now Sterling, US Dollar and Euro accounts held with Lloyds in the UK where most of the reserves are maintained as well as a Sterling savings account. All payments, except those for day-to-day running of the Society, are approved by the Treasurer.

For this report, all figures are in £ Sterling.

Income

Total Income 2018-19 Accounts (2017-18 from published accounts)

£422,257 (£506,444 2017-2018*)

(*restated in 2018-2019)
Expenditures

Total Expenditure £417,654 (£465,751 2017-2018)

Explanatory Notes

When looking at the expenditure figures, it is important to note that the budget of the ISPAD Science School for Physicians is entirely managed by a Local Convener, with ISPAD only providing a set sponsorship amount per year which may or may not cover the total and actual expenditure of the school, whereas the ISPAD Science School for Healthcare Professionals is directly managed by ISPAD which sets a budget and covers all related costs directly.

Care must be taken in interpreting these figures as they arise from the accrual accounting system now in place which considers all transactions relating to a financial year, whether or not they have actually occurred within that time e.g. if an invoice is issued then an asset appears in the books although the money may not appear until later.

Andrea E. Scaramuzza  
ISPAD Treasurer 2015-2019

Lars Krogvold  
ISPAD Treasurer 2019-2021
VIII. Society’s Figures and Numbers

2013 – 2019 ISPAD Membership*

Paid members only

*2018-2019 figures based on membership data at 30/06/2019
### ISPAD Members*

<table>
<thead>
<tr>
<th>Profession</th>
<th>Nb of members</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physicians</td>
<td>883</td>
<td>72.7%</td>
</tr>
<tr>
<td>Students</td>
<td>100</td>
<td>8.2%</td>
</tr>
<tr>
<td>Nurses</td>
<td>94</td>
<td>7.8%</td>
</tr>
<tr>
<td>Other</td>
<td>54</td>
<td>4.4%</td>
</tr>
<tr>
<td>Dietitians</td>
<td>54</td>
<td>4.4%</td>
</tr>
<tr>
<td>Psychologists</td>
<td>30</td>
<td>2.5%</td>
</tr>
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</table>

* Figures based on membership at 30/06/2019
<table>
<thead>
<tr>
<th>Country</th>
<th>Qty</th>
<th>Country</th>
<th>Qty</th>
<th>Country</th>
<th>Qty</th>
</tr>
</thead>
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<tr>
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<td>Sudan</td>
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<td>Finland</td>
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<td>Portugal</td>
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<td>Yemen</td>
<td>2</td>
<td>Haiti</td>
<td>8</td>
</tr>
<tr>
<td>Congo</td>
<td>1</td>
<td>Cameroon</td>
<td>3</td>
<td>Indonesia</td>
<td>8</td>
</tr>
<tr>
<td>Cyprus</td>
<td>1</td>
<td>Costa Rica</td>
<td>3</td>
<td>Argentina</td>
<td>9</td>
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<tr>
<td>Dominican Republic</td>
<td>1</td>
<td>Hong Kong</td>
<td>3</td>
<td>South Africa</td>
<td>9</td>
</tr>
<tr>
<td>Ecuador</td>
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<td>Hungary</td>
<td>3</td>
<td>New Zealand</td>
<td>11</td>
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<td>Estonia</td>
<td>1</td>
<td>Iceland</td>
<td>3</td>
<td>Spain</td>
<td>11</td>
</tr>
<tr>
<td>Ethiopia</td>
<td>1</td>
<td>Korea, South</td>
<td>3</td>
<td>Chile</td>
<td>12</td>
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<td>Iran</td>
<td>1</td>
<td>Lithuania</td>
<td>3</td>
<td>France</td>
<td>12</td>
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<tr>
<td>Iraq</td>
<td>1</td>
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<td>Denmark</td>
<td>14</td>
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<tr>
<td>Malawi</td>
<td>1</td>
<td>Serbia</td>
<td>3</td>
<td>NA</td>
<td>15</td>
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<td>Malta</td>
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<td>Singapore</td>
<td>3</td>
<td>Poland</td>
<td>15</td>
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<td>Martinique</td>
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<td>Thailand</td>
<td>3</td>
<td>Belgium</td>
<td>16</td>
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<tr>
<td>Mexico</td>
<td>1</td>
<td>Croatia</td>
<td>4</td>
<td>Nepal</td>
<td>17</td>
</tr>
<tr>
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<td>1</td>
<td>Czech Republic</td>
<td>4</td>
<td>Brazil</td>
<td>18</td>
</tr>
<tr>
<td>Myanmar</td>
<td>1</td>
<td>Israel</td>
<td>4</td>
<td>Ireland</td>
<td>18</td>
</tr>
<tr>
<td>Oman</td>
<td>1</td>
<td>Kenya</td>
<td>4</td>
<td>Egypt</td>
<td>19</td>
</tr>
<tr>
<td>Peru</td>
<td>1</td>
<td>Kuwait</td>
<td>4</td>
<td>Greece</td>
<td>20</td>
</tr>
<tr>
<td>Philippines</td>
<td>1</td>
<td>Mauritius</td>
<td>4</td>
<td>Norway</td>
<td>21</td>
</tr>
<tr>
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<td>1</td>
<td>Pakistan</td>
<td>4</td>
<td>Japan</td>
<td>31</td>
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<tr>
<td>Taiwan</td>
<td>1</td>
<td>Russia</td>
<td>4</td>
<td>Italy</td>
<td>32</td>
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<td>Tanzania</td>
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<td>4</td>
<td>Sweden</td>
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<td>Uganda</td>
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<td>United Arab Emirates</td>
<td>4</td>
<td>Germany</td>
<td>37</td>
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<tr>
<td>Ukraine</td>
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<td>Luxembourg</td>
<td>5</td>
<td>Canada</td>
<td>42</td>
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<td>Zambia</td>
<td>1</td>
<td>Romania</td>
<td>5</td>
<td>Netherlands</td>
<td>59</td>
</tr>
<tr>
<td>Algeria</td>
<td>2</td>
<td>Slovenia</td>
<td>5</td>
<td>United Kingdom</td>
<td>96</td>
</tr>
<tr>
<td>Ghana</td>
<td>2</td>
<td>Morocco</td>
<td>6</td>
<td>Australia</td>
<td>100</td>
</tr>
<tr>
<td>Jordan</td>
<td>2</td>
<td>Nigeria</td>
<td>6</td>
<td>India</td>
<td>163</td>
</tr>
<tr>
<td>Liberia</td>
<td>2</td>
<td>Turkey</td>
<td>6</td>
<td>United States</td>
<td>174</td>
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<tr>
<td>Malaysia</td>
<td>2</td>
<td>Austria</td>
<td>7</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Data based on membership figures at 30/06/2019
* Figures based on membership at 30/06/2019

ISPAD Members sorted by age group (based on year of birth)

* Figures based on membership at 30/06/2019

Not Specified = 143
ISPAD Members sorted by Fee Type

<table>
<thead>
<tr>
<th>Fee Type</th>
<th>No. of Members</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Income</td>
<td>37</td>
<td>3</td>
</tr>
<tr>
<td>Standard</td>
<td>934</td>
<td>77</td>
</tr>
<tr>
<td>Lower Middle Income</td>
<td>244</td>
<td>20</td>
</tr>
</tbody>
</table>

23 Percent of ISPAD members are Low Income Countries or Low Middle Income Countries.
### ISPAD Members sorted by Membership Type

<table>
<thead>
<tr>
<th>Profession</th>
<th>No. of Members</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physicians</td>
<td>891</td>
<td>73</td>
</tr>
<tr>
<td>Allied Healthcare Professionals</td>
<td>224</td>
<td>19</td>
</tr>
<tr>
<td>Students</td>
<td>100</td>
<td>8</td>
</tr>
</tbody>
</table>

#### No. of Members by Membership Type

- Physicians: 891
- Allied Healthcare Professionals: 224
- Students: 100