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I. Introduction

The ISPAD Executive Board is honoured to present the Annual Report of the Society for 2017-2018. The report will be presented at the Annual Conference of the International Society for Pediatric and Adolescent Diabetes also known as ISPAD 2018. 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.

Joseph Wolfsdorf  
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

Joseph Wolfsdorf, MD, United States  
*President*

David Maahs, MD, United States  
*Secretary General*

Andrea Scaramuzza, MD, Italy  
*Treasurer*

Kim Donaghue, MD, Australia  
*President-Elect*

Jamie Wood, MD, United States  
*Communication Advisor*

Advisory Council Members

Bruce King  
*Australia*

Chizo Agwu  
*United Kingdom*

Eda Cengiz  
*United States*

Francesca Annan  
*United Kingdom*

Peter Adolfsson  
*Sweden*

Linda Anne DiMeglio  
*United States*

Jill Weissberg-Benchell  
*United States*

Julie Pélicand  
*France/Chile*

Luis Eduardo Calliari  
*Brazil*

Valentino Cherubini  
*Italy*

Asma Deeb  
*U.A.E.*

Thomas Kapellen  
*Germany*

Social Media Board Members

Jamie Wood  
*United States*

Chizo Agwu  
*United Kingdom*

Julie Pélicand  
*France/Chile*

Katarzyna Gajewska  
*Ireland*

Social Media Chair

Roque Cardona-Hernandez  
*Spain*
IV. ISPAD President’s Report
by Joseph I. Wolfsdorf

I set four strategic goals for the two-year period of my ISPAD presidency.

1. Recognizing that the vitality of ISPAD depends on the active participation of its members, we set out to consolidate growth of our membership. We established growth targets for different professional disciplines (physicians, diabetes nurses/educators, dietitians, mental health professionals) and demographic segments (high-, middle-, low-income countries). In addition, we have attempted to encourage members to actively contribute to ISPAD’s mission. The recent publication of the ISPAD Position Statement on Type 1 Diabetes in Schools is but one example of such an activity. Going forward, I believe that ISPAD must explore new ways of engaging and being relevant to ALL members of the diabetes team throughout the world.

“One World…
same treatment goals…
diverse challenges…”

2. ISPAD depends on robust, mutually beneficial relationships with numerous corporate sponsors. Over the past decade, the regulatory environment has changed dramatically and become more challenging. In order to accomplish our goals as a philanthropic professional society, we must identify new approaches and have already begun to review our relations with corporate sponsors. To enhance these crucially important relationships and attempt to establish longer term sustainable relationships, we plan to formally meet with corporate partners in conjunction with the Winter meeting of the Executive Committee in Berlin in February 2019.

3. ISPAD has grown in size and complexity; its leaders reside on different continents. It became evident that the ISPAD Executive Committee needed to formalize its internal association processes, tasks and responsibilities. Accordingly, ISPAD has contracted with KIT (our association management agency) to perform additional management tasks; in particular, those related to the financial management of our society. We have to become less reliant on oral history and institutional memory. To this end, we have created a manual of operations to help guide the future leadership of ISPAD. Under Jamie Wood’s outstanding leadership as Director of Communications, we have significantly enhanced our communication framework and brought this important function into the 21st century via use of Facebook, Twitter and other communications media. The creation of various committees and allocation of formal responsibilities to the outstanding members of the Advisory Council has taken advantage of their tremendous talent and enthusiasm.
4. Finally, we have extended planning of our annual conferences to 2024. There is much more work to be done. I am reminded of the words of the poet, Robert Frost

“... But I have promises to keep,
And miles to go before I sleep”

I was profoundly gratified to participate in the wonderfully successful 44th Annual Meeting in Hyderabad, the first ever on the Indian subcontinent. The ISPAD 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” was successfully accomplished at this meeting. We owe a profound debt of gratitude to Drs. Anju Virmani, Banshi Saboo and many others whose tireless efforts contributed to the successful meeting.

It has been an honor and a privilege to have served as President of ISPAD. I am tremendously grateful to my colleagues on the Executive Committee and Advisory Council and, most especially, to Professor David Maahs. His tremendous organizational skill, hard work, passion and talent helped me immeasurably to accomplish my goals. He has been an outstanding Secretary-General and a pleasure to work with. Now, I look forward to supporting my dear friend, Professor Kim Donaghue, as she assumes the ISPAD presidency.

Joseph I. Wolfsdorf
President 2016-2018
V. ISPAD Secretary General’s Report

by David M Maahs

2017-2018 - 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. There has been much exciting and important work by ISPAD over the past year as highlighted on our website and in this report and others from the Executive Board in collaboration with our many partners worldwide. I am continually amazed by the dedication of ISPAD members to our common goals and 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.

Organization

During the general meeting in Innsbruck, new members were elected to the Advisory Council. Asma Deeb, Anna Lindholm-Olinder, Peter Adolfsson, Linda Dimeglio, Thomas Kapellen 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 5 members to the Advisory Council at the meeting in Hyderabad as well as a Treasurer-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 supported, 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.

Communication and team work are two key topics of the society and I would like to recognize the huge amount work which has been 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 Eduardo Calliari, Bruce King, Julie Pelicand, Chizo Agwu, Jill Weissberg-Benchell, Eda Cengiz, Valentino Cherubini, Francesca Annan, Anna Lindholm-Olinder, Peter Adolfsson, Asma Deeb, Linda Dimeglio, and Thomas Kapellen.

Finally, I would like to express my thanks to my colleagues, members of the Executive Board, President Joseph Wolfsdorf, who has led ISPAD as we expand with the annual meeting in India and update our logistics for a larger and more internationally representative society. Andrea Scaramuzza has addressed the accounts in balance in less favorable economic times.

ISPAD will continue to have strong leadership in the next year with the transition of Dr. Kim Donaghue as the next ISPAD President as she has been a strong advocate for modernizing our operations. We will continue to have guidance from Dr Joseph Wolfsdorf, in the role of ISPAD Past-President.

David M Maahs
Secretary General 2016-2018
Prizes and Fellowships 2018

Selection of the best candidates for prizes and fellowships in 2018 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 2018**

*Kindly supported by Eli Lilly*

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**Moshe Phillip has won the ISPAD Prize of Achievement for 2018**

Prof. Moshe Phillip graduated from Ben Gurion University, Beer Sheba, Israel, in 1983 and specialized in pediatric endocrinology in 1989-1992 at the University of Maryland School of Medicine, in Baltimore, Maryland. Prof. Phillip is the Director of the Institute for Endocrinology and Diabetes, the National Center for Childhood Diabetes at the Schneider Children's Medical Center, Petah Tikva, Israel since 1997, and serves as Vice Dean for Research and Development as well as a Chair of the Irene and Nicholas Marsh Fund for Endocrinology and Diabetes at the Sackler Faculty of Medicine, Tel Aviv University. Previously (1992-1997), Prof. Phillip was the Division Head of the Pediatric and Therapeutic Center at Soroka Medical Center in Beer Sheba. Prof. Phillip is active in both clinical and basic research focusing on childhood diabetes, growth, nutrition, and obesity. In the past few years Prof. Phillip has been focusing his research on: (1) Diabetes technologies (2) The interaction between nutrition and growth.

Prof. Phillip is a member of national and international organizations, such as the, the Israeli National Committee for Diabetes, International Society of Pediatric and Adolescent Diabetes (ISPAD), The European Society for Pediatric Endocrinology (ESPE), The Pediatric Endocrine Society (PES), Endocrine Society and more. He is the coordinator of the ESPE's annual Diabetes, Obesity and Metabolism School and the ESPE's Working Group on Diabetes Technologies. Prof. Phillip is the Co-Founder and Co-Chairman of the International Conference for Advanced Technologies and Treatments for Diabetes (ATTD) and of the International Conference on Nutrition and Growth (N&G). Prof. Phillip established DreaMed-Diabetes Ltd. for moving into the phase of commercialization of the Artificial Pancreas first developed at Schneider Hospital. Two other companies were established: Nutriteen Ltd and NG Solutions Ltd. for the commercialization of a special formula - a protein powder, blended into a shake, that boosts children’s nutrition and helps them grow. Prof. Phillip has published more than 250 manuscripts, the ATTD Yearbook, N&G yearbook, as well as chapters in other books.
Lestradedt Award for Education and Advocacy

Kindly supported by the organization: Children with Diabetes

Ragnar Hanas has won the Lestradedt Award for Education and Advocacy for 2018

Dr. Ragnar Hanas, MD, PhD, born 1951.

- Consultant in Pediatric Diabetology & Endocrinology, Uddevalla Hospital, Sweden;
- Associate Professor at the Sahlgenska Academy, Institution of Clinical Sciences; Gothenburg University, Sweden;
- Head of diabetes unit since 1985;
- PhD on injection pain and indwelling catheters in children 2001;
- Author of a comprehensive pediatric diabetes manual, translated into 13 languages;
- Organizer of national insulin pump courses 1999–2018;
- Member of ISPAD since 1989;
- Member of ISPAD Advisory Council 2006-2008;
- Co-editor of ISPAD 2009 and 2014 Guidelines;
- Member of Editorial Board of Pediatric Diabetes 2002-2018;
- Investigator in several international trials (ENDIT, TRIGR, PedPumps, Diamyd, TEENS, Diagnode)
- Co-organizer of ISPAD Postgraduate Courses in Chile, Argentina, Peru, Bolivia, Jamaica, India and Brazil;
- Co-convener of ISPAD Annual Meeting in Gothenburg 2013;
- Secretary-General of ISPAD 2008-2012;
- President of ISPAD 2014-2016;

ISPAD Prize for Innovation in Pediatric Diabetes Care

Kindly supported by Novo Nordisk

Bruce Buckingham has won the ISPAD Prize for Innovation in Pediatric Diabetes Care for 2018

Dr. Buckingham is a Professor in the Department of Pediatric Endocrinology at Stanford Medical Center and Stanford Children’s Hospital. He graduated from the University of California at San Diego Medical School, did his residency and fellowship at Los Angeles Childrens Hospital. He was the Director of Diabetes and Endocrinology at the Childrens Hospital of Orange County before moving to Stanford in 1998. For the last twenty years his research has focused on continuous glucose monitoring and closed-loop (artificial pancreas) systems. He has been active as the principal investigator at Stanford in multiple NIH, JDRF and Helmsley sponsored research
Martin Tauschmann has won the ISPAD Young Investigator Award for 2018

Dr Martin Tauschmann, MD, is a trainee paediatric diabetologist at the Medical University of Vienna, Department of Pediatrics, Austria.

He received his medical training at the Medical University of Graz, Austria, where he started specialty trainings in Pediatrics and Internal Medicine. From September 2013 to December 2017 he held the position of a Clinical Research Associate in Prof Hovorka’s Artificial Pancreas Group at the University of Cambridge, where he is also pursuing his PhD in Pediatrics.

Dr Tauschmann’s scientific activities focus on diabetes technology, particularly closed-loop insulin delivery systems. With the team in Cambridge they have developed one of the currently used closed loop systems and they continue to test multiple systems to further improve these systems and render them accessible in pediatric care.

Dr Tauschmann was a clinical investigator in a variety of closed-loop outpatient studies demonstrating the safety, utility and effectiveness of closed-loop insulin delivery in adolescents and children aged 1 year and older. Results of these studies were published in high impact journals (e.g. New England Journal of Medicine, Diabetes Care) and support the adoption of closed-loop technology in clinical practice in paediatric age groups. As an active member of the pediatric scientific community on a national and international scale, Dr Tauschmann published a variety of review articles on diabetes technology, and also co-authored the sections of the ISPAD Clinical Practice Consensus Guidelines related to diabetes technology and hypoglycemia in children and adolescents with diabetes.
Due to the excellent submissions this year as well as exceptional support from JDRF, ISPAD was able to expand from 2 to 6 clinical fellowships awards to ISPAD members below age 45. In 2017-18, six Allan Drash Fellows were awarded. 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

Mohammad Hosny was awarded the Allan Drash Fellowship in 2017

Assistant Lecturer of Pediatric Diabetes and Endocrinology at Faculty of Medicine, Mansoura University, Mansoura, Egypt. Passed MBBCH, Master (M.Sc.) in pediatrics and MD exam in pediatrics 2008, 2013 and 2016 respectively. Working now at the Pediatric Diabetes and Endocrinology unit, Mansoura University Children Hospital, one of the largest referral centers all over Egypt for managing children with type 1 diabetes and different endocrinial problems. Member of several professional societies, both national and international, such as the Egyptian Society of Childhood Diabetes and Endocrinology (ESDEP), the Arab Society for Pediatric Endocrinology and Diabetes (ASPED) and the International Society for Pediatric and Adolescent Diabetes (ISPAD). Dr. Mohammad has previously been granted and attended the last ISPAD/ASPED Diabetes Postgraduate Course held in Dubai, United Arab Emirates.

- Mohammad Hosny Fellowship Report

Wafaa Laymoun was awarded the Allan Drash Fellowship in 2017

Wafaa Laymoun is working as a lecturer of pediatric endocrinology and diabetes at Mansoura Faculty of medicine and she is responsible for teaching medical students, fellows, nurses and health care professionals at the regional level. She is running specialized outpatient clinics and she provides clinical supervision for the inpatient cases. She was awarded travel grants to attend ASPED/ISPAD, ASPED/ESPE and ESPE-Diabetes Obesity Metabolism schools in 2015 and 2016 as well as an ESPE clinical fellowship. She is currently devoted to pediatric diabetes to be the next step in her career and education. She is dedicated to creating a national registry system for diabetes mellitus in children and adolescents in Egypt starting with the Delta region. Her second future plan is to establish insulin pump and continuous glucose monitoring services at her center.

- Wafaa Laymoun Fellowship Report
Naina Bhat
was awarded one of the **Allan Drash Fellowship** in 2017

Dr. Naina Bhat is a young Paediatric Endocrinologist from Bangalore, India. She completed her residency in Paediatrics and was awarded the Gold Medal in Paediatrics in the All India exit examination by the National Board of Examinations, Ministry of Health, Government of India. She then completed her training in Paediatric and Adolescent Endocrinology, at Indira Gandhi Institute of Child Health one of the premier public sector children’s hospitals in Bangalore and one among the four centres which offer this training in India.

Feny Patel
was awarded one of **Allan Drash Fellowship** in 2017

Feny Patel is working for Diacare - Diabetes and Hormone Clinic Ahmedabad, Gujarat, India, since 2014. She is involved in many research papers and projects such as “Changing Diabetes in Children- CDIC” and “Life for A Child -LFAC “. She aspires to pursue dedicating herself to Pediatric Diabetology, to the Type 1 as well as to the young adolescents and she aims at improving the existing standards of care, treatment, and education for Type 1 diabetes in India thanks to improvement in technology and management.

Joshua Ngwang Menang
was awarded one of **Allan Drash Fellowship** in 2017

Joshua Ngwang Menang is working for CALMEF Practice Cameroon since 2008 and is dedicated to building a better diabetes care program for his community. He is studying the impact of local dishes on type 1 diabetes and has translated several diabetes handouts into the local dialects. He is also interested in basic clinical sciences and researches, especially in critical pediatric care.
Dr. Arun Kumar Singh
was awarded one of Allan Drash Fellowship in 2017

Arun Kumar Singh is a Pediatrician, Neonatologist at Department of Pediatrics & Adolescents associated with B. P. Koirala Institute of Health Sciences, Dharan, Nepal, working for the child health sector and interested in treatment and management of Diabetics, Diabetics Type 1 and Diabetics Ketoacidosis and Endocrine Disease in Children.

- Dr. Arun Kumar Singh Fellowship Report

ISPAD-JDRF Research Fellowship

Again, due to the generous support and partnership of JDRF, we will continue to award 4 research fellowships awarded in 2018. One of the 4 research fellowships will be 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. An additional 3 ISPAD-JDRF research fellowship awards will be granted thanks to the generosity of JDRF after evaluation by the ISPAD AC committee with a deadline of submission of October 15, 2018.

2017 JDRF-ISPAD Fellowship awardees

Dr Petter Bjornstad, USA, was awarded a fellowship for the best Science School for Physicians presentation. Dr Bjornstad will continue his investigations of early diabetic kidney disease and specifically his Diabetic Kidney Alarm (DKA) study investigating changes in kidney function during presentation with DKA.

Dr Beata Malachowska, Poland, was awarded a fellowship for her project “Lysophosphatidic acid in pathogenesis of HNF1B-MODY syndrome – the role of kidney and adipose tissue” which will be performed at the Medical University of Lodz.
Dr Gianluca Tornese, Italy, was awarded a fellowship for his project titled “Role of taste in type 1 diabetes mellitus and its metabolic control” to be performed at the Institute for Maternal and Child Health IRCCS “Burlo Garofolo,” Trieste, Italy.

Dr Marie Beatrice Saade, Canada, was awarded a fellowship for the project ‘Optimal timing of carbohydrate intake to reduce exercise-induced hypoglycemia in children, a randomized cross over prospective study’ which will be performed at the University of Montreal/Centre Hospitalier Universitaire Ste-Justine.

2018-2019 – Allan Drash Fellowship

In 2018-2019, six Allan Drash Fellows were awarded. Full reports will be filed upon completion of their fellowships.

Allan Drash Clinical Fellowship 2018

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.

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 organising 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.

**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.

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.
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.

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.

For additional details see the full reports on the website: [http://www.ispad.org/?page=ISPADFellowships](http://www.ispad.org/?page=ISPADFellowships)
2016-2017 Research Fellow

Alfonso Galderisi, Italy, visited Professor William Tamborlane, USA

During the fellowship of Dr Alfonso Galderisi, he conducted his project ‘Inter individual and intra individual variability of insulin sensitivity in children with type 1 diabetes on sensor augmented pump: a new index for clinical use.”

His research resulted in one publication to date with more to follow: “The rs7903146 Variant in the TCF7L2 Gene Increases the Risk of Prediabetes/Type 2 Diabetes in Obese Adolescents by Impairing b-Cell Function and Hepatic Insulin Sensitivity” in Diabetes Care. See the ISPAD website for additional details and publications.

Science

1st ASPAE Summer School, March 11th -13th 2018
Nairobi

The first ever African diabetes and endocrinology summer school was held on 11-13th March 2018 in Nairobi, Kenya just ahead of the 9th Annual scientific conference of ASPAE.

Twenty-eight participants from 11 countries attended this landmark event which was characterised by a rich collection of clinical cases and the latest updates on diabetes and endocrinology care.

The clinical cases were of particular interest because they provided a window into the experiences and challenges faced by the budding paediatric endocrinologists on the continent.

ASPAE wishes to thank both ESPE and ISPAD for their invaluable financial and technical support during the summer school 2018.

The summer school announcement can be found at http://www.aspaed.org/summer-school-info/endocrine-diabetes-africa-summer-school/
ISPAD members were welcomed by Dr Sabine Hofer and the international organizing committee to the 43rd annual ISPAD conference in Innsbruck, Austria. 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 for the Summit in Diabetes Care and Research” suggests, this scientific meeting included all aspects of Pediatric Diabetes and other metabolic related diseases focusing on education 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 2017 Highlights by Agwu JC, Idkowiak J, Bull L, Ng SM, Dovč K, Ngwu U, Calliari LE, Maahs DM. ISPAD Annual Conference 2017 Highlights. Pediatr Diabetes. 2018 Aug;19(5):855-858. PMID: 29968361. Oral Presentations, Abstracts & ePosters from the conference can be viewed on ISPAD’s website at: http://medialibrary.ispad.cyim.com/ for those who could not attend in person to be informed. More details can be found at: https://2017.ispad.org/.
Pediatric Diabetes

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

The Impact Factor continues to increase and was 3.172 in 2017, ranking the journal at the 14/124 position in general pediatric and as 63/142 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>Year</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission to first decision</td>
<td>34.5</td>
<td>37.5</td>
<td>44</td>
<td>46</td>
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<tr>
<td>Submission to final decision</td>
<td>46</td>
<td>55</td>
<td>70</td>
<td>63</td>
</tr>
<tr>
<td>Submission to acceptance</td>
<td>95</td>
<td>96.5</td>
<td>106</td>
<td>100</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!
ISPAD Science School for Physicians (SSP), April 2017 (Cremona, Italy)

The ISPAD Science School for Physicians 2017 took place in Italy. It was organized by a numerous and engaged team from Italy and led by the dedicated conveners Professors Andrea Scaramuzza and Carine de Beaufort. 18 young physicians and researchers from 13 countries in 5 continents with a faculty of more than 15 experienced researchers, participated in a week full with lecturers, case- and research presentations and discussions on virtually all aspects of diabetes. The faculty lectures covered many different topics, such as micro and macrovascular complications, new technologies, genetics, registries, diabetes camps, statistics, bioinformatics etc. In addition to outstanding lectures from the faculty members, participants presented their own research and informative cases. The SSP provided, once again, an excellent venue for interactions between budding and experienced researchers and created a platform for further international collaboration and friendship.

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=SSHP

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:

<table>
<thead>
<tr>
<th>fellow from</th>
<th>18 countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>3</td>
</tr>
<tr>
<td>Asia</td>
<td>9</td>
</tr>
<tr>
<td>Europe</td>
<td>7</td>
</tr>
<tr>
<td>Oceania</td>
<td>2</td>
</tr>
<tr>
<td>North America</td>
<td>3</td>
</tr>
<tr>
<td>South America</td>
<td>1</td>
</tr>
</tbody>
</table>
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.”

JENIOUS

As a spin off from the 2015 Science School for Physicians that took place in Milan, a group of alumni of participants have gone on to create the JENIOUS group 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.
Various Post Graduate courses in 2017-2018

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

4th ASPED-ISPAD Lilly Diabetes Academy, 19-21 April 2018 (Dubai, United Arab Emirates)
The 4th 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. It offered again networking opportunities for future clinical collaboration or research ideas. You will find the complete Report on the ISPAD Postgraduate Courses webpage: https://www.ispad.org/page/ISPADPG.

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. You will find the complete Report on the ISPAD Postgraduate Courses webpage: https://www.ispad.org/page/ISPADPG.

Further courses were held and will be updated on the ISPAD website and additional courses are planned for 2018-19.
**Life for a Child (LFaC)**

The International Diabetes Federation’s 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 15th 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 and Angie Middlehurst in the driver seats, is based in Sydney, Australia ([www.ispad.org](http://www.ispad.org) postgraduate courses) [www.IDF.or /lifeforachild](http://www.IDF.or /lifeforachild)

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**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](http://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 45 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. 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
Download Chapter

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
Download Chapter

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
Download Chapter

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
Download Chapter
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 Highlights
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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 Highlights
Download Chapter

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 Highlights
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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 Highlights
Download Chapter

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 Highlights
Download Chapter

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 Highlights
Download Chapter
Chapter 10: Nutritional management in children and adolescents with diabetes
Carmel E. Smart, Francesca Annan, Laurie A. Higgins, Elisabeth Jelleyd, Mercedes Lopez and Carlo L. Acerini
Chapter Highlights
Download Chapter

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
Download Chapter

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
Download Chapter

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
Download Chapter

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
Download Chapter

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

Chapter 23: Limited Care Guidance Appendix
Ethel Codner, Carlo Acerini, Maria E Craig, Sabine Hofer and David Maahs
Download Chapter

- Additional Chapter - (published July 20, 2017): Managing diabetes in preschool children
Download Chapter
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 CONTRIBUTERS

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

ISPAD performance on Social Media

Over the last year, ISPAD continued improving its visibility on social media. The ISPAD Facebook page has now reached 1800 followers, and the Twitter account 926 followers without any resort to paid campaign tools.

Between September 2017 and September 2018, 93 Facebook posts were published, and more than 130 publications tweeted or retweeted to inform, promote, illustrate and report ISPAD news and activities.

2018 Facebook Followers' profile

As for the previous years, it is more difficult to get detailed statistics on a Twitter account. For this reason, the graph presented below illustrates the aggregated demographic data about the ISPAD Facebook page followers. The gender and age repartitions do not differ from the previous year.
Most successful publications

As for the previous years, all most successful publications in terms of reach and engagement include pictures.

- **22/09/2017**: 6,959 people reached
  - 166 likes, 10 loves, 5 comments, 29 shares

- **19/10/2017**: 4,635 people reached
  - 26 likes, 3 shares
  “November is Diabetes Awareness Month! ISPAD would like to thank its members for their care, advocacy, and research efforts. Together we are making the world better for children, adolescents and young adults with diabetes” + picture

- **19/10/2017**: 2,144 people reached
  - 116 likes, 5 loves, 2 comments, 6 shares
  “Inspirational dialogue with Professor Joseph Wolfsdorf at JENIOUS session during #ISPAD2017 Innsbruck Conference” + picture

- **06/03/2018**: 1,294 people reached
  - 41 likes, 1 loves, 2 comments, 6 shares
  “Science School for Healthcare Professionals 2018 - Call for Applications!
Are you an allied healthcare professional? Do you have or wish to develop a research interest in diabetes in the young? Then apply for ISPAD’s Science School for Healthcare Professionals here: [http://bit.ly/2Fh0Cih](http://bit.ly/2Fh0Cih) Application Deadline is April 9, 2018!” + picture

The most popular tweets in terms of favorite and retweets are presentation of ISPAD 2017 Annual Conference Speakers and session topic (with pictures and the hashtag #ISPAD2017).
ISPAD Website

We have seen a clear increase (+ 45% in average) in user number from year 2016-2017 to year 2017-2018. The time of the 2017 Conference led to an upsurge in numbers of website visitors.

As in previous years, the United States still represent most of the website visitors. India is the second country from where ISPAD website user come from. See the country ranking in number of users below:

<table>
<thead>
<tr>
<th>Country</th>
<th>Users</th>
<th>% of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States</td>
<td>8,211</td>
<td>(13.53%)</td>
</tr>
<tr>
<td>India</td>
<td>6,413</td>
<td>(10.57%)</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>4,427</td>
<td>(7.29%)</td>
</tr>
<tr>
<td>Australia</td>
<td>2,655</td>
<td>(4.37%)</td>
</tr>
<tr>
<td>Mexico</td>
<td>2,273</td>
<td>(3.75%)</td>
</tr>
<tr>
<td>Canada</td>
<td>2,036</td>
<td>(3.35%)</td>
</tr>
<tr>
<td>Spain</td>
<td>1,408</td>
<td>(2.32%)</td>
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<tr>
<td>Italy</td>
<td>1,406</td>
<td>(2.32%)</td>
</tr>
<tr>
<td>France</td>
<td>1,390</td>
<td>(2.29%)</td>
</tr>
<tr>
<td>Germany</td>
<td>1,350</td>
<td>(2.22%)</td>
</tr>
</tbody>
</table>

Report of Director of Communications, Jamie Wood
and Social Media Coordinator, 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 KIT. 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 Website continued to be improved; tabs were reorganized, links were tested. There are now four special interest groups (JENIOUS, Diabetes Nurse Education, Mental Health, and Nutrition) who have their own page on the website. As detailed above, we have seen a significant increase in visitors to our website and the number of people our social media posts are reaching. 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.

The ISPAD website (introduced in May 2015) is getting more and more visitors each year. This past year saw 15,000 more visitors to the website than last year. In addition, a higher percentage of visitors are returning to the website and spending longer periods of time on the website. Our recent focus has been to systematically go through the website to ensure that all of the links and content are up to date and accurate. We have also increased our efforts to have all ISPAD activities summarized and placed on the website. The JENIOUS group now has its own section of the website, where young healthcare providers can network and share ideas. Each year more and more conference resources can be found on the website including plenary sessions and eposters. This is a great way to listen to lectures or view posters that you may have been unable to attend.

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 are currently being developed and will be released soon on the website for member review and comments prior to publication. Our goal is for the ISPAD website to be an efficient resource for our membership, so if you have any suggestions for improvement, find a glitch or link that is not working, do not hesitate to contact your webmaster.

Jamie Wood
Roque Cardona Hernandez
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 Orlando at the 78th ADA meeting, was: “Joint ADA/ISPAD Symposium—25 Years after the Announcement of the DCCT Results—What Is the Status of Type 1 Diabetes in Youth, and How Can We Do Better?”

The symposium was extremely well attended and excellent presentations were followed by a lively discussion.

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.

http://2015.ispad.org/jointispad-apeg2015/home

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 second ISPAD-ASPED-LILLY postgraduate course was held in May 2016.

In 2018 the next collaborative course will be organized and take place in Dubai. A call for Applications will be published soon after ISPAD’s Annual Conference.

Collaboration with African Society for Pediatric and Adolescent Endocrinology (ASPAE)

The annual meeting of ASPAE was held in Khartoum and included 350 attendees from 15 countries. This year ISPAD was represented by Ragnar Hanas. More details can be found in the report on the ISPAD website: http://www.ispad.org/?page=ASPAE2016Report

Indian Society for Pediatric and Adolescent Endocrinology (ISPAE)

In association with ISPAD, ISPAE organizes its mid-term meeting with a focus on Diabetes, Sugars & Beyond. ISPAD looks forward to further collaboration with ISPAE and in 2018 ISPAD's Annual Conference will be convened in Hyderabad, India.

European Society for Paediatric Endocrinology (ESPE)

Different projects continue in collaboration with ESPE such as the PECT(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.
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.

Creating more awareness has led to the initiative to organize a pediatric endocrine diabetes symposium during the Fourth Global Symposium on health systems research (2016):

Navigating the treacherous river of access to essential medicines:

Experience in Pediatric Endocrinology and Diabetes

**Thematic area:** Engaging power and politics in promoting health and public value

ISPAD will be represented by Graham Ogle, who will discuss the challenges around access to insulin and blood glucose measurement material.


[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 Abu Dhabi, the ISPAD lecture was traditionally given by the ISPAD President, and Joseph Wolfsdorf gave an excellent lecture. Further collaborative projects will be pursued with the focus on children with diabetes.

[www.idf.org](http://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 2019. In addition, JDRF generously supported an additional 6 Drash Fellowships in 2018. 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

Future Conference

ISPAD 2019 - 45th Annual Conference

Location: Boston, MA, USA
Dates: October 30-Nov 2, 2018
Conclusion

2017-2018 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 as well as that of all ISPAD members and our corporate partners.

David M. Maahs
ISPAD Secretary General 2016-2020
V. ISPAD Treasurer’s Report

by Andrea Scaramuzza

ISPAD has been registered as a Charity in England and Wales (Charity Number 1126927) since 2008. The Annual Accounts for the financial year 2017-2018 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, 2017 and ended on June 30, 2018

Revenues

We have been successful again in realizing profits from our Annual Conference, held in in Innsbruck in 2017, through the efforts of our association and conference management company K.I.T. Group GmbH as well as the excellent organization committee in Innsbruck led by Professor Sabine Hofer together with Birgit Rami-Merhar and Elke Fröhlich-Reiterer.

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.

ISPAD’s Science School for Physicians was held in Cremona (convenors Carine de Beaufort and Andrea Scaramuzza) and was funded partially by Novo Nordisk, Medtronic, Ascensia and Terumo and for the little remnant part by ISPAD itself. The 2017 Science School for Healthcare Professionals was held in Innsbruck and once again was sponsored by Animas/LifeScan.

The membership revenues remain compromised by some members failing to pay their fees. 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 2017 ended, 273 new members have joined ISPAD and together with the ones who renewed their memberships as of July 1, 2017, the total ISPAD members was 1073. 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 Sponsors 2017-18**

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 Sponsors in 2017-2018**

**Three Star**

![Dexcom](image1.png) ![Lifescan](image2.png) ![Lilly](image3.png) ![Medtronic](image4.png) ![Novo Nordisk](image5.png)

We thank our partners 2017-2018:
Annual Conference Sponsors, Innsbruck 2017

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

This year, we are grateful to:

**PLATINUM**

![Lilly Diabetes](image1)
![Novo Nordisk](image2)

**GOLD**

![Medtronic](image3)
![A. Menarini Diagnostics](image4)
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.

Personal applications for free or reduced membership fees are made directly to the Treasurer. 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). 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 28,800 USD for ISPAD 2018) and special travel grants, (pledged approximately 18,000 USD 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 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.

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

**Financial Situation in the Year 2017-18**

The analysis depicting ISPAD’s economic situation in the financial year 2017-18 is based on the financial transactions in ISPAD’s draft accounts for 2017-18.

**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 2017-18 Accounts (2016-17 from published accounts)
£535,261 (£585,568 2016-2017)

Income 2017-2018

- Membership Income: £101,626
- Corporate sponsorship: £269,997
- Conference Income: £134,904
- Donations: £8,326

Total £535,261
Expenditures

Total Expenditure £480,466 (£449,396 2016-2017)

Explanatory Notes

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
VI. Society’s Figures and Numbers

2013 – 2018 ISPAD Membership*

*Figures based on membership at 30/06/2018

ISPAD Members*

<table>
<thead>
<tr>
<th>Profession</th>
<th>Nb of members</th>
<th>%</th>
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<tbody>
<tr>
<td>Physicians</td>
<td>786</td>
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<td>Students</td>
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<tr>
<td>Nurses</td>
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<tr>
<td>Other</td>
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<td>Psychologists</td>
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*Figures based on membership at 30/06/2018
### ISPAD Members sorted by countries

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<th>Country</th>
<th>Qty</th>
<th>Country</th>
<th>Qty</th>
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* Data based on membership figures at 30/06/2018
* Figures based on membership at 30/06/2018
ISPAD Members sorted by age group (based on year of birth)

* Figures based on membership at 30/06/2018

ISPAD Members sorted by Fee Type

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<th>Fee Type</th>
<th>No. of Members</th>
<th>Percentage</th>
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<td>Low Income</td>
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<tr>
<td>Standard</td>
<td>875</td>
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<tr>
<td>Lower Middle Income</td>
<td>175</td>
<td>16.3</td>
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</table>

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

<table>
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<tr>
<th>Profession</th>
<th>No. of Members</th>
<th>Percentage</th>
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<tr>
<td>Physicians</td>
<td>788</td>
<td>73.3</td>
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<tr>
<td>Non-Physicians</td>
<td>201</td>
<td>18.7</td>
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<tr>
<td>Students</td>
<td>86</td>
<td>8</td>
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</tbody>
</table>

#### Pie Chart: No. of Members by Membership Type

- Physicians: 786
- Non-Physicians: 201
- Students: 86
International Society for Pediatric and Adolescent Diabetes (ISPAD)
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Fax: +49 30 24603200
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www.ispad.org