



ABSTRACTS

XXIX Annual Meeting of the Latin American Society for Pediatric Endocrinology (SLEP) and XXI Annual Congress of the Mexican Society of Pediatric Endocrinology

Mérida, Mexico, November 30 to December 5, 2020

Guest Editors

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Hugo Fideleff, Buenos Aires, Argentina

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Speakers

Alexander Augusto de Lima Jorge

Associate Professor of the Discipline of Endocrinology and Metabology at the Faculty of Medicine of the University of São Paulo and an endocrinologist and researcher at the Hospital das Clinics da FMUSP. Responsible for the Endocrinology-Genetics Unit and researcher at the Development Endocrinology Unit. Registered Advisor of the Endocrinology Discipline of FMUSP. Responsible for outpatient clinics at the Hospital das Clinics of FMSUP to assist patients with growth disorders and genetic diseases in endocrinology. Coordinator of two mandatory disciplines of the undergraduate course in Medicine at USP (Fundamentals and Clinical Bases of Endocrinology and Metabology) and an optional discipline (Molecular Genetics in Practice Clinic). Member of the Course Coordinating Committee of FMUSP and representative of the Department of Clinical Medicine in the Undergraduate Commission. Editorial activities: Member of the editorial board of the Archives of Endocrinology and Metabolism. Member of the editorial corporation of The Endocrine Review (2016 to 2018). Co-editor of the Archives Brazilian of Endocrinology and Metabology from 2009 to 2014. Curator of the site The Growth Genetic Consortium (2014-2018). Coordinator / Principal researcher of 3 CNPq Universal Projects; 2 regular grants from FAPESP and from a FAPESP themed project. Participation in international consensus meetings: "Diagnosis, Genetics, and Therapy of Short Stature in Children: A Growth Hormone Research Society International Perspective; and "First international consensus" in Silver-Russell syndrome. Several international classes. Co-author of book chapters on growth disorders in Sperling - Pediatric Endocrinology textbook. Regular collaboration with several international groups.

Eric Vilain

Is the James A. Clark Distinguished Professor of Molecular Genetics and Director of the Center for Genetic Medicine Research at Children's National Medical Center in Washington D.C. He is also the Chair of the Department of Genetics and Precision Medicine at George Washington University. His laboratory explores the genetics of sexual development, focusing on the molecular mechanisms of gonad development, as well as on the genetic determinants of brain sexual differentiation, including sexual orientation and gender identity. He has identified a large number of mutations in sex-determining genes, and developed animal models with atypical sexual development. He has received numerous awards, notably from the National Institute of Health, the March of Dimes, the Doris Duke Charitable Foundation and the Society for Pediatric Research and has published extensively in the field of sexual development. He is a Fellow of the American College of Medical Genetics, a Member of International Olympic Committee on Hyperandrogenism in Athletes and a member of the Board of Scientific Counselors for the National Institute of Child Health and Human Development (NICHD).

Fernando Cassorla

He received his medical degree from the University of Chile in 1973. Following his pediatric residency at the Albany Medical Center in New York, in 1976 he became a fellow in Pediatric Endocrinology at the Children's Hospital of Philadelphia, leading to his Board Certification both in Pediatrics and in Pediatric Endocrinology in 1980. He subsequently became an Associate Investigator at the Developmental Endocrinology Branch, National Institute of Child Health and Human Development in Bethesda, Maryland, rising to the position of Clinical Director of this Institute in 1990. He subsequently became Chief of Pediatric

Endocrinology at the Institute of Maternal and Child Research of the University of Chile, where he has held this position since 1993. He has trained over 50 fellows in this specialty, both at the NIH in USA, and at the University of Chile. He has edited 3 texts and written 36 chapters in pediatric endocrinology, has authored, or co-authored 221 original articles in peer reviewed journals, and presented over 300 abstracts at scientific meetings. He has received several international awards, such as the Distinguished Clinical Teacher Award and the Director's Award at the NIH, and the Maestro Award from the Latin American Society of Pediatric Endocrinology, society which he has served both as President and Secretary General. In addition, He was elected to the Chilean Academy of Medicine for a lifetime position in the year 2003.

Gil Guerra-Júnior

Is a full professor of Pediatrics at the School of Medical Sciences in the State University of Campinas (UNICAMP), Campinas, Brazil. He is a pediatric endocrinologist as well as a clinical researcher. Dr. Guerra-Júnior is a principal investigator in the Growth and Development Laboratory at the Center for Investigation in Pediatrics at UNICAMP. He is an expert in disorders of sex development and growth and puberty disorders. He published more than 250 papers and has already supervised 36 undergraduate students (scientific initiation), 21 master students, 24 doctoral students and 4 post-doctoral students.

Jesús Argente

Professor and Director of the Department of Pediatrics at the Autonomous University of Madrid, Head of the Pediatrics and Endocrinology Service of the Hospital Infantil Universitario Niño Jesús, and Head of the CIBER Group of Physiopathology of Obesity and Nutrition (CIBEROBN). Degree in Medicine, University of Zaragoza., Specialist in Pediatrics and Childcare, Hospital Ramón y Cajal, Madrid. Doctor of Medicine, University of Alcalá de Henares, Madrid. Specialist in Child Endocrinology, University René Descartes, Paris. Accreditation in Pediatric Endocrinology from the A.E.P.

He has led countless research projects from a translational perspective, combining basic, genetic and clinical research. The result of them are his innumerable research works, mainly focused on growth, as well as puberty and obesity, many of them in collaboration with other national and international researchers, which are reflected in numerous publications, books, doctoral theses. On three occasions he has received the "Henning Andersen" Award from the European Society for Pediatric Endocrinology (ESPE). He has received fifty-five awards from de SEEP. The Visionary Award de la American Human Growth Foundation, 2020.

Juliane Léger

Professor Juliane Léger is the head of the French National Reference Centre of Growth and Development Endocrine Disorders and co-chair of the Pediatric Endocrinology Diabetology department at the Robert Debré University Hospital in Paris (University de Paris) She is an active member of the European society for Pediatric Endocrinology, the Endocrine Society and the Growth Hormone Research Society for many years and also serves as Editor for the European Journal of Endocrinology. Her research interests include various aspects of thyroid, pituitary and pubertal diseases management and epidemiology of rare growth endocrine disorders.

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. He is the Director of the Institute for Endocrinology and Diabetes, the National Center for Childhood Diabetes at 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, Tel-Aviv. Is active in both clinical and basic research focusing on childhood diabetes, growth, and nutrition, specifically on diabetes technologies and the interaction between nutrition and growth. is a member of national and international organizations such as the Israeli National Committee for Diabetes, International Society for Pediatric and Adolescent Diabetes (ISPAD), European Society for Pediatric Endocrinology (ESPE) Pediatric Endocrine Society (PES), Endocrine Society and more. He is co-founder and Co-Chairman of the International Conference for Advanced Technologies and Treatments for Diabetes (ATTD) and the International Conference on Nutrition and Growth (N&G). Prof. Phillip has more than 400 manuscripts, the ATTD Yearbook, N&G yearbook, as well as chapters in other books.

Silva Arslanian

Is Professor of Pediatrics, and Professor of Clinical and Translational Science Institute at the University of Pittsburgh, School of Medicine. She holds the Richard L. Day Endowed Chair in Pediatrics, at the UPMC Children's Hospital of Pittsburgh. She is the Director of the National Institutes of Health (NIH)-funded Pediatric Clinical and Translational Research Center, and the Scientific Director of the Center for Pediatric Research in Obesity & Metabolism at the University of Pittsburgh, Children's Hospital of Pittsburgh.

Dr. Arslanian obtained her medical degree from the American University of Beirut and completed her pediatric residency training at the same institution. She completed her fellowship in Pediatric Endocrinology at the Children's Hospital of Pittsburgh.

Dr. Arslanian is funded by NIH, Research Foundations and Pharmaceutical Companies. Her research focus is insulin sensitivity and beta cell function during childhood growth and development, in health and disease (obesity, pre diabetes, Type 2 diabetes, metabolic syndrome, PCOS), and racial contrast in risk for the aforementioned. She has served the national and international scientific communities in various capacities. She has been a member of several consensus panels including the European Society for Pediatric Endocrinology "Childhood Insulin Resistance", the Endocrine Society "PCOS Guidelines", the Endocrine Society "Childhood Obesity Guidelines", the American Diabetes Association (ADA) "Type 2 diabetes in youth", and the International Study of Pediatric and Adolescent Diabetes (ISPAD) "Type 2 diabetes in youth". Dr. Arslanian is the recipient of several prestigious awards for her seminal contributions in advancing scientific discoveries in pediatric insulin resistance, beta cell function and type 2 diabetes. She has more than 250 publications, and has been an invited lecturer and chairperson at various national and international congresses.

Stephen Rosenthal

Is co-founder and medical director of the multidisciplinary UCSF Child and Adolescent Gender Center (CAGC), where he cares for young transgender patients. He also cares for pediatric patients with endocrine disorders, such as abnormalities involving thyroid function or growth and puberty. He previously served as program director for pediatric endocrinology and director of the pediatric endocrinology clinics. Rosenthal earned his medical degree from the Vagelos College of Physicians and Surgeons at Columbia University, where he also completed a residency in pediatrics. He completed a fellowship in pediatric endocrinology at UCSF. An active member of the Pediatric Endocrine Society, Rosenthal has served as its president and on multiple committees. He also serves on the board of directors for the Endocrine Society. When that international organization created a task force to revise guidelines on care of transgender patients, he served as the Pediatric Endocrine Society's official representative and as a co-author. Rosenthal feels fortunate to work in gender health and to be part of a dedicated care team. An avid figure skater outside of work, he has participated in adult competitions both nationally and internationally.

Steven Waguespack

Is a Professor in the Department of Endocrine Neoplasia and Hormonal Disorders at the University of Texas MD Anderson Cancer Center in Houston, TX, USA. Trained in both adult and pediatric endocrinology, Dr. Waguespack has been at the MD Anderson Cancer Center since 2002 and is consistently recognized as one of "America's Top Doctors for Cancer" in endocrinology. Although his scope of practice is broad, Dr. Waguespack's major clinical and research interests are thyroid cancer and hereditary endocrine tumor syndromes. He served as a member of the ATA task force that revised the medullary thyroid cancer guidelines in 2015 and was also a co-chair of the inaugural ATA guidelines for pediatric thyroid nodules and thyroid cancer. Considered to be an expert in thyroid cancer and other endocrine malignancies, Dr. Waguespack is privileged to be able to care for patients with these diseases across the age continuum.

María Verónica Mericq

Is Professor at the Institute of Maternal and Child Research, Faculty of Medicine, University of Chile and member of the unit of Pediatric endocrinology at Pediatric Department of Clinical Las Condes. Dr. Mericq performed her residence in Paediatrics and fellowship in Endocrinology at the Faculty of Medicine, University of Chile. She next spent 2 years as a visiting fellow at the Developmental Endocrinology Branch, NICHD, NIH between 1996 and 1998 and a short rotation at Joslin Diabetes Clinic, Pediatric department, Boston, in USA, in 2003. She has participated in several financed research trials as coinvestigators and as PI. She has more than 160 publications in peer review journals, 9 chapters in Endocrinology books. She is member of ESPE, Endocrine society, SLEP, ALAD, ISPAD and Chilean society of endocrinology and Paediatrics. She participated in the development of the consensus statement of Small for gestational age and in the consensus of Insulin resistance in Childhood as a delegate from SLEP. She also has received several awards along her career starting with the best Medical student and Best internship in her Medical Faculty, the ALAD award to Young investigator, ESPE mid-career award, Cesar Bergada Lecture, Chilean Academy of Medicine investigator award and several other recognitions at SLEP and endocrine society abstracts.

Tribute to the Reviewers

SLEP relies upon its many reviewers for their generous donations of time, expertise effort, and patience. The Scientific Committee and Dr. Margarita Torres Tamayo would like to take this opportunity to thank them publicly for their efforts. We are grateful for their help and honored that they are willing to assist us in maintaining high standards

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Silvia Quintana Vargas
María Verónica Mericq

Scientific Program

November 30, Monday

07:00–08:00

Lecture 1

Genetic foundations of childhood obesity: Diagnostic-therapeutic interest

Speaker – *Dr. Jesús Argente (Spain)*

15:00–16:00

Symposium ULTRAGENYX

Rickets and X-linked hypophosphatemia

Dr. Hamilton R. Cassinelli (Argentina)

16:00–17:00

César Bergadá Conference

Speaker – *Dr. Alexander Lima Jorge*

17:00–18:00

Master of Endocrinology

Speaker – *Dr. Gil Guerra-Júnior*

18:00

Opening Ceremony

December 1, Tuesday

07:00–08:00

Lecture 2

Clinical-molecular approach to the genetic bases of short stature

Speaker – *Dr. Jesús Argente (Spain)*

11:00–12:00

Oral Presentations

1.- (OP1)

2.- (OP2)

3.- (OP3)

4.- (OP4)

5.- (OP5)

15:30–16:30

Lecture 3

Thyroid sequelae of thyroid cancer therapy

Speaker – *Dr. Steven Waguespack (USA)*

16:30–18:00

Symposium MERCK

Long term observation of de child born SGA, a case study Kingaroo program Colombia

Dra. Camila Cespedes (Colombia)

Evidence-based diagnostic approach in children referred for growth failure, and the role of RWE and digital driven data

Dr. Jan-Maarten Wit (The Netherlands)

Easypod connect system data analysis

Dr. Quentin Le Masne (France)

December 2, Wednesday

07:00–08:00

Lecture 4

Perinatal risk factors associated to obesity development
Speaker – *Dra. Patricia Medina Bravo (Mexico)*

11:00–12:00

Oral Presentations

- 1.- (OP6)
- 2.- (OP7)
- 3.- (OP8)
- 4.- (OP9)
- 5.- (OP10)

15:30–16:30

Lecture 5

Transient thelarquia and adrenaquia
Speaker – *Dra. María Verónica Mericq (Chile)*

16:30–18:00

Symposium PFIZER

Transition management in patients treated with growth hormone
Dra. Mirta Miras and Dr. Hugo Boquete (Argentina)

December 3, Thursday

07:00–08:00

Lecture 6

Diagnosis and pharmacologic management of hyperthyroidism in teenagers
Speaker – *Dra. Juliane Léger (France)*

11:00–12:00

Oral Presentations

- 1.- (OP11)
- 2.- (OP12)
- 3.- (OP13)
- 4.- (OP14)
- 5.- (OP15)

15:30–16:30

Lecture 7

Sensitivity and specificity of diagnostic tests for GHD
Speaker – *Dr. Fernando Cassorla (Chile)*

16:30–18:00

Symposium SANDOZ

Application of genetic tests in the multidisciplinary approach to short stature
Dra. Nayely Garibay N. and Dra. Gloria Queipo G. (Mexico)

December 4, Friday

07:00-08:00

Lecture 8

Digital clinic and decision support systems

Speaker – *Dr. Moshe Phillip (Israel)*

11:00–12:00

Oral Presentations

1.- (OP16)

2.- (OP17)

3.- (OP18)

4.- (OP19)

5.- (OP20)

15:30–16:30

Lecture 9

New contributions from molecular biology for the diagnosis of disorders/differences of sex development

Speaker – *Dr. Eric Vilain (USA)*

16:30–18:00

Symposium NOVO NORDISK

Treatment of childhood cancer and associated endocrine late effects

Dr. Charles A. Sklar (USA)

Therapeutic Management with basal insulin analogues in T1D

Dr. Luis Eduardo Calliari (Brazil)

December 5, Saturday

07:00–08:00

Lecture 10

Response to the glucose tolerance test as a predictor of beta cell failure

Speaker – *Dr. Silva Arslanian (USA)*

14:00–15:00

Symposium ABBOT

Dynamic glucose management with a flash glycemic monitoring system

Dr. Roque Cardona Hernández (Spain)

15:00–16:00

Lecture 11

The role of the endocrinologist in gender dysphoria.

Dr. Stephen Rosenthal (USA)

16:00

Closing Session