



האגודה
הישראלית
לאנדוקרינולוגיה

IES Israel
Endocrine
Society

The 48th Annual Meeting of the Israel Endocrine Society

April 7-8, 2019, Hilton Tel Aviv Hotel

CONFERENCE TIME TABLE

PROGRAM AT A GLANCE

Sunday, April 7, 2019			
07:30-08:30	Registration and Gathering		
08:30-10:00	Parallel Oral Presentations		
	Thyroid Chairs: Dania Hirsch, Carlos Benbassat Hall A	Reproduction Chairs: Talia Geva Eldar, Joseph Orly Hall B	Obesity, Metabolic Syndrome Chairs: Yonit Marcus-Perلمان, Rosane Abramof-Ness Hall C
10:00-10:20	Coffee Break		
10:20-11:20	Poster Session	Poster Hall	
11:20-12:10	Prize lectures		Hall A
	Chair: Avraham Karasik Lindner Prize , Eyal Robenshtok Chowers Prize , Yael Riahi Outstanding Community Physician Award , Elizabeta Baron		
12:10-13:00	Plenary lecture 1		Hall A
	Fat in the Blood, Fat in the Heart Ira Goldberg , <i>NYU School of Medicine, NYU Langone Health</i> Chair: <i>Hannah Kanety</i>		
13:00-14:00	Lunch		
14:00-15:30	Parallel Symposia		
14:00-14:30	Symposium 1 Congenital Adrenal Hyperplasia (CAH) in 2019 Chairs: Naomi Weintrob, David Zangen	Hall A	Symposium 2 Big Data – Digital Health in Endocrinology Chairs: Moshe Phillip, Irit Hochberg
	Nils P Krone Molecular Pathogenesis of Rare Forms of CAH <i>Academic Unit of Child Health Dep. of Oncology & Metabolism University of Sheffield; Sheffield Children's Hospital, Western Bank, UK</i>		Varda Shalev Big Data: From Research to Value <i>Director of research and innovation institute Maccabi and Morris Kahn. Tel Aviv university, Sackler School of Medicine</i>
14:30-15:00	Naomi Weintrob¹, David Zangen² Genotype DOES Predict Phenotype in CAH Secondary to 21 -Hydroxylase Deficiency- The Israel Experience ¹ <i>Department of Pediatrics, Meir Medical Center</i> ² <i>Hadassah Medical Center</i>		Shiri Salomon Changing the Landscape of Osteoporosis- Artificial Intelligence to Detect at-Risk Individuals <i>Zebra Medical Vision</i>
	Adi Mory 21-Hydroxylase Deficiency, Insights from the Molecular Lab and Implication for the Clinic <i>Genetic Laboratory, Rambam Health Care Campus</i>		Eran Atlas The Emerging "Digital Diabetes -Clinic" <i>CEO, DreaMed Diabetes</i>

15:30-15:50	Coffee Break	
15:50-16:50	Meet the Expert Novel Avenues in the Management of Congenital Adrenal Hyperplasia Nils P Krone <i>Sheffield, UK</i>	Meet the Expert Endocrine Hypertension Felix Beuschlein <i>University Hospital of Zurich</i>
16:50-17:30	IES Members General Assembly Executive Committee Report Accountant Report	

Monday, April 8, 2019			
07:30-08:00	Registration and Gathering		
08:00-09:30	3 Parallel - Oral Presentations		
	Bone Metabolism Chairs: Pnina Rotman, Yankel Gabet Hall A	Diabetes, Basic and Clinical Chairs: Sigal Shaklai, Amir Tirosh Hall B	Neuroendocrinology and Adrenal Chairs: Ester Osher, Ilan Shimon Hall C
09:30-09:50	Coffee Break		
09:50-10:40	Plenary lecture 2 Felix Beuschlein, The ESE Lecture Recent Advances in Deciphering the Genetic Basis of Endocrine Hypertension <i>University Hospital of Zurich</i> Chair: Naftali Stern		
	Parallel Symposia		
10:40-12:10	Symposium 3 Lipids, Inflammation and Atherosclerosis - What's new? Chair: Hilla Knobler, Hofit Cohen Hall A	Symposium 4 New Directions in Growth Hormone-IGF1 Research Chair: Haim Werner, Yona Greenman Hall B	
	Ira Goldberg Diabetes, Lipids, and Macrovascular Complications <i>NYU School of Medicine, NYU Langone Health, USA</i>	John Kopchick GH Effects on Fat in Humans and Mice; Cellular Impact and 'Big Data' <i>Edison Biotechnology Institute, Ohio University; Athens, OH, USA</i>	
11:10-11:40	Hilla Knobler Lipoprotein a: When to Measure and How to Treat? <i>Diabetes, Endocrinology & Metabolism Institute, Kaplan Medical Center, Rehovot</i>	Gil Atzmon " Longevity: is taller better?" <i>University of Haifa and Albert Einstein College of Medicine, NY</i>	
11:40-12:10	Yehuda Kamari Targeting Inflammation for Prevention of Recurrent Cardiovascular Events <i>Sheba Medical Center, Ramat Gan</i>	Ehud Cohen The Role of the IGF1 Pathway in Neurodegenerative Disorders: Mechanisms and Therapeutic Opportunities <i>The Hebrew University of Jerusalem</i>	

12:10-12:20 12:20-13:10	Prizes for the Best Abstracts and Posters		Hall A
	Plenary lecture 3 John Kopchick , <i>Ohio University</i> Growth Hormone, Mini-mice, Football, Dirty Shorts, and a New Drug Chair: Zvi Laron		
13:10-14:10	Lunch		
Parallel Symposia			
14:10-15:40	Symposium 5 Mechanisms of Metabolic Surgery and Incretin Therapies for Diabetes and Obesity Chair: Gil Leibowitz, Benjamin Glaser	Hall A	Symposium 6 Central Control of Reproductive Function Chairs: Philippa Melamed, Adi Avrech
14:10-14:40	Danny Ben Zvi Sleeve Gastrectomy Improves Glycemia Independent of Weight Loss <i>The Hebrew University of Jerusalem</i>		Philippa Melamed Early-life Stress and Effects on Adult Reproductive Function <i>Faculty of Biology; Technion Institute of Technology, Haifa</i>
14:40-15:10	Sigal Fishman GIP Regulation of Body Weight and Inflammation <i>Sourasky Medical Center, Tel Aviv</i>		Manuel Tena-Sempere Metabolic-Reproductive Connections: Molecular Basis for Disordered Puberty in Malnutrition and Obesity <i>Physiology Section, Faculty of Medicine University of Cordoba, Spain</i>
15:10-15:40	Ofri Mosenzon The Present and Future of Incretin Therapies for Obesity and Diabetes <i>The Diabetes Unit Hadassah University Hospital, Ein Kerem; Jerusalem</i>		Dalit Modan Gonadotropins Role in Mediating the Medical Complications of Anorexia Nervosa <i>Pediatric Endocrinology and Diabetes Unit; The Edmond and Lily Safra Children's Hospital, Sheba Medical Center</i>
15:40-15:50	Coffee Break		
15:50-16:50	Meet the Expert: Lipid disorders Ira Goldberg <i>NYU School of Medicine, NYU Langone Health</i>		Hall A



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PROGRAM

SUNDAY, APRIL 7, 2019

07:30-08:30 Registration and Gathering

08:30-10:00 **Thyroid** Hall A
Chairs: **Dania Hirsch, Carlos Benbassat**

08:30 **Thyroidectomy & Parathyroidectomy: TransOral Endoscopic TransVestibular Approach (TOETVA)**

Avi Hefetz, Niddal Assadi, Eran Alon

A.R.M Clinics, A.R.M Otolaryngology Head and Neck & Maxillofacial Surgery

08:42 **Urinary Iodine Content (UIC) and its Correlation to Maternal and Neonatal Thyroid Functions in Israel**

Tal Schiller¹, Hilla Knobler¹, Arnon Agmon², Viviana Ostrovsky¹, Taiba Zornitzki¹

¹*Diabetes, Endocrinology and Metabolism Unit, Kaplan Medical Center*

²*Lev Tel-Aviv Women's Health Center, Clalit Health Services*

08:54 **Thyroid Dysfunction and Mortality in Cardiovascular Hospitalized Patients – A 12 years Follow-up Observational Study**

Meir Frankel¹, Feras Bayya², Rivka Farkash², Michael Glikson², Gabriel Munter¹

¹*Endocrinology Unit, Shaare-Zedek Medical Center*

²*Cardiology Department, Shaare-Zedek Medical Center*

09:06 **Thyroglobulin and Anti-thyroglobulin Antibodies Following Lobectomy: Implications for Response to Therapy Restaging System**

Amit Ritter^{2,4}, Gideon Bachar^{2,4}, Ilan Shimon^{1,4}, Dania Hirsch^{1,4}, Carlos Benbassat^{3,4},

Talia Diker-Cohen^{1,4}, Hadar Duskin-Bitan^{1,4}, Eyal Robenshtok^{1,4}

¹*Endocrinology Institute, Rabin Medical Center*

²*Department of Otorhinolaryngology, Head and Neck Surgery, Rabin Medical Center*

³*Endocrine Institute, Assaf Harofeh Medical Center*

⁴*Sackler Faculty of Medicine, Tel Aviv University*

09:18 **Response to Therapy Assessment in Intermediate-Risk Differentiated Thyroid Cancer Patients – Is rhTSH Stimulation Required?**

Itamar Moreno², Ilan Shimon^{1,2}, Dania Hirsch^{1,2}, Carlos Benbassat^{2,3},

Eyal Robenshtok^{1,2}

¹*Endocrinology Institute, Rabin Medical Center*

²*Sackler Faculty of Medicine, Tel Aviv University*

³*Endocrinology Department, Assaf Harofeh Medical Center*

09:30 **PD-L1 Expression in Normal Endocrine Tissues**

Maayan Kagan³, Rena Pollack¹, Rivka Dresner-Pollak¹, Tzahi Neuman²

¹*Endocrinology, Diabetes and Metabolism, Hadassah-Hebrew University Medical Center*

²*Pathology, Hadassah-Hebrew University Medical Center*

³*Hebrew University School of Medicine, Jerusalem,*

09:42



Clinical Characteristics and Long-term Follow-up of Patients with Congenital Hypothyroidism (CH) due to Thyroid Peroxidase (TPO) gene Mutations

***Nominee for Best Clinical Abstract Award**

Leraz Tobias^{2,3}, Yardena Tenenbaum-Rakover^{1,3}, Tal Almagor^{1,2,3}, Shlomo Almashanu⁴, Morad Khayat⁵, Osnat Admoni^{1,3}

¹*Pediatric Endocrine Institute, Ha'Emek Medical Center*

²*Pediatric Department B, Ha'Emek Medical Center*

³*The Rappaport Faculty of Medicine, Technion*

⁴*The National Newborn Screening Program, Ministry of Health, Tel Hashomer*

⁵*Genetic Laboratory, Ha'Emek Medical Center*

08:30-10:00

Reproduction

Hall B

Chairs: **Talia Geva Eldar, Joseph Orly**

08:30



Identification and Characterization of Novel Gonadotropin Gene Transcriptional Enhancers

***Nominee for Best Basic Abstract Award**

Tal Refael, Lilach Pnueli, Lilach Pnueli, Philippa Melamed, Philippa Melamed
Faculty of Biology, Technion-Israel Institute of Technology

08:42



Steroid Hormone Regulation of Tet1 Expression in Developing Gonadotropes

***Nominee for Best Basic Abstract Award**

Cfir David, Lilach Pnueli, Philippa Melamed

Biology, Technion - Israel Institute of Technology

08:54

High Prevalence of Psychopathologies among Transgender Patients Presenting at a Large Tertiary Center: Implication for the Treating Clinicians

Gil Kerem^{1,2}, Yona Greenman^{1,2}, Iris Yaish^{1,2}, Yael Sofer^{1,2}, Nechama Golani¹, Naftali Stern^{1,2}, Karen Tordjman^{1,2}

¹*Institute of Endocrinology, Metabolism, and Hypertension, Tel Aviv Sourasky Medical Center*

²*Medicine, Sackler Faculty of Medicine*

09:06

Evidence for Preserved Ovarian Reserve in Transgender Men Receiving Testosterone Therapy: Anti-Mullerian Hormone Serum Levels Decrease Modestly After One Year of Treatment

Iris Yaish¹, Gustavo Malinger^{2,3}, Karen Tordjman^{1,3},

Foad Azem^{2,3}, Yael Sofer¹, Nechama Golani¹, Naftali Stern^{1,3}, Foad Azem,

Yona Greenman^{1,3}

¹*Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv-Sourasky Medical Center*

²*Lis Maternity Hospital, Tel Aviv-Sourasky Medical Center, Tel Aviv-Sourasky Medical Center*

³*Sackler School of Medicine, Tel Aviv University*

09:18

SIRT1 and Inflammatory Cytokines in Visceral Fat in Ovariectomized Mice - a Mouse Model of Human Menopause

Aviv Shabat¹, Irina Gurt¹, Einav Cohen-Kfir^{1,2}, Oran Yakobovsky¹, Rivka Dresner-Pollak¹

¹*Endocrinology and Metabolism Department, Division of Medicine, Hadassah-Hebrew University Medical Center*

²*Institute of Medical Research Israel-Canada, Hebrew University-Hadassah Medical School*

09:30

Primary Ovarian Insufficiency Incidence Rate and Etiology among Israeli Adolescents between the years 2000-2016 – A Nationwide Study

Noah Gruber^{1,2}, Shir Kugler^{1,2}, Liat de Vries^{1,3}, Avivit Brener^{1,3}, Amnon Zung^{4,5}, Ori Eyal^{1,6}, Marianna Rachmiel^{1,7}, Ilana Koren⁸, Yardena Tenenbaum-Rakover^{9,10}, Eli Hershkovitz^{11,12}, Zohar Landau^{1,13}, Meirav Oren¹⁴, Alon Eliakim^{1,15}, David Zangen^{5,16}, Alina German¹⁷, Hussein Majdoub⁸, Kineret Mazor-Aronovitch^{1,2}, Dalit Modan-Moses^{1,2}, Yonatan Yeshayahu^{1,2}, Larisa Naugoln⁷, Yael Levy-Shraga^{1,2}, Michal Ben-Ami^{1,2}, Gherta Brill¹⁸, Nehama Zuckerman-Levin^{10,19}, Floris Levy-Khademi^{5,20}, Carmit Avnon-Ziv^{5,20}, Dov Tiosano^{10,14}, Shira Harel²¹, Einat Kedem¹³, Anat Segev-Becker⁶, Yehuda Shoenfeld^{1,22}, Orit Pinhas-Hamiel^{1,2}

¹Sackler School of Medicine, Tel-Aviv University

²Pediatric Endocrine and Diabetes Unit, Edmond and Lily Safra Children's Hospital, Sheba Medical Center

³The Jesse Z and Sara Lea Shafer Institute for Endocrinology and Diabetes, Schneider Children's Medical Center of Israel

⁴Pediatric Endocrinology Unit, Kaplan Medical Center

⁵The School of Medicine, The Hebrew University of Jerusalem

⁶Pediatric Endocrinology and Diabetes Unit, Dana-Dwek Children Hospital, Tel Aviv Sourasky Medical Center

⁷Pediatric Endocrinology Unit, Assaf Haroffeh Medical Center

⁸Pediatric Clinic, Armon Child Center, Clalit Health Services

⁹Pediatric Endocrine Unit, Ha'Emek Medical Center

¹⁰The Rappaport Endocrinology Faculty of Medicine, Technion

¹¹Pediatric Endocrinology and Metabolic Unit, Soroka University Medical Center

¹²Israel and the Faculty of Health Sciences, Ben-Gurion University of the Negev

¹³Pediatric Endocrine and Diabetes Unit, E. Wolfson Medical Center

¹⁴Paediatric Endocrine Unit, Rambam Health Care Campus

¹⁵Pediatric Department, Meir Medical Center

¹⁶Division of Pediatric Endocrinology, Hadassah Hebrew University Medical Center

¹⁷Pediatric Department, Bnei Zion Medical Center

¹⁸Migdal Hamea, Clalit Health Services

¹⁹Institute of Diabetes, Endocrinology and Metabolism, Rambam Medical Center

²⁰Division of Pediatric Endocrinology, Shaare Zedek Medical Center

²¹Central District, Maccabi Health Services

²²Zabludowicz Center for Autoimmune Diseases, Sheba Medical Center, Tel-Hashomer

09:42

Estrogen Suppresses Left Ventricular Pro-fibrotic Gene Expression via Up-regulation of miR-26a, 133a, 34a in Ovariectomized Mice

Elishai Assayag¹, Irina Gurt¹, Einav Cohen-Kfir^{1,3}, Oran Yakobovsky¹, Donna Zfat-Zwas², Rivka Dresner-Pollak¹

¹Endocrinology and Metabolism Department, Division of Medicine, Hadassah-Hebrew University Medical Center

²Linda Joy Pollin Cardiovascular Wellness Center for Women, Division of Cardiology, Hadassah-Hebrew University Medical Center

³Current affiliation: Institute of Medical Research Israel-Canada, Hebrew University-Hadassah Medical School

08:30-10:00

Obesity, Metabolic Syndrome

Chairs: **Yonit Marcus- Perlman, Rosane Abramof-Ness**

Hall C

08:30



Revisiting the Normal Body Mass Index among Ethiopian Adolescents: A Nationwide Study of 317,000 Males and Females.

***Nominee for Best Clinical Abstract Award**

Uri Hamiel^{1,2}, Cole Bendor^{3,4}, Aya Bardugo^{3,4}, Zivan Berr³, Estela Derazne^{2,3}, Dorit Tzur³, Ehud Grossman^{2,5}, Arnon Afek^{2,5}, Orit Pinhas-Hamiel^{2,6}, Gilad Twig^{2,3,4,7}

¹Department of Pediatrics, Assaf Harofeh Medical Center

²Sackler School of Medicine, Tel-Aviv University

³Surgeon General Headquarters Defense Forces

⁴Department of Military Medicine, Hebrew University School of Medicine

⁵Central Management, Sheba Medical Center

⁶Pediatric Endocrine and Diabetes Unit, Edmond and Lily Safra Children's Hospital, Sheba Medical Center

⁷Department of Medicine and the Dr. Pinchas Bornstein Talpiot Medical Leadership Program, Sheba Medical Center

08:42



Severe Obesity and Cardiometabolic Comorbidities in Adolescents: Chronology of an epidemic

***Nominee for Best Clinical Abstract Award**

Gilad Twig^{4,7} Tali Cukierman-Yaffe^{8,9}, Orit Pinhas-Hamiel¹, Brian Reichman², Arnon Afek³, Estela Derazne⁴, Uri Hamiel⁵, Ariel Furer⁴, Liron Gershovitz⁴, Jeremy D. Kark⁶, Tarif Baer⁴,

¹Pediatric Endocrine and Diabetes Unit, Edmond and Lily Safra Children's Hospital, Sheba Medical Center

²The Women and Children's Health Research Unit, Gertner Institute, Tel Hashomer

³Central Management, Chaim Sheba Medical Center, Tel Hashomer

⁴Medical Corps, The Israel Defense Forces

⁵Department of Pediatrics, Assaf Harofeh Medical Center

⁶School of Public Health and Community Medicine, Hebrew University-Hadassah

⁷The Dr. Pinchas Bornstein Talpiot Medical Leadership Program,, Sheba Medical Center

⁸Institute of Endocrinology, Sheba Medical Center

⁹Sackler School of Medicine, Tel-Aviv University

08:54

Epigenetic-changes in Response to Metabolic Modifiers in late-life: Exercise, High Fat Diet and Angiotenin1-7 Effects on Metabolic Health and DNA Methylation in Frail Old Mice

Gabi Shefer^{1,2,5}, Yonit Marcus^{1,2}, Elad Segev³, Tamar Shahal^{1,2,4,5}, Yuval Ebenstein^{4,5}, Naftali Stern^{1,2,5}

¹Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Medical Center

²Sackler Faculty of Medicine, Tel Aviv University

³Department of Applied Mathematics, Faculty of Science, Holon Institute of thechnology

⁴Raymond and Beverly Sackler Faculty of Exact Sciences, School of Chemistry, Tel Aviv University

⁵Institute of Endocrinology, Metabolism and Hypertension, Sagol center for the epigenetics of metabolism and aging, Tel Aviv Sourasky Medical Center

09:06

Circulating Endocannabinoids are Reduced following Bariatric Surgery and Associated with Improved Metabolic Homeostasis in Humans

Shahar Azar¹, Shiri Sherf-Dagan^{2,3,4}, Alina Nemirovski¹, Muriel Webb²,
Asnat Raziel⁵, Andrei Keidar⁶, David Goitein^{4,5,7}, Nasser Sakran^{5,8,9}, Oren Shibolet^{2,4},
Joseph Tam¹, Shira Zelber-Sagi^{2,10}

¹The Institute for Drug Research, School of Pharmacy, Faculty of Medicine,
The Hebrew University of Jerusalem, Jerusalem

²Department Gastroenterology, Tel-Aviv Medical Center, Tel-Aviv

³Department of Nutrition, Assuta Medical Center, Tel-Aviv

⁴Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv

⁵Assia Medical Group, Assuta Medical Center, Tel-Aviv

⁶Department of General Surgery, Assuta Ashdod Public Hospital, affiliated to the Ben-Gurion University, Beer-Sheba

⁷Department of Surgery C, Sheba Medical Center, Tel Hashomer

⁸Department of Surgery A, Emek Medical Center, Afula, affiliated with Rappaport Faculty of Medicine, Technion Israel Institute of Technology, Haifa

⁹Rappaport Faculty of Medicine, Technion Israel Institute of Technology, Haifa

¹⁰School of Public Health, Faculty of Social Welfare and Health Sciences, University of Haifa, Haifa

09:18

Abdominal Obesity as a Continuum: What is a Normal Waist Circumference in Israel?

Yonit Perlman^{1,2}, elad Segev⁴, Gabi Shefer^{1,2}, Galina Shenkerman^{1,2}, Assaf Buch^{1,2},
Shani Shenhar-Tsarfaty^{2,3}, David Zeltser^{2,3}, Itzhak Shapira^{2,3},
Shlomo Berliner^{2,3}, Ori Rogowski^{2,3}, Naftali Stern^{1,2}

¹Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Medical Center

²Sackler Faculty of medicine, Tel Aviv university

³Department of Medicine and Preventive Medicine, Tel Aviv Medical Center

⁴Department of Applied Mathematics, Faculty of Science, Holon Institute of Technology

09:30

Therapeutic Efficacy of an Indoline Derivative in Preventing the Development of the Metabolic Syndrome

Anna Permyakova¹, Liad Hinden¹, Asaad Gammal¹, Marta Weinstock²,
Joseph Tam¹

¹The Hebrew University of Jerusalem, Faculty of Medicine, Obesity and Metabolism Laboratory

²The Hebrew University of Jerusalem, Faculty of Medicine, Psychopharmacology laboratory

09:42

Higher Insulin Degrading Enzyme levels In Subjects with the Metabolic Syndrome

Yael Sofer¹, Yuval Nash², Itai Benhar³, Ofir Forsht², Esther Osher¹, Limor Nahary²,
Sigal Shaklai¹, Karen Tordjman, Merav Serebro¹, Elia-Belle Touati¹, Michal Yacobi Bach¹,
Yonit Marcus¹, Brurya Tal¹, Jessica Sack¹, Gabi Shefer¹, Nathan Landis¹, Naftali Stern¹,
Dan Frenkel²

¹Institute of Endocrinology, Metabolism and Hypertension and Sagol Metabolic Syndrome Research Center, Ichilov Sourasky Medical center and Sackler Faculty of Medicine

²Department of Neurobiology, Biochemistry and Biophysics George S Wise Faculty of Life Sciences and Sagol School of Neuroscience, Tel Aviv University

³Department of Molecular Microbiology and Biotechnology, School of Molecular Cell Biology and Biotechnology, Tel Aviv University

SUNDAY, APRIL 7, 2019

10:00-10:20	Coffee Break	Foyer
10:20-11:20	Poster session	Posters Hall
11:20-12:10	Prize lectures Chair: Avraham Karasik	Hall A
11:20	The Changing Face of Thyroid Cancer – Where do we go from here? <u>Eyal Robenshtok</u> - Recipient of Hans Lindner Prize Lecture <i>Endocrinology & Metabolism Institute Beilinson Hospital, Rabin Medical Center</i>	
11:35	Stressing Beta-Cells during the Neonatal Period Predisposes to Diabetes Later in Life <u>Yael Riahi</u> - Recipient of Israel Chowers Prize Lecture <i>The Hebrew University- Hadassah Medical Center</i>	
11:50	Outstanding Community Physician Award - <u>Elzbieta Baron</u> , Endocrinology Kiryat Motzkin, Maccabi Healthcare Services	
12:10-13:00	Plenary lecture 1 Chair: Hannah Kanety	Hall A
	Fat in the Blood, Fat in the Heart <u>Ira Goldberg</u> <i>NYU School of Medicine, NYU Langone Health</i>	
13:00-14:00	Lunch	
	Parallel Symposia	
14:00-15:30	Symposium 1: Congenital Adrenal Hyperplasia (CAH) in 2019 Chairs: Naomi Weintrob, David Zangen	Hall A
14:00	Molecular Pathogenesis of Rare Forms of CAH <u>Nils P Krone</u> <i>Academic Unit of Child Health Dep. of Oncology & Metabolism University of Sheffield; Sheffield Children's Hospital, Western Bank, UK</i>	
14:30	Genotype DOES Predict Phenotype in CAH Secondary to 21 -Hydroxylase Deficiency- The Israel Experience <u>Naomi Weintrob</u> ¹ , David Zangen ² ¹ <i>Department of Pediatrics, Meir Medical Center</i> ² <i>Hadassah Medical Center</i>	
15:00	21-Hydroxylase Deficiency, Insights from the Molecular Lab and Implication for the Clinic <u>Adi Mory</u> <i>Genetic Laboratory, Rambam Health Care Campus</i>	

SUNDAY, APRIL 7, 2019

14:00-15:30	Symposium 2 Big Data – Digital Health in Endocrinology Chairs: Moshe Phillip, Irit Hochberg	Hall B
14:00	Big Data: From Research to Value <u>Varda Shalev</u> <i>Director of research and innovation institute Maccabi and Morris Kahn. Tel Aviv university, Sackler School of Medicine</i>	
14:30	Changing the Landscape of Osteoporosis- Artificial Intelligence to Detect at-Risk Individuals <u>Shiri Salomon</u> <i>Zebra Medical Vision</i>	
15:00	The Emerging Digital Diabetes –“Clinic” <u>Eran Atlas</u> <i>CEO, DreaMed Diabetes</i>	
15:30-15:50	Coffee Break	Foyer
15:50-16:50	Meet the Expert Novel Avenues in the Management of Congenital Adrenal Hyperplasia <u>Nils P Krone</u> <i>Academic Unit of Child Health Dep. of Oncology & Metabolism University of Sheffield; Sheffield Children’s Hospital, Western Bank, UK</i>	Hall A
15:50-16:50	Meet the Expert Endocrine Hypertension <u>Felix Beuschlein</u> <i>University Hospital of Zurich</i>	Hall B
16:50-17:30	IES Members General Assembly Executive Committee Report Accountant Report	Hall A

MONDAY, APRIL 8, 2019

07:30-08:00	Registration and Gathering	Foyer
08:00-09:30	Bone Metabolism Chairs: Pinna Rotman, Yankel Gabet	Hall A
08:00	Denosumab-induced Hypocalcemia in Patients with Osteoporosis- Can You Know Who Will Get Low? Retrospective Analysis of Real-world Data Gloria Tsvetov ^{1,3} , Oren Amitaj ^{1,3,5} , Tzippy Shochat ² , Amit Akirov ^{1,3} , Talia Diker-Cohen ^{1,3,4} ¹ Institute of Endocrinology, Diabetes and Metabolism, Rabin Medical Center - Beilinson Hospital ² Statistical Consulting Unit, Rabin Medical Center - Beilinson Hospital ³ Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv ⁴ Medicine A, Rabin Medical Center - Beilinson Hospital ⁵ Clalit Health Services, Dan-Petah-Tikva district.	
08:12	Magel2 Modulates Bone Remodeling and Mass in Prader Willi Syndrome by Affecting Oleoyl Serine Levels and Activity Saja Baraghithy ¹ , Reem Smoum ² , Adi Drori ¹ , Rivka Hadar ¹ , Asaad Gammal ¹ , Shira Hirsch ¹ , Malka Attar-Namdar ³ , Alina Nemirovski ¹ , Yankel Gabet ⁴ , Yshaia Langer ⁵ , Yehuda Pollak ⁵ , Christian Patrick Schaaaf ^{6,7} , Megan Rech ⁷ , Varda Gross-Tsur ⁵ , Itai Bab ³ , Raphael Mechoulam ² , Joseph Tam ¹ ¹ Obesity and Metabolism Laboratory, The Institute for Drug Research, School of Pharmacy, Faculty of Medicine, The Hebrew University of Jerusalem ² Medicinal Chemistry Laboratory, The Institute for Drug Research, School of Pharmacy, Faculty of Medicine, The Hebrew University of Jerusalem ³ Bone Laboratory, Institute for Dental Research, Faculty of Dentistry, The Hebrew University of Jerusalem ⁴ Department of Anatomy and Anthropology, Sackler Faculty of Medicine, Tel-Aviv University ⁵ Neuropediatric Unit, Department of Pediatrics, Shaare Zedek Medical Center ⁶ Department of Molecular and Human Genetics, Baylor College of Medicine, USA ⁷ Jan and Dan Duncan Neurological Research Institute, Texas Children's Hospital, USA	
08:24	Sex-specific Regulation of Bone Resorption in the Osteoclast Lineage by Krox20: Hormone-independent Sexual Dimorphism Elias Sabag ¹ , Elinor Halperin ¹ , Tamar Liron ¹ , Sahar Hiram-Bab ¹ , Baruch Frenkel ² , <u>Yankel Gabet¹</u> ¹ Department of Anatomy and Anthropology, Sackler Faculty of Medicine, Tel Aviv University ² Departments of Biochemistry and Molecular Medicine and Orthopedic Surgery, Keck School of Medicine of the University of Southern California, USA	
08:36	The Association between Glycemic Control and Hip Fracture Risk- A Retrospective Cohort Study <u>Uri Yoel^{1,3}</u> , Noa Zimhony-Nissim ^{2,3} , Victor Novack ^{2,3} , Merav Fraenkel ^{1,3} ¹ Endocrinology, Soroka University Medical Center ² Clinical Research Center, Soroka University Medical Center ³ Faculty of Health Sciences, Ben-Gurion University of the Negev	

MONDAY, APRIL 8, 2019

08:48

The Impact of Diabetes Mellitus on Survival after Hip fracture a Single Center Experience

Vitaly Medvedovsky¹, Roni Gat², Uri Yoel¹, Lior Baraf¹, Dayana Cohen¹, Tamar Eshkoli¹, Victor Novack², Ethel Siris³, Merav Fraenkel¹

¹Endocrinology, Soroka University Medical Center and the Faculty of Health Sciences, Ben-Gurion University of the Negev

²Clinical Research Center, Soroka University Medical Center and the Faculty of Health Sciences, Ben-Gurion University of the Negev

³Endocrinology, Columbia University Medical Center, USA

09:00

Trabecular Bone Score (TBS) Change is Not Predicted by Bone Turnover

Genya Ahahron-Hananel¹, Galia Zakay², Iris Vered¹, Liana Tripto-Shkolnik¹

¹Osteoporosis service, Endocrine Institute, Sheba Medical Center, Tel Hashomer

²Meuhedet, Health Fund

09:12

Low Trabecular Bone Score with or without Osteoporosis is Differentially Linked to Distinct Clinical Conditions.

Vanessa Rouach^{1,2}, Mira Arbib¹, Iris Yaish¹, Naomi Even-Zohar¹, Naftali Stern^{1,2}

¹Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky Medical Center, Tel Aviv Sourasky Medical Center

²Sackler Faculty of Medicine, Tel Aviv University

08:00-09:30

Diabetes, Basic and Clinical

Chairs: **Sigal Shaklai, Amir Tirosh**

Hall B

08:00



Parenteral Cephalosporins and Parenteral Glucose During the Neonatal Period are Associated with Pediatric Type 1 Diabetes Development

***Nominee for Best Basic Abstract Award**

Iren Zargari^{1,2}, Adi Adar^{1,2}, Rimona Keidar^{2,3}, Ori Eyal^{3,4}, Neta Loewenthal⁵,

Orit Pinhas-Hamiel^{2,6}, Iris Morag^{2,7}, Milana Levy⁸, Orna Dally-Gottfried⁹,

Zohar Landau^{2,10}, Floris Levy-Khademi^{11,12}, David Zangen^{11,13},

Smadar Eventov-Friedman^{11,14}, Ilan Youngster^{2,15}, Marianna Rachmiel^{1,2}

¹Pediatric Endocrinology Unit, Division of Pediatrics, Assaf Harofeh Medical Center

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³Neonatal Intensive Care Unit, Assaf Harofeh Medical Center

⁴Pediatric Endocrinology and Diabetes Unit, Dana-Dwek Children Hospital, Tel Aviv Sourasky Medical Center

⁵Pediatric Endocrinology and Metabolic Unit, Soroka University Medical Center

⁶Pediatric Endocrinology and Diabetes Unit, Edmond and Lily Safra Children's Hospital, Sheba Medical Center, Tel Hashomer

⁷Neonatal Intensive Care Unit, Sheba Medical Center, Tel Hashomer

⁸Pediatric diabetes and Obesity Clinic, Ruth Rappaport Children's Hospital, Rambam Health Care Campus

⁹The Center for Juvenile Diabetes and Pediatric Endocrinology and Pediatric Outpatient Clinics, Rebecca Ziv Hospital, Safed, affiliated to The School of Medicine, Bar Ilan University

¹⁰Pediatric Endocrinology and Diabetes Unit, E. Wolfson Medical Center

¹¹The School of Medicine, The Hebrew University of Jerusalem

¹²Division of Pediatric Endocrinology, Shaare Zedek Medical Center

¹³Division of Pediatric Endocrinology, Hadassah Hebrew University Medical Center

¹⁴Neonatal Intensive Care Unit, Hadassah Hebrew University Medical Center

¹⁵Infectious diseases Unit, Assaf Harofeh Medical Center

MONDAY, APRIL 8, 2019

- 08:12** **Endoplasmic Reticulum (ER) Stress Inhibits Insulin/IGF-1 Signaling in β -cells and Hepatocytes by Reducing P85 α Expression**
Roni Yeroslaviz¹, Yael Riahi¹, Aviram Kogot-Levin², Tal Israeli¹, Erol Cerasi¹, Boaz Tirosh³, Gil Leibowitz¹
¹*Endocrinology and Metabolism, The Hebrew University-Hadassah Medical School, Jerusalem*
²*The Diabetes Unit, Hadassah-Hebrew University Medical Center, Jerusalem*
³*The School of Pharmacy, The Hebrew University of Jerusalem*
- 08:24** **Pediatric Type 1 Diabetes Mellitus Incidence rate and Socioeconomic Ranking in Israel**
Hila Ben Ezri Yitzhak¹, Moshe Shirav-Schwartz², Orit Blumenfeld³, Jonathan Dubnov⁴, Shai Linn⁴, Wasef Nhamnih³, Ilana Koren¹
¹*Pediatric Diabetes Clinic Armon Child Center, Clalit Health Services*
²*(emeritus), Geological survey of Israel*
³*Gertner institute, Chaim Sheba Medical Center*
⁴*School of Public Health, Haifa University*
- 08:36** **Why Should We Measure Low Density Lipoprotein Cholesterol Directly? Comparison between Plasma LDL-Cholesterol Assessment by Friedewald Equation and Direct Measurement**
Hofit Cohen^{1,2}, Dror Harats^{1,2}, Aviv Shaish^{1,3}, Joseph Roitelman^{1,2}
¹*Chaim Sheba Medical Center, The Bert W. Strassburger Lipid Center*
²*Tel Aviv University, Sackler Faculty of Medicine*
³*Academic College, Achva*
- 08:48** **SGLT2 Inhibition Ameliorates Diabetic Nephropathy by Inhibiting mTORC1 in a Mouse Model of Type 1 Diabetes**
Aviram Kogot-Levin¹, Ofri Mosenzon¹, Liad Hinden³, Yael Riahi², Erol Cerasi², Joseph Tam³, Gil Leibowitz²
¹*The Diabetes Unit, Hadassah-Hebrew University Medical Center, Jerusalem*
²*The Diabetes Unit and the Endocrine Service, Hadassah-Hebrew University Medical Center, Jerusalem*
³*Obesity and Metabolism Laboratory, Institute for Drug Research, School of Pharmacy, Faculty of Medicine, Jerusalem*
- 09:00** **Diabetic Ketoacidosis (DKA) induced by Sodium Glucose Co-Transporter 2 Inhibitors (SGLT-2) : The Israeli experience**
Meir Frankel^{2,3}, Einat Gorelik¹, Eli Marom¹
¹*Pharmaceutical Division, Ministry of Health*
²*Endocrinology unit, Shaare-Zedek Medical Center*
³*Diabetes & Endocrinology Clinic, Clalit Health Institute*
- 09:12** **The Relationship Between Maternal Glucose Variability During Pregnancy & Neonatal Birthweight Percentile in Pre-Gestational Diabetic Women**
Nimrod Dori-Dayan¹, Tali Cukierman-Yaffe², Roni Zemet¹, Shali Mazaki-Tovi¹, Rakefet Yoeli-Ulman¹
¹*Gynecology and Obstetrics, Sheba Medical Center*
²*Endocrinology, Sheba Medical Center*

MONDAY, APRIL 8, 2019

08:00-09:30	Neuroendocrinology + Adrenal	Hall C
08:00	Endoscopic Ultrasound Guided Radiofrequency Ablation (EUS-RFA) as a Novel Therapeutic Approach in Highly-Selected Pancreatic Neuroendocrine Neoplasms (pNENs) Patients: Preliminary Report. <u>Kira Oleinikov</u> ¹ , Allen Dancour ² , Julia Epshtein ³ , Ariel Benson ³ , Haggi Mazeh ⁴ , Ilanit Tal ¹ , Dan Meir Livovsky ² , Eran Goldin ² , David J Gross ¹ , Harold Jacob ³ , Simona Grozinsky-Glasberg ¹ ¹ Neuroendocrine Tumor Unit, ENETS Centre of Excellence, Endocrinology & Metabolism, Hadassah-Hebrew University Medical Center, Ein Kerem ² The Gastroenterology Institute, Shaare Zedek Medical Center ³ Department of Gastroenterology, Hadassah-Hebrew University Medical Center, Ein Kerem ⁴ Department of Surgery, Hadassah-Hebrew University Medical Center, Mount of Scopus	
08:12	Molecular and Functional Investigation of the Differential Regulation of LH and FSH Cells in Fish Lian Hollander-Cohen ¹ , Matan Golan ² , Patrice Mollard ² , <u>Berta Levavi-Sivan</u> ¹ ¹ Animal Sciences, Hebrew University ² Institut de Génomique Fonctionnelle, CNRS, UMR-5203, France	
08:24	Tissue Turnover Dynamics in the HPA Axis Explains the Timescale of Weeks in Clinically Relevant Conditions <u>Avichai Tandler</u> ¹ , Alon Bar ¹ , Netta Mendelson Cohen ² , Lior Maimon ¹ , Yael Korem ¹ , Omer Karin ¹ , Avraham Mayo ¹ , Uri Alon ¹ ¹ Molecular cell biology, Weizmann Institute of Science ² Computer Science, Weizmann Institute of Science	
08:36	Anatomic Site of Pancreatic Neuroendocrine Tumors as a Prognostic Marker <u>Muhamad Badarna</u> ^{1,2} , Amit Tirosh ^{1,2} , Ruth Percik ^{1,2} ¹ Neuroendocrine Tumors Service, Endocrine Institute, Chaim Sheba Medical Center ² Sackler Faculty of Medicine, Tel-Aviv University	
08:48	Ovarian adrenal rest tumors in congenital adrenal hyperplasia: Is medical treatment the first line option? <u>Ronit Koren</u> ^{1,6} , Shlomit Koren ^{2,3,6} , Alla Khashper ^{4,6} , Carlos Benbassat ^{2,6} , Marina Pekar-Zlotin ^{5,6} , Zvi Vaknin ^{5,6} ¹ Department of Internal Medicine A, Assaf Harofeh medical center ² Endocrine Institute, Assaf Harofeh medical center ³ Diabetes unit, Assaf Harofeh medical center ⁴ Department of diagnostic imaging, Assaf Harofeh medical center ⁵ Department of Obstetrics and Gynecology, Assaf Harofeh medical center ⁶ Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv	
09:00	Hyperandrogenism in a 13-year-old Girl due to Glucocorticoid Receptor Mutation <u>Osnat Admoni</u> ¹ , Dani Bercovitch ² , Yardena Tenenbaum-Rakover ^{1,3} ¹ Pediatric Endocrine Institute, Ha'Emek Medical Center ² Galilee Genetic Analysis Lab, Tel Hai College ³ Rappaport Faculty of Medicine, Technion	

MONDAY, APRIL 8, 2019

09:12	Posterior Pituitary Spindle-cell Oncocytoma: Case Presentation and Literature Review <u>Naomi Even-Zohar</u> ¹ , Touati Elia-Belle ¹ , Naftali Stern ^{1,2} , Yona Greenman ^{1,2} ¹ <i>Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky medical center</i> ² <i>Sackler School of Medicine, Tel Aviv University</i>	
09:30-09:50	Coffee Break	Foyer
09:50-10:40	Plenary lecture 2 Chairs: Naftali Stern Recent Advances in Deciphering the Genetic Basis of Endocrine Hypertension <u>Felix Beuschlein</u> , The ESE Lecture <i>University Hospital of Zurich</i>	Hall A
	Parallel Symposia	
10:40-12:10	Symposium 3 Lipids, Inflammation and Atherosclerosis - What's new? Chair: Hilla Knobler, Hofit Cohen	Hall A
10:40	Diabetes, Lipids, and Macrovascular Complications <u>Ira Goldberg</u> <i>NYU School of Medicine, NYU Langone Health, USA</i>	
11:10	Lipoprotein a: When to Measure and How to Treat? <u>Hilla Knobler</u> <i>Diabetes, Endocrinology & Metabolism Institute, Kaplan Medical Center, Rehovot</i>	
11:40	Targeting Inflammation for Prevention of Recurrent Cardiovascular Events <u>Yehuda Kamari</u> <i>Sheba Medical Center, Ramat Gan</i>	
10:40-12:10	Symposium 4 New Directions in Growth Hormone-IGF1 Research Chairs: Haim Werner; Yona Greenman	Hall B
10:40	GH Effects on Fat in Humans and Mice; Cellular Impact and 'Big Data' <u>John Kopchick</u> <i>Edison Biotechnology Institute, Ohio University; Athens, OH, USA</i>	
11:10	"Longevity: is taller better?" <u>Gil Atzmon</u> <i>University of Haifa and Albert Einstein College of Medicine, NY</i>	
11:40	The Role of the IGF1 Pathway in Neurodegenerative Disorders: Mechanisms and Therapeutic Opportunities <u>Ehud Cohen</u> <i>The Hebrew University of Jerusalem</i>	

MONDAY, APRIL 8, 2019

12:10-12:20	Prizes for the Best Abstracts and Posters	Hall A
12:20-13:10	Plenary lecture 3 Chair: Zvi Laron	
	Growth Hormone, Mini-mice, Football, Dirty Shorts, and a New Drug <u>John Kopchick</u> <i>Ohio University, USA</i>	
13:10 - 14:10	Lunch	
	Parallel Symposia	
14:10-15:40	Symposium 5 Mechanisms of Metabolic Surgery and Incretin Therapies for Diabetes and Obesity Chairs: Gil Leibowitz, Benjamin Glaser	Hall A
14:10	Sleeve Gastrectomy Improves Glycemia Independent of Weight Loss <u>Danny Ben Zvi</u> <i>The Hebrew University of Jerusalem</i>	
14:40	GIP Regulation of Body Weight and Inflammation <u>Sigal Fishman</u> <i>Sourasky Medical Center, Tel Aviv</i>	
15:10	The Present and Future of Incretin Therapies for Obesity and Diabetes <u>Ofri Mosenzon</u> <i>The Diabetes Unit Hadassah University Hospital, Ein Kerem; Jerusalem</i>	
14:10-15:40	Symposium 6 Central Control of Reproductive Function Chairs: Philippa Melamed; Adi Avrech	Hall B
14:10	Early-life Stress and Effects on Adult Reproductive Function <u>Philippa Melamed</u> <i>Faculty of Biology, Technion Institute of Technology, Haifa</i>	
14:40	Metabolic-Reproductive Connections: Molecular Basis for Disordered Puberty in Malnutrition and Obesity <u>Manuel Tena-Sempere</u> <i>Physiology Section, Faculty of Medicine University of Cordoba, Spain</i>	
15:10	Gonadotropins Role in Mediating the Medical Complications of Anorexia Nervosa <u>Dalit Modan</u> <i>Pediatric Endocrinology and Diabetes Unit, The Edmond and Lily Safra Children's Hospital, Sheba Medical Center</i>	
15:40-15:50	Coffee Break	Foyer
15:40-16:50	Meet the Expert	Hall A
	Lipid Disorders <u>Ira Goldberg</u> <i>NYU School of Medicine, NYU Langone Health</i>	



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The 48th Annual Meeting of the Israel Endocrine Society

April 7-8, 2019, Hilton Tel Aviv Hotel

POSTERS LIST

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- 1. Urinary Free Cortisol Levels and Risk of Recurrence or Persistence of Cushing's Syndrome Related to Primary Bilateral Macronodular Adrenal Hyperplasia**
Leonard Saiegh¹, Ibrahim Mattar², Carmela Shechner¹, Maria Reut¹, Jacob Bejar³, Monica Laniado², Mohammad Sheikh-Ahmad¹
¹*Institute of Endocrinology, Bnai Zion Medical Center*
²*Surgery department, Bnai Zion Medical Center*
³*Institute of Pathology, Bnai Zion Medical Center*
- 2. Central Precocious Puberty as Presenting Sign of Non-Classical Congenital Adrenal Hyperplasia - Prevalence and Clinical Characteristics**
Bar Neeman¹, Rachel Bello^{1,2}, Liora Lazar^{1,2}, Moshe Phillip^{1,2}, Liat de Vries^{1,2}
¹*Sackler faculty of medicine, Tel-Aviv university*
²*The Jesse Z and Sara Lea Shafer Institute for Endocrinology and Diabetes, Schneider Children's Medical Center of Israel*
- 3. A Seminoma with Entrapped Nerve Ganglion Masquerading as a Paraganglioma**
Rachel Chava Rosenblum¹, Karine Atlan², Judith Diment², Haggi Mazeh³, Pnina Rotman-Pikielny¹, Orit Twito¹
¹*Endocrinology Institute, Meir Medical Center*
²*Department of Pathology, Hadassah-Hebrew University Medical Center*
³*Department of Surgery, Hadassah-Hebrew University Medical Center*
- 4. Pheochromocytoma: Positive Predictive Values of Mildly-elevated Urinary Fractionated Metanephrines and Current Features at Diagnosis.**
Dania Hirsch^{1,3,4}, Alon Grossman^{2,3,4}, Varda Nadler⁵, Sandra Alboim⁵, Gloria Tsvetov^{1,3,4}
¹*Endocrine Institute, Rabin Medical Center*
²*Department of Internal Medicine B, Rabin Medical Center*
³*Sackler Faculty of Medicine, Tel Aviv University*
⁴*Endocrinology, Maccabi Health Care Services*
⁵*Central Laboratory, Maccabi Health Care Services*
- 5. Higher C-peptide Levels and Glucose Requirements may Identify Neonates with Transient Hyperinsulinism Hypoglycemia Who Will Benefit from Diazoxide Treatment**
Anita Schachter Davidov¹, Erella Elkon-Tamir¹, Gabi Shefer³, Naomi Weintrob¹, Asaf Oren¹, Yael Lebenthal¹, Dror Mandel², Ori Eyal¹
¹*Pediatric Endocrinology Unit, Dana-Dwek Children's Hospital, Tel-Aviv Sourasky Medical Center*
²*Department of Neonatology, Dana-Dwek Children's Hospital, Tel-Aviv Sourasky Medical Center*
³*The Institute of Endocrinology, Metabolism and Hypertension, Tel-Aviv Sourasky Medical Center*
- 6. A Short Pheochromocytomas (PCC) and Paragangliomas (PGL) PPGLs Series from a 2018 Perspective**
Inna Tkacheva¹, Efrat Markus¹, Shlomit Koren^{1,2}, Carlos Benbassat^{1,2}, Miriam Steinschneider^{1,2}
¹*Endocrine Institute, Assaf Harofeh Medical Center*
²*Sackler Faculty of Medicine, Tel-Aviv University*

7. **Prevalence of Diabetes among Children Treated with Growth Hormone in Israel**
***Nominee for Best Clinical Poster Award**
 Miri Lutski¹, Inbar Zucker^{1,2}, Zvi Zadik³, Carmit Libruder¹, Orit Blumenfeld¹, Tamar Shohat^{1,2}, Zvi Laron⁴
¹Israel Ministry of Health Center for Disease Control
²Tel Aviv University, Department of Epidemiology and Preventive Medicine, School of Public Health, Sackler Faculty of Medicine
³Kaplan Medical Center, Pediatric Endocrinology Unit and Chairman Research Authority
⁴Schneider Children's Medical Center, Endocrinology and diabetes Research Unit
8. **ProGRP is an Effective Marker for Disease Monitoring in Lung Carcinoids with Non-Informative Chromogranin A: Lessons from Clinical Practice**
Kira Oleinikov¹, Simona Grozinsky-Glasberg¹, David J Gross¹, Hovav Nechushtan², Tamar Peretz², Ofra Maimon², Benjamin Nisman²
¹Endocrinology & Metabolism Department, Neuroendocrine Tumor Unit, ENETS Centre of Excellence, Hadassah-Hebrew University Medical Center, Ein Kerem
²Sharett Institute of Oncology, Hadassah-Hebrew University Medical Center, Ein Kerem
9. **Lower All-cause Mortality Rates in Patients Harboring Pituitary Carcinoma (PitCa) Following the Introduction of Temozolomide**
Genya Ahahron-Hananel, Ruth Percik, Amit Tirosh
10. **Three Years Persistence with Denosumab as Osteoporosis Therapy in Maccabi Healthcare Services**
Naama Fund¹, Inbal Goldshtein¹, Vanessa Rouach^{1,2}, Gabriel Chodick^{1,3}, Varda Shalev^{1,3}
¹Institute of Research and Innovation, Maccabi healthcare services
²Institute of endocrinology, Tel Aviv Sourasky medical center
³Sackler Faculty of Medicine, Tel Aviv University
11. **The Enigma of Unexpected High BMD in an Anorectic Patient**
Matan Elami-Suzin¹, Meir Liebergal², Yusuf Azrak³, Rivka Drezner Pollak¹, Hamutal Gur⁴
¹Endocrinology, Hadassah Ein Kerem
²Orthopedics, Hadassah Ein Kerem
³Radiology, Hadassah Ein Kerem
⁴Rheumatology, Hadassah Ein Kerem
12. **Bone Loss under Oral Bisphosphonates Treatment in Maccabi Healthcare Services**
Naama Fund¹, Inbal Goldshtein¹, Vanessa Rouach^{1,2}, Michal Guindy³, Gabriel Chodick^{1,4}, Varda Shalev^{1,4}
¹Institute of Research and Innovation, Maccabi healthcare services
²Institute of endocrinology, Tel Aviv Sourasky medical center
³Imaging Department, Assuta medical center
⁴Sackler Faculty of Medicine, Tel Aviv University
13. **Hypophosphatemia Following a Ferric Carboxymaltose Injection: an FGF-23 Mediated Process**
Liana Tripto-Shkolnik¹, Iris Vered¹, Ehud Barhod², Pazit Zilber², Amir Tirosh¹, Rina Hemi²
¹Division of Endocrinology, Diabetes and Metabolism, Chaim Sheba Medical Center, Tel-Hashomer
²Endocrine Laboratory, Chaim Sheba Medical Center, Tel-Hashomer
14. **Longitudinal Follow-up of Bone Density in Children with Inflammatory Bowel Diseases**
Yael Levy-Shraga^{1,2}, Anatoli Shenkar², Amit Assa², Dalit Modan^{1,2}, Yael Haberman², Dror Shouval², Anat Guz-Mark², Avishay Lahad², Batia Weiss²
¹Pediatric Endocrinology and Diabetes Unit, The Edmond and Lily Safra Children's Hospital, Sheba Medical Center
²The Sackler Faculty of Medicine, Tel-Aviv University

15. **Characterization of a Series of Subjects with Pregnancy and Lactation-associated Osteoporosis (PLaOP) in Israel**
Vanessa Rouach^{1,2}, Mira Arbiv¹, Karen Tordjman^{1,2}
¹*Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky Medical Center*
²*Internal Medicine, Sackler Faculty of Medicine*
16. **Pseudohypoparathyroidism- A Tale of Hypo and Hypercalcemia with a Genetic Solution**
Rachel Chava Rosenblum¹, Yael Einbinder², Orit Twito¹, Giovanna Mantovani³, Francesca Elli³, Prina Rotman-Pikielny¹
¹*Endocrinology Institute, Meir Medical Center*
²*Nephrology Institute, Meir Medical Center*
³*Endocrinology and Diabetology Unit, University of Milan, Italy*
17. **Connexin-43 Mediated Cell-cell Communication and Propagation of Adipose Tissue ER Stress in Obesity**
 ***Nominee for Best Basic Poster Award**
Sophie T. Ron^{1,2}, Idit Ron¹, Moran Rathaus¹, Rinat Livne¹, Nissim Oz¹, Assaf Rudich³, Amir Tirosh^{1,2}
¹*The Dalia and David Arabov Endocrinology and Diabetes Research Center, The Institute of Endocrinology, Sheba Medical Center*
²*Sackler Faculty of Medicine, Tel-Aviv University*
³*Faculty of Health Sciences, Joyce and Irvin Goldman Medical School, Ben Gurion University*
18. **New Autosomal Dominant Mutation in Glucokinase Gene Causing Congenital Hyperinsulinism**
 Ilana Koren¹, Amir Peleg², Lena Sagi-Dain², Amalia Harari-Shaham², Gal Larom-Kahan², Ben Glaser³
¹*Pediatric Endocrinology Clinic, Carmel Medical Center*
²*Human Genetic Institute, Carmel Medical Center*
³*Endocrinology and metabolism Service Internal Medicine Department, Hadassah Hebrew University Medical Center*
19. **Familial clinical heterogeneity manifested by the presence of either diabetes or deafness in a pedigree of a patient with Maternally Inherited Diabetes Mellitus and Deafness**
 Jessica Sack, Maya Ish Shalom, Michal Yaacobi, Naftali Stern
Endocrinology, Tel-aviv Soraski medical center
20. **Towards Implementation of St. Vincent Declaration – Outcomes of Pre-gestational Diabetic Women Pregnancies**
 Nimrod Dori-Dayan¹, Rakefet Yoeli-Ulman¹, Neomi Kedar², Ohad Cohen², Tali Cukierman-Yaffe²
¹*Gynecology and Obstetrics, Sheba Medical Center*
²*Endocrinology, Sheba Medical Center*
21. **Diurnality, Type 2 Diabetes, and Depressive-like Behavior**
Carmel Bilu^{1,2}, Paul Zimmet³, Vicktoria Vishnevskia-Dai⁴, Haim Einat⁵, Galila Agam², Ehud Grossman⁴, Noga Kronfeld-Schor¹
¹*School of Zoology, Tel Aviv University*
²*Department of Clinical Biochemistry and Pharmacology, Ben-Gurion University of the Negev*
³*Department of Medicine, Monash University, Australia*
⁴*Sackler Faculty of Medicine, Tel-Aviv University*
⁵*School of Behavioral Sciences, Tel Aviv-Yaffo Academic College*

22. **Hospital discharge of diabetic patients and fulfillment recommendations for the diabetes management in outpatient therapy.**
 Elena Chertok Shacham, Ronit Nitzan, Avraham Ishay
 Endocrinology Unit, Emek Medical Center Afula
23. **The Role of the Adipokine FABP4 in the Pathophysiology of Gestational Diabetes**
 Ragad Mdah^{1,3}, Roni Zemet², Idit Ron¹, Shali Mazaki-Tovi^{2,3}, Amir Tirosh^{1,3}
¹The Dalia and David Arabov Endocrinology and Diabetes Research Center, The Institute of Endocrinology, Sheba Medical Center
²Department of Obstetrics and Gynecology, Sheba Medical Center
³Sackler Faculty of Medicine, Tel-Aviv University
24. **The Association between Glycemic Control and Mortality- A Retrospective Cohort Study**
 Uri Yoel^{1,3}, Noa Zimhony-Nissim^{2,3}, Victor Novack^{2,3}, Merav Fraenkel^{1,3}
¹Endocrinology, Soroka University Medical Center
²Clinical Research Center, Soroka University Medical Center
³Faculty of Health Sciences, Ben-Gurion University of the Negev
25. **High Risk for Diabetic Foot Ulcer among Hospitalized Patients.**
***Nominee for Best Clinical Poster Award**
 Shlomit Koren¹, Moriah Sharabi², Tamar Moriel Levy², Daniel Fux¹, Ronit Koren³, Micha J. Rapoport²
¹Diabetes unit, Assaf Harofe Medical Center
²Department of Internal Medicine C, Assaf Harofe Medical Center
³Department of Internal Medicine A, Assaf Harofe Medical Center
26. **Heterozygous RFX6 Mutation as a Cause of Diabetes Mellitus in a Multigenerational Family**
 Nehama Zuckerman Levin^{1,4}, Tamar Paperna², Tova Hershkovitz^{2,4}, Ady Mory², Alina Kurolap^{2,4}, Jamal Mahamid³, Hagit Baris Feldman^{2,4}, Naim Shehadeh^{1,4}
¹Pediatric Diabetes Clinic, Institute of Diabetes, Endocrinology and Metabolism, Rambam Health Care Campus
²The Genetics institute, Rambam Health Care Campus
³Pediatric clinic, Meuhedet health services
⁴The Ruth and Bruce Rappaport Faculty of Medicine, Technion
27. **Outcomes of Community-acquired Sepsis in Patients with Diabetes: A Retrospective Population-based Cohort Study.**
 Yarden Zohar^{1,6,7}, Shani Zilberman^{2,6,7}, Shlomit Koren^{3,4,6,7}, Ronit Zaidenstein^{1,6,7}, Dror Marchaim^{5,6,7}, Ronit Koren^{1,6,7}
¹Department of Internal Medicine A, Assaf Harofeh Medical Center
²Department of Nephrology, Assaf Harofeh Medical Center
³Endocrine Institute, Assaf Harofeh Medical Center
⁴Diabetes Unit, Assaf Harofeh Medical Center
⁵Unit of Infectious Diseases, Assaf Harofeh Medical Center
⁶Assaf Harofeh Medical Center, Zerifn
⁷Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv
28. **The Relationship between Low Carbohydrate Diet & Pregnancy Outcomes in Women with Pre-Gestational Diabetes- A Historical Prospective Study**
 Roy Shalit¹, Nimrod Dori Dayan², Rakefet Yoeli-Ullman², Tali Cukierman-Yaffe^{1,3}
¹Endocrinology Institute, Sheba Medical Center
²Obstetrics and gynecology, Sheba Medical Center
³Epidemiology Department, Sackler School of Medicine, Tel-Aviv university

- 29. Igfbp1 as a Repression Target of PGC-1 α in the Context of Blood Glucose Homeostasis**
Neri Minsky
Institute of Endocrinology, Sheba Medical Center
- 30. Antibody-negative Insulin-dependent Diabetes in Two Patients Treated with Immune Checkpoint Blockade**
Tal Schiller¹, Lyudmila Lysyy², Taiba Zornitzki¹, Viviana Ostrovsky¹, Hilla Knobler¹
¹*Diabetes, Endocrinology and Metabolism Unit, Kaplan Medical Center*
²*Endocrinology Unit, Maccabi Health Services*
- 31. Atypical Presentation of Type 1 Diabetes Mellitus**
Mark Niven¹, Esther Kafri¹, Elizabeth Nissim², Ina Dubin²
¹*Endocrine and Diabetes Unit, Laniado Hospital*
²*Internal Medicine A, Laniado Hospital*
- 32. Insulin Treatment is Associated with Improved Fetal Placental Vascular Circulation in Obese and Non Obese Women with Gestational Diabetes Mellitus.**
Marina Shargorodsky^{2,3}, Julia Barda^{1,2}, Jacob Bar^{1,2}
¹*Gynecology, Wolfson Medical Center*
²*Sackler Faculty of Medicine, Tel Aviv University,*
³*Endocrinology, Wolfson Medical Center*
- 33. The Association Between Obesity and Secular Trend of Stature: A Nationwide Study of 2.8 Million Adolescents over Five Decades.**
Neta Geva^{1,2}, Orit Pinhas-Hamiel^{3,4}, Brian Reichman^{4,5}, Estela Derazne^{1,4}, Asaf Vivante^{4,6}, Yair Barak⁴, Arnon Afek^{4,7}, Amir Tirosh^{4,8}, Gilad Twig^{1,4,9,10}
¹*Surgeon General Headquarters Defense Forces*
²*Department of Pediatrics B, Soroka Medical Center*
³*Pediatric Endocrine and Diabetes Unit, Edmond and Lily Safra Children's Hospital, Sheba Medical Center*
⁴*Sackler School of Medicine, Tel Aviv university*
⁵*The Women and Children's Health Research Unit, Gertner Institute*
⁶*Department of Pediatrics B, Edmond and Lily Safra Children's Hospital, Sheba Medical Center*
⁷*Central Management, Chaim Sheba Medical Center*
⁸*Institute of Endocrinology, Chaim Sheba Medical Center*
⁹*Department of Medicine and the Dr. Pinchas Bornstein Talpiot Medical Leadership Program, Chaim Sheba Medical Center*
¹⁰*Department of Military Medicine, The Hebrew University*
- 34. RNA-Seq Analysis of Ovariectomy-Induced Changes in Mouse Liver Reveals New Targets for Menopause-Associated Metabolic Derangement**
***Nominee for Best Clinical Poster Award**

Joshua Stokar, Irina Gurt, Einav Cohen-Kfir, Oran Yakubovsky, Hanna Artsi, Elishai Assayag, Rivka Dresner-Pollak
Endocrinology and Metabolism, Hadassah & Hebrew University Medical Center
- 35. Identification of ZYG11A as a Novel Target for IGF1 Action in Endometrial Cancer Cells**
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- 36. Is There a Correlation Between miRNA hsa-132-3p Expression and Longevity in Laron Syndrome Patients?**
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- 37. Treatment Landscape for active Acromegaly in a Pituitary Centre in Israel**
Hiba Masri-Iraqi^{1,2}, Amit Akirov^{1,2}, Ilan Shimon^{1,2}
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- 38. Patients with Congenital IGF-1 Deficiency Have an Abnormal Plasma Amino Acid Pattern Partially Reversed by IGF-1 Treatment**
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- 39. The Second to Fourth Digit Ratio in Patients with Congenital IGF-1 Deficiency**
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- 40. Combined Autophagy and mTOR Inhibition Reduces Cells Proliferation and Induces Apoptosis in a Lung Carcinoid In-Vitro Model**
Adi Knigin¹, Shani Avniel-Polak², David Joseph Gross², Simona Grozinsky-Glasberg²
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²Neuroendocrine Tumor Unit, ENETS Center of Excellence, Endocrinology Department, Hadassah-Hebrew University Medical Center
- 41. Distinct Activities of IGF1R and INSR on ERK and AKT Signaling Pathways in Breast Cancer Cells**
Rive Sarfstein, Haim Werner
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- 42. Pregnancy in 17 Hydroxylase Deficiency**
***Nominee for Best Clinical Poster Award**
 Zeev Blumenfeld¹, Ilana Koren²
¹Faculty of medicine, Technion
²Pediatric endocrinology, Clalit medical services
- 43. Percutaneous Ethanol Injection Treatment for Thyroid Cysts**
Pinchas Klein, Mark Niven
Endocrine Unit, Laniado Medical Center

- 44. Subclinical Hypothyroidism and All-Cause Mortality among ST Segment Elevation Myocardial Infarction Patients Undergoing Percutaneous Coronary Intervention**
Elena Izkhakov¹, David Zahler², Keren-Lee Rozenfeld², Dor Ravid², Shmuel Banai², Yan Topilsky², Naftali Stern¹, Yacov Shacham²
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- 45. Familial Non-medullary Thyroid Carcinoma Has Similar Presentation and Disease Outcome than Sporadic Non-medullary Thyroid Carcinoma**
Miriam Steinschneider^{1,3}, Shlomit Koren^{1,3}, Karen Or¹, Efrat Markus¹, Carlos Benbassat^{1,3}, Limor Muallem Kalmovich^{2,3}
¹*Endocrine Institute, Assaf Harofeh Medical Center*
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³*Sackler Faculty of Medicine, Tel-Aviv University*
- 46. Presentation of Thyrotoxicosis in Hospitalized Elderly Patients**
Hadar Duskin-Bitan^{1,3}, Chagit Adler-Cohen¹, Ayelet Ferder^{2,3}, Ilan Shimon^{1,3}, Alon Grossman^{2,3}
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³*Sackler Faculty of Medicine, Tel Aviv University*
- 47. Adherence to Active Surveillance and Clinical Outcomes in Patients with Indeterminate Thyroid Nodules Who Are Not Referred for Thyroidectomy**
Dania Hirsch^{1,3}, Ilana Slutzky-Shraga^{1,3}, Eyal Robenshtok^{1,3}, Carlos Benbassat^{2,3}, Alex Gorshtein^{1,3}
¹*Endocrine Institute, Rabin Medical Center*
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- 48. Surveillance of Patients with Differentiated Thyroid Cancer: The Impact of Stimulated Thyroglobulin Measurement with or without Whole-body Scan**
Sharon Giveon¹, Sigal Levy², Pnina Rotman³, Rachel Rosenblum³, Orit Twito³
¹*Department of Internal Medicine D, Meir Medical Center*
²*Statistics Education Unit, The Academic College of Tel Aviv-Yaffo*
³*Institute of Endocrinology, Meir Medical Center*
- 49. Thyroid Function Dynamics in Cancer Patients Treated with Immunotherapy**
Amit Tirosh, Ruth Percik
Endocrine Institute, The Chaim Sheba Medical Center
- 50. Two Distinct Cyp19a1 Gene Promoters are Utilized Differently in Ovary and Hypothalamus for Driving Expression of Aromatase**
***Nominee for Best Basic Poster Award**
Dor Shalev, Lilach Pnueli, Philippa Melamed
Faculty of Biology, Technion-Israel Institute of Technology



51. A Curious Case of Thyrotoxicosis

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52. Fine Needle “Parathyroidectomy”

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53. Amiodarone-induced Thyrotoxicosis: A Late, Prolonged and Serious Complication

Yakov Rosen¹, Hilla Knobler¹, Tal Schiller¹, Viviana Ostrovsky¹, Lana Turkot², Lyudmila Lysyy³,
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