Parallel Symposia
April 7-8, 2019, Hilton Tel Aviv Hotel

Symposium 5  
Mechanisms of Metabolic Surgery and Incretin Therapies for Diabetes and Obesity  
Chair: Gil Leibowitz, Benjamin Glaser
14:10-15:40

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  
The Hebrew University of Jerusalem

14:40-15:10  
Philippa Melamed  
Early-life Stress and Effects on Adult Reproductive Function  
Faculty of Biology; Technion Institute of Technology, Haifa

15:10-15:40  
Sigal Fishman  
GIP Regulation of Body Weight and Inflammation  
Sourasky Medical Center, Tel Aviv

15:40-15:50  
Ofri Mosenzon  
The Present and Future of Incretin Therapies for Obesity and Diabetes  
The Diabetes Unit Hadassah University Hospital, Ein Kerem; Jerusalem

15:50-16:50  
Meet the Expert: Lipid disorders  
Ira Goldberg  
NYU School of Medicine, NYU Langone Health

PROGRAM

Prizes for the Best Abstracts and Posters  
12:10-12:20  
Plenary lecture 3  
John Kopchick, Ohio University  
Growth Hormone, Mini-mice, Football, Dirty Shorts, and a New Drug  
Chair: Zvi Laron  
12:20-13:10  
Lunch

The 48th Annual Meeting of the Israel Endocrine Society  
April 7-8, 2019, Hilton Tel Aviv Hotel
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chair(s)</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Thyroidectomy &amp; Parathyroidectomy: TransOral Endoscopic TransVestibular Approach (TOETVA)</td>
<td>Avi Hefetz, Niddal Assadi, Eran Alon</td>
<td>Hall A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A.R.M Clinics, A.R.M Otolaryngology Head and Neck &amp; Maxilloficial Surgery</td>
<td></td>
</tr>
<tr>
<td>08:42</td>
<td>Urinary Iodine Content (UIC) and its Correlation to Maternal and Neonatal Thyroid Functions in Israel</td>
<td>Tal Schiller, Hilla Knobler, Arnon Agmon, Viviana Ostrovsky, Taiba Zornitzki</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Diabetes, Endocrinology and Metabolism Unit, Kaplan Medical Center</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lev Tel-Aviv Women’s Health Center, Clalit Health Services</td>
<td></td>
</tr>
<tr>
<td>08:54</td>
<td>Thyroid Dysfunction and Mortality in Cardiovascular Hospitalized Patients – A 12 years Follow-up Observational Study</td>
<td>Meir Frankel, Feras Bayya, Rivka Farkash, Michael Glikson, Gabriel Munter</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Endocrinology Unit, Shaare-Zedek Medical Center</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cardiology Department, Shaare-Zedek Medical Center</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Endocrinology Institute, Rabin Medical Center</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Department of Otorhinolaryngology, Head and Neck Surgery, Rabin Medical Center</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Endocrine Institute, Assaf Harofeh Medical Center</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sackler Faculty of Medicine, Tel Aviv University</td>
<td></td>
</tr>
<tr>
<td>09:18</td>
<td>Response to Therapy Assessment in Intermediate-Risk Differentiated Thyroid Cancer Patients – Is rhTSH Stimulation Required?</td>
<td>Itamar Moreno, Ilan Shimon, Dania Hirsch, Carlos Benbassat, Eyal Robenshtok</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Endocrinology Institute, Rabin Medical Center</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sackler Faculty of Medicine, Tel Aviv University</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Endocrinology Department, Assaf Harofeh Medical Center</td>
<td></td>
</tr>
<tr>
<td>09:30</td>
<td>PD-L1 Expression in Normal Endocrine Tissues</td>
<td>Maayan Kagan, Rena Pollack, Rivka Dresner-Pollak, Tzahi Neuman</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Endocrinology, Diabetes and Metabolism, Hadassah-Hebrew University Medical Center</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pathology, Hadassah-Hebrew University Medical Center</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hebrew University School of Medicine, Jerusalem,</td>
<td></td>
</tr>
</tbody>
</table>
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 Tobias2,3, Yardena Tenenbaum-Rakover1,3, Tal Almagor1,3, Shlomo Almashanu4, Morad Khayat5, Osnat Admoni1,3
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

Identification and Characterization of Novel Gonadotropin Gene Transcriptional Enhancers

*Nominee for Best Basic Abstract Award

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

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

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

Gil Kerem1,2, Yona Greenman1,2, Iris Yaish1,2, Yael Sofer1,2, Nechama Golani1, Naftali Stern1,2, Karen Tordjman1,2
1 Institute of Endocrinology, Metabolism, and Hypertension, Tel Aviv Sourasky Medical Center
2 Medicine, Sackler Faculty of Medicine

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 Malinger2,3, Karen Tordjman1,3, Foad Azem3, Yael Sofer1, Nechama Golani1, Naftali Stern1,3, Foad Azem, Yona Greenman1,3
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

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

Aviv Shabat1, Irina Gurt1, Einav Cohen-Kfir1,2, Oran Yakobovsky1, Rivka Dresner-Pollak1
1 Endocrinology and Metabolism Department, Division of Medicine, Hadassah-Hewish University Medical Center
2 Institute of Medical Research Israel-Canada, Hebrew University-Hadassah Medical School3
09:30 Primary Ovarian Insufficiency Incidence Rate and Etiology among Israeli Adolescents between the years 2000-2016 – A Nationwide Study
Noah Gruber1,2, Shir Kugler1,2, Liat de Vries1,3, Aviit Brener1,3, Aviit Brener1,3, Amnon Zung4,5, Ori Eyal1,6, Marianna Rachmied6,7, Ilana Koren8, Yardena Tenenbaum-Rakovker8,9,10, Eli Hershkovitz11,12, Zohar Landau1,13, Meirav Oren14, Alon Eliakim1,15, David Zangen5,16, Alina German17, Hussein Majdoub8, Kineret Mazor-Aronovitch1,2, Dalit Modan-Moses1,2, Yonatan Yeshayahu1,2, Larisa Naugolni7, Yael Levy-Shruga1,2, Michal Ben-Ami1,2, Gherta Brill1, Nehama Zuckerman-Levin10,19, Floris Levy-Khademi5,20, Carmit Avnon-Ziv5,20, Dov Tiosano10,14, Shira Harel21, Einat Kedem13, Anat Segev-Becker6, Yehuda Shoenfeld1,22, Orit Pinhas-Hamiel1,2
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 Harofeh 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 Endocrinology 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-Kfir1,3, Oran Yakobovsksy1, 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  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 Hamiel1,2, Cole Bendor3,4, Aya Bardugo3,4, Zivan Berr3, Estela Derazne2,3, Dorit Tzur3, Ehud Grossman2,5, Arnon Afek2,5, Orit Pinhas-Hamiel2,6, Gilad Twig2,3,4,7

1 Department of Pediatrics, Assaf Harofeh Medical Center
2 Sackler School of Medicine, Tel Aviv University
3 Surgeon General Headquarters Defense Forces
4 Department of Military Medicine, Hebrew University School of Medicine
5 Central Management, Sheba Medical Center
6 Pediatric Endocrine and Diabetes Unit, Edmond and Lily Safra Children’s Hospital, Sheba Medical Center
7 Department 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 Twig4,5 Tali Cukierman-Yaffe6,8, Orit Pinhas-Hamiel1, Brian Reichman2, Arnon Afek3, Estela Derazne4, Uri Hamiel5, Ariel Furer4, Liron Gershovitz4, Jeremy D. Kark6, Tarif Baer4

1 Pediatric Endocrine and Diabetes Unit, Edmond and Lily Safra Children's Hospital, Sheba Medical Center
2 The Women and Children's Health Research Unit, Gertner Institute, Tel Hashomer
3 Central Management, Chaim Sheba Medical Center, Tel Hashomer
4 Medical Corps, The Israel Defense Forces
5 Department of Pediatrics, Assaf Harofeh Medical Center
6 School of Public Health and Community Medicine, Hebrew University-Hadassah
7 The Dr. Pinchas Bornstein Talpiot Medical Leadership Program, Sheba Medical Center
8 Institute of Endocrinology, Sheba Medical Center
9 Sackler 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 Shefer1,2,5, Yonit Marcus1,2, Elad Segev3, Tamar Shahal1,2,4,5, Yuval Ebenstein4,5, Naftali Stern1,2,5

1 Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Medical Center
2 Sackler Faculty of Medicine, Tel Aviv University
3 Department of Applied Mathematics, Faculty of Science, Holon Institute of Technology
4 Raymond and Beverly Sackler Faculty of Exact Sciences, School of Chemistry, Tel Aviv University
5 Institute 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-Dagan2,3,4, Alina Nemirovski1, Muriel Webb2, Asnat Raziel5, Andrei Keidar6, David Goitein4,5,7, Nasser Sakran5,8,9, Oren Shibolet2,4, Joseph Tam1, Shira Zelber-Sagi2,10
1 The Institute for Drug Research, School of Pharmacy, Faculty of Medicine, The Hebrew University of Jerusalem, Jerusalem
2 Department Gastroenterology, Tel-Aviv Medical Center, Tel-Aviv
3 Department of Nutrition, Assuta Medical Center, Tel-Aviv
4 Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv
5 Assia Medical Group, Assuta Medical Center, Tel-Aviv
6 Department of General Surgery, Assuta Ashdod Public Hospital, affiliated to the Ben-Gurion University, Beer-Sheba
7 Department of Surgery C, Sheba Medical Center, Tel Hashomer
8 Department of Surgery A, Emek Medical Center, Afula, affiliated with Rappaport Faculty of Medicine, Technion Israel Institute of Technology, Haifa
9 Rappaport Faculty of Medicine, Technion Israel Institute of Technology, Haifa
10 School 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 Perlman1,2, elad Segev4, Gabi Shefer1,2, Galina Shenkerman1,2, Assaf Buch1,2, Shani Shenhari-Tsarfaty2,3, David Zeltser2,3, Itzhak Shapira2,3, Shlomo Berliner2,3, Ori Rogowski2,3, Naftali Stern1,2
1 Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Medical Center
2 Sackler Faculty of medicine, Tel Aviv university
3 Department of Medicine and Preventive Medicine, Tel Aviv Medical Center
4 Department 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
1 The Hebrew University of Jerusalem, Faculty of Medicine, Obesity and Metabolism Laboratory
2 The 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 Osher2, Limor Nahary2, Sigal Shaklai1, Karen Tordjman, Merav Serebro3, Elia-Belle Touati1, Michal Yacobi Bach1, Yonit Marcus1, Brurya Tal1, Jessica Sack1, Gabi Shefer1, Nathan Landis1, Naftali Stern1, Dan Frenkel2
1 Institute of Endocrinology, Metabolism and Hypertension and Sagol Metabolic Syndrome Research Center, Ichilov Sourasky Medical center and Sackler Faculty of Medicine
2 Department of Neurobiology, Biochemistry and Biophysics George S Wise Faculty of Life Sciences and and Sagol School of Neuroscience, Tel Aviv University
3 Department of Molecular Microbiology and Biotechnology, School of Molecular Cell Biology and Biotechnology, Tel Aviv University
10:00-10:20  Coffee Break
          Foyer
10:20-11:20  Poster session
          Posters Hall
11:20-12:10 Prize lectures
          Chair: Avraham Karasik

11:20  The Changing Face of Thyroid Cancer – Where do we go from here?
       Eyal Robenshtok - Recipient of Hans Lindner Prize Lecture
       Endocrinology & Metabolism Institute
       Beilinson Hospital, Rabin Medical Center

11:35  Stressing Beta-Cells during the Neonatal Period Predisposes to Diabetes Later in Life
       Yael Riahi - Recipient of Israel Chowers Prize Lecture
       The Hebrew University- Hadassah Medical Center

11:50  Outstanding Community Physician Award - Elzbieta Baron, Endocrinology Kiryat Motzkin, Maccabi Healthcare Services

12:10-13:00  Plenary lecture 1
          Chair: Hannah Kanety

          Fat in the Blood, Fat in the Heart
          Ira Goldberg
          NYU School of Medicine, NYU Langone Health

13:00-14:00  Lunch

Parallel Symposia

14:00-15:30  Symposium 1: Congenital Adrenal Hyperplasia (CAH) in 2019
          Chairs: Naomi Weintrob, David Zangen

14:00  Molecular Pathogenesis of Rare Forms of CAH
       Nils P Krone
       Academic Unit of Child Health Dep. of Oncology & Metabolism University of Sheffield;
       Sheffield Children's Hospital, Western Bank, UK

14:30  Genotype DOES Predict Phenotype in CAH Secondary to 21 -Hydroxylase Deficiency- The Israel Experience
       Naomi Weintrob\textsuperscript{1}, David Zangen\textsuperscript{2}
       \textsuperscript{1}Department of Pediatrics, Meir Medical Center
       \textsuperscript{2} Hadassah Medical Center

15:00  21-Hydroxylase Deficiency, Insights from the Molecular Lab and Implication for the Clinic
       Adi Mory
       Genetic Laboratory, Rambam Health Care Campus
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Hall</th>
</tr>
</thead>
</table>
| 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**  
Varda Shalev  
*Director of research and innovation institute Maccabi and Morris Kahn.  
Tel Aviv university, Sackler School of Medicine*                                |          |
| 14:30    | **Changing the Landscape of Osteoporosis- Artificial Intelligence to Detect at-Risk Individuals**  
Shiri Salomon  
*Zebra Medical Vision*                                                     |          |
| 15:00    | **The Emerging Digital Diabetes -“Clinic”**  
Eran Atlas  
*CEO, DreaMed Diabetes*                                                   |          |
| 15:30-15:50 | **Coffee Break**                                                                                       | Foyer    |
| 15:50-16:50 | **Meet the Expert**  
Novel Avenues in the Management of Congenital Adrenal Hyperplasia  
Nils P Krone  
*Academic Unit of Child Health Dep. of Oncology & Metabolism University of Sheffield; Sheffield Children’s Hospital, Western Bank, UK* | Hall A   |
| 15:50-16:50 | **Meet the Expert**  
*Endocrine Hypertension*  
Felix Beuschlein  
*University Hospital of Zurich*                                            | 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  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 Tsvetov1,3, Oren Amitai1,3,5, Tzippy Shochat2, Amit Akirov1,3, Talia Diker-Cohen2,3,4
1Institute of Endocrinology, Diabetes and Metabolism, Rabin Medical Center - Beilinson Hospital
2Statistical Consulting Unit, Rabin Medical Center - Beilinson Hospital
3Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv
4Medicine A, Rabin Medical Center - Beilinson Hospital
5Clalit 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 Baraghithy1, Reem Smoum2, Adi Drori1, Rivka Hadar1, Asaad Gammal1, Shira Hirsch1, Malka Attar-Namdar3, Alina Nemirovski1, Yankel Gabet4, Yshaia Langer5, Yehuda Pollak5, Christian Patrick Schaaf6, Megan Rech7, Varda Gross-Tsur5, Itai Bab3, Raphael Mechoulam2, Joseph Tam1
1Obesity and Metabolism Laboratory, The Institute for Drug Research, School of Pharmacy, Faculty of Medicine, The Hebrew University of Jerusalem
2Medicinal Chemistry Laboratory, The Institute for Drug Research, School of Pharmacy, Faculty of Medicine, The Hebrew University of Jerusalem
3Bone Laboratory, Institute for Dental Research, Faculty of Dentistry, The Hebrew University of Jerusalem
4Department of Anatomy and Anthropology, Sackler Faculty of Medicine, Tel-Aviv University
5Neuropediatric Unit, Department of Pediatrics, Shaare Zedek Medical Center
6Department of Molecular and Human Genetics, Baylor College of Medicine, USA
7Jan 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 Sabag1, Elinor Halperin1, Tamar Liron1, Sahar Hiram-Bab1, Baruch Frenkel1, Yankel Gabet1
1Department of Anatomy and Anthropology, Sackler Faculty of Medicine, Tel-Aviv University
2Departments 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
Uri Yoel1,3, Noa Zimhony-Nissim2,3, Victor Novack2,3, Merav Fraenkel1,3
1Endocrinology, Soroka University Medical Center
2Clinical Research Center, Soroka University Medical Center
3Faculty of Health Sciences, Ben-Gurion University of the Negev
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 Siris2, 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 Rouach1,2, Mira Arbib1, Iris Yaish1, Naomi Even-Zohar1, Naftali Stern1,2
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  Hall B
Chairs: Sigal Shaklai, Amir Tirosh

08:00  Parenteral Cephalosporins and Parenteral Glucose During the Neonatal Period are Associated with Pediatric Type 1 Diabetes Development
*Irene Zargari1,2, Adi Adar1,2, Rimona Keidar2,3, Ori Eyal1,3,4, Neta Loewenthal5,
Orit Pinhas-Hamiel6,6, Iris Morag2,7, Milana Levy8, Orna Dally-Gottfried8,
Zohar Landau9,10, Floris Levy-Khademi11,12, David Zangen11,13,
Smadar Eventov-Friedman11,14, Ilan Youngster2,15, Marianna Rachmiel1,2
1Pediatric Endocrinology Unit, Division of Pediatrics, Assaf Harofeh Medical Center
2Sackler School of Medicine, Tel Aviv University
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
08:12  **Endoplasmic Reticulum (ER) Stress Inhibits Insulin/IGF-1 Signaling in β-cells and Hepatocytes by Reducing P85α Expression**  
Roni Yeroslaviz\(^1\), Yael Riahi\(^2\), Aviram Kogot-Levin\(^2\), Tal Israeli\(^1\), Erol Cerasi\(^1\), Boaz Tirosh\(^3\), Gil Leibowitz\(^1\)  
\(^1\)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 Yitzhak\(^1\), Moshe Shirav-Schwartz\(^2\), Orit Blumenfeld\(^3\), Jonathan Dubnov\(^4\), Shai Linn\(^4\), Wasef Nhamnih\(^3\), Ilana Koren\(^1\)  
\(^1\)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-Levin\(^1\), Ofri Mosenzon\(^1\), Liad Hinden\(^1\), Yael Riahi\(^2\), Erol Cerasi\(^2\), Joseph Tam\(^3\), Gil Leibowitz\(^2\)  
\(^1\)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 (SGLT2-i) : The Israeli experience**  
Meir Frankel\(^1,2\), Einat Gorelik\(^1\), Eli Marom\(^1\)  
\(^1\)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-Dayan\(^1\), Tali Cukierman-Yaffe\(^2\), Roni Zemet\(^1\), Shali Mazaki-Tovi\(^1\), Rakefet Yoeli-Ulman\(^1\)  
\(^1\)Gynecology and Obstetrics, Sheba Medical Center  
\(^2\)Endocrinology, Sheba Medical Center
MONDAY, APRIL 8, 2019

08:00-09:30 Neuroendocrinology + Adrenal
Chairs: Ester Osher, Ilan Shimon
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.
Kira Oleinikov¹, Allen Dancour², Julia Epshtein³, Ariel Benson¹, Haggi Mazeh⁴, Ilanit Tal¹,
Dan Meir Livovsky³, Eran Goldin², David J Gross¹, Harold Jacob³, Simona Grozinsky-Glasberg¹
¹Neuroendocrine Tumor Unit, ENETS Centre of Excellence, Endocrinology & Metabolism, Hadassah-Hebrew University Medical Center, Ein Kerem
²The Gastroenterology Institute, Shaare Zedek Medical Center
³Department of Gastroenterology, Hadassah-Hebrew University Medical Center, Ein Kerem
⁴Department 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-Cohen¹, Matan Golan², Patrice Mollard², Berta Levavi-Sivan¹
¹Animal Sciences, Hebrew University
²Institut 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
Avichai Tendler¹, Alon Bar¹, Netta Mendelson Cohen², Lior Maimon¹,
Yael Korem¹, Omer Karin¹, Avraham Mayo¹, Uri Alon¹
¹Molecular cell biology, Weizmann Institute of Science
²Computer Science, Weizmann Institute of Science

08:36  Anatomic Site of Pancreatic Neuroendocrine Tumors as a Prognostic Marker
Muhamad Badarna¹,², Amit Tirosh¹,², Ruth Percik¹,²
¹Neuroendocrine Tumors Service, Endocrine Institute, Chaim Sheba Medical Center
²Sackler Faculty of Medicine, Tel-Aviv University

08:48  Ovarian adrenal rest tumors in congenital adrenal hyperplasia: Is medical treatment the first line option?
Ronit Koren¹,⁶, Shlomit Koren²,³,⁶, Alla Khashper⁴,⁶, Carlos Benbassat²,⁶,
Marina Pekar-Zlotin⁵,⁶, Zvi Vaknin⁵,⁶
¹Department of Internal Medicine A, Assaf Harofeh medical center
²Endocrine Institute, Assaf Harofeh medical center
³Diabetes unit, Assaf Harofeh medical center
⁴Department of diagnostic imaging, Assaf Harofeh medical center
⁵Department of Obstetrics and Gynecology, Assaf Harofeh medical center
⁶Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv

09:00  Hyperandrogenism in a 13-year-old Girl due to Glucocorticoid Receptor Mutation
Osnat Admoni¹, Dani Bercovitch², Yardena Tenenbaum-Rakover¹,³
¹Pediatric Endocrine Institute, Ha’Emek Medical Center
²Galilee Genetic Analysis Lab, Tel Hai College
³Rappaport Faculty of Medicine, Technion
MONDAY, APRIL 8, 2019

09:12 Posterior Pituitary Spindle-cell Oncocytoma: Case Presentation and Literature Review
Naomi Even-Zohar1, Touati Elia-Belle1, Naftali Stern1,2, Yona Greenman1,2
1Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky medical center
2Sackler School of Medicine, Tel Aviv University

09:30-09:50 Coffee Break Foyer

09:50-10:40 Plenary lecture 2 Hall A
Chairs: Naftali Stern

Recent Advances in Deciphering the Genetic Basis of Endocrine Hypertension
Felix Beuschlein, The ESE Lecture
University Hospital of Zurich

Parallel Symposia

10:40-12:10 Symposium 3 Hall A
Lipids, Inflammation and Atherosclerosis - What’s new?
Chair: Hilla Knobler, Hofit Cohen

10:40 Diabetes, Lipids, and Macrovascular Complications
Ira Goldberg
NYU School of Medicine, NYU Langone Health, USA

10:40 Diabetes, Lipids, and Macrovascular Complications
Ira Goldberg
NYU School of Medicine, NYU Langone Health, USA

11:10 Lipoprotein a: When to Measure and How to Treat?
Hilla Knobler
Diabetes, Endocrinology & Metabolism Institute, Kaplan Medical Center, Rehovot

11:40 Targeting Inflammation for Prevention of Recurrent Cardiovascular Events
Yehuda Kamari
Sheba Medical Center, Ramat Gan

10:40-12:10 Symposium 4 Hall B
New Directions in Growth Hormone-IGF1 Research
Chairs: Haim Werner; Yona Greenman

10:40 GH Effects on Fat in Humans and Mice; Cellular Impact and ‘Big Data’
John Kopchick
Edison Biotechnology Institute, Ohio University; Athens, OH, USA

11:10 “Longevity: is taller better?”
Gil Atzmon
University of Haifa and Albert Einstein College of Medicine, NY

11:40 The Role of the IGF1 Pathway in Neurodegenerative Disorders: Mechanisms and Therapeutic Opportunities
Ehud Cohen
The Hebrew University of Jerusalem
### MONDAY, APRIL 8, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:10-12:20</td>
<td>Prizes for the Best Abstracts and Posters</td>
<td>Hall A</td>
</tr>
<tr>
<td>12:20-13:10</td>
<td>Plenary lecture 3</td>
<td>Hall A</td>
</tr>
<tr>
<td></td>
<td>Chair: Zvi Laron</td>
<td></td>
</tr>
<tr>
<td>12:20-13:10</td>
<td>Growth Hormone, Mini-mice, Football, Dirty Shorts, and a New Drug</td>
<td></td>
</tr>
<tr>
<td></td>
<td>John Kopchick</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ohio University, USA</td>
<td></td>
</tr>
<tr>
<td>13:10-14:10</td>
<td>Lunch</td>
<td></td>
</tr>
<tr>
<td>13:10-15:40</td>
<td>Parallel Symposia</td>
<td></td>
</tr>
<tr>
<td>14:10-15:40</td>
<td>Symposium 5</td>
<td>Hall A</td>
</tr>
<tr>
<td></td>
<td>Mechanisms of Metabolic Surgery and Incretin Therapies for Diabetes and Obesity</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chairs: Gil Leibowitz, Benjamin Glaser</td>
<td></td>
</tr>
<tr>
<td>14:10</td>
<td>Sleeve Gastrectomy Improves Glycemia Independent of Weight Loss</td>
<td></td>
</tr>
<tr>
<td>14:40</td>
<td>GIP Regulation of Body Weight and Inflammation</td>
<td></td>
</tr>
<tr>
<td>15:10</td>
<td>The Present and Future of Incretin Therapies for Obesity and Diabetes</td>
<td></td>
</tr>
<tr>
<td>14:10-15:40</td>
<td>Symposium 6</td>
<td>Hall B</td>
</tr>
<tr>
<td></td>
<td>Central Control of Reproductive Function</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chairs: Philippa Melamed, Adi Avrech</td>
<td></td>
</tr>
<tr>
<td>14:10</td>
<td>Early-life Stress and Effects on Adult Reproductive Function</td>
<td></td>
</tr>
<tr>
<td>14:40</td>
<td>Metabolic-Reproductive Connections: Molecular Basis for Disordered Puberty in Malnutrition and Obesity</td>
<td></td>
</tr>
<tr>
<td>15:10</td>
<td>Gonadotropins Role in Mediating the Medical Complications of Anorexia Nervosa</td>
<td></td>
</tr>
<tr>
<td>15:40-16:50</td>
<td>Coffee Break</td>
<td>Foyer</td>
</tr>
<tr>
<td>15:40-16:50</td>
<td>Meet the Expert</td>
<td>Hall A</td>
</tr>
<tr>
<td></td>
<td>Lipid Disorders</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ira Goldberg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NYU School of Medicine, NYU Langone Health</td>
<td></td>
</tr>
</tbody>
</table>
The 48th Annual Meeting of the Israel Endocrine Society

April 7-8, 2019, Hilton Tel Aviv Hotel

POSTERS LIST
POSTERS LIST

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
1Institute of Endocrinology, Bnai Zion Medical Center
2Surgery department, Bnai Zion Medical Center
3Institute 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 Bello1,2, Liora Lazar1,2, Moshe Phillip1,2, Liät de Vries1,2
1Sackler faculty of medicine, Tel-Aviv university
2The 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-Pikielný1, Orit Twito1
1Endocrinology Institute, Meir Medical Center
2Department of Pathology, Hadassah-Hebrew University Medical Center
3Department of Surgery, Hadassah-Hebrew University Medical Center

Dania Hirsch1,3,4, Alon Grossman2,3,4, Varda Nadler3, Sandra Alboim5, Gloria Tsvetov1,3,4
1Endocrine Institute, Rabin Medical Center
2Department of Internal Medicine B, Rabin Medical Center
3Sackler Faculty of Medicine, Tel Aviv University
4Endocrinology, Maccabi Health Care Services
5Central 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, Ereella Elkon-Tamir1, Gabi Shefer3, Naomi Weintrob1, Asaf Oren1, Yael Lebenthal1, Dror Mandel2, Ori Eyal1
1Pediatric Endocrinology Unit, Dana-Dwek Children’s Hospital, Tel-Aviv Sourasky Medical Center
2Department of Neonatology, Dana-Dwek Children’s Hospital, Tel-Aviv Sourasky Medical Center
3The 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 Koren1,2, Carlos Benbassat1,2, Miriam Steinschneider1
1Endocrine Institute, Assaf Harofeh Medical Center
2Sackler 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 Zucker1,2, Zvi Zadik3, Carmit Libruder1, Orit Blumenfeld1, Tamar Shohat1,2, 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 Tirosch

10. **Three Years Persistence with Denosumab as Osteoporosis Therapy in Maccabi Healthcare Services**

Naama Fund1, Inbal Goldshtein1, Vanessa Rouach1,2, Gabriel Chodick1,4, Varda Shalev1,3

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 Rouach1,2, Michal Guindy3, Gabriel Chodick1,4, Varda Shalev1,4

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 Tirosch1, 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-Shraga1,2, Anatoli Shenkar2, Amit Assa2, Dalit Modan1,2, Yael Haberman2, Dror Shouval1, Anat Guz-Mark2, Avishay Lahad1, 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 Rouach1,2, Mira Arbiv1, Karen Tordjman1,2
1Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky Medical Center
2Internal Medicine, Sackler Faculty of Medicine

16. Pseudohypoparathyroidism- A Tale of Hypo and Hypercalcemia with a Genetic Solution
Rachel Chava Rosenblum1, Yael Einbinder2, Orit Twito3, Giovanna Mantovani3, Francesca Elli3, Pnina Rotman-Pikielny1
1Endocrinology Institute, Meir Medical Center
2Nephrology Institute, Meir Medical Center
3Endocrinology 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. Ron1,2, Idit Ron1, Moran Rathaus1, Rinat Livne1, Nissim Oz1, Assaf Rudich3, Amir Tirosh1,2
1The Dalia and David Arabov Endocrinology and Diabetes Research Center, The Institute of Endocrinology, Sheba Medical Center
2Sackler Faculty of Medicine, Tel-Aviv University
3Faculty 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 Glaser1
1Pediatric Endocrinology Clinic, Carmel Medical Center
2Human Genetic Institute, Carmel Medical Center
3Endocrinology 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
1Gynecology and Obstetrics, Sheba Medical Center
2Endocrinology, Sheba Medical Center

21. Diurnality, Type 2 Diabetes, and Depressive-like Behavior
Carmel Bilu1,2, Paul Zimmet3, Viktoria Vishnevskia-Dai4, Haim Einy5, Galila Agam2, Ehud Grossman5, Noga Kronfeld-Schor1
1School of Zoology, Tel Aviv University
2Department of Clinical Biochemistry and Pharmacology, Ben-Gurion University of the Negev
3Department of Medicine, Monash University, Australia
4Sackler Faculty of Medicine, Tel-Aviv University
5School 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 Mdah1,2, Roni Zemet3, Idit Ron1, Shali Mazaki-Tovi1,3, Amir Tiros1,3 
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 Yoel1,2, Noa Zimhony-Nissim2,3, Victor Novack2,3, Merav Fraenkel1,3 
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 Levin1,2, Tamar Paperna2, Tova Hershkovitz2,4, Ady Mory2, 
Alina Kurolap2,4, Jamal Mahamid3, Hagit Baris Feldman2,4, Naim Shehadeh1,4 
1Pediatric Diabetes Clinic, Institute of Diabetes, Endocrinology and Metabolism, Rambam Health Care Campus 
2Pediatric clinic, Meuhedet health services 
3The Genetics institute, Rambam Health Care Campus 
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 Zohar1,2, Shani Zilberman2,6, Shlomit Koren3,4,6,7, Ronit Zaidenstein1,6,7, 
Dror Marchaim6,7, Ronit Koren1,6,7 
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, Zerifin 
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-Ullman3, Tali Cukierman-Yaffe1,3 
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-1α 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
   1Diabetes, Endocrinology and Metabolism Unit, Kaplan Medical Center
   2Endocrinology Unit, Maccabi Health Services

31. Atypical Presentation of Type 1 Diabetes Mellitus
   Mark Niven1, Esther Kafri1, Elizabeth Nissim2, Ina Dubin2
   1Endocrine and Diabetes Unit, Laniado Hospital
   2Internal 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 Shargorodsky2,3, Julia Barda1,2, Jacob Bar1,2
   1Gynecology, Wolfson Medical Center
   2Sackler Faculty of Medicine, Tel Aviv University
   3Endocrinology, 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 Geva1,2, Orit Pinhas-Hamiel1,4, Brian Reichman4,5, Estela Derazne1,4, Asaf Vivante4,6
   Yair Barak4, Arnon Afek4,7, Amir Tirosb1,2, Gilad Twig1,4,9,10
   1Surgeon General Headquarters Defense Forces
   2Department of Pediatrics B, Soroka Medical Center
   3Pediatric Endocrine and Diabetes Unit, Edmond and Lily Safra Children’s Hospital, Sheba Medical Center
   4Sackler School of Medicine, Tel Aviv university
   5The Women and Children’s Health Research Unit, Gertner Institute
   6Department of Pediatrics B, Edmond and Lily Safra Children’s Hospital, Sheba Medical Center
   7Central Management, Chaim Sheba Medical Center
   8Institute of Endocrinology, Chaim Sheba Medical Center
   9Department of Medicine and the Dr. Pinchas Bornstein Talpiot Medical Leadership Program, Chaim Sheba Medical Center
   10Department 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
   Laris Achlaug1, Rive Sarfstein1, Karthik Nagaraj1, Lena Lapkina1, Zvi Laron2, Haim Werner1
   1Department of Human Molecular Genetics and Biochemistry, Tel Aviv University
   2Endocrine and Diabetes Research Unit, Schneider Children’s Medical Center
36. Is There a Correlation Between miRNA hsa-132-3p Expression and Longevity in Laron Syndrome Patients? 
Danielle Yaron-Saminsky
d, Karthik Nagaraj
d, Metsada Pasmanik-Chor
d, Zvi Laron
1Department of Human Molecular Genetics and Biochemistry, Sackler School of Medicine, Tel Aviv University
2Bioinformatic Unit, George Wise Faculty of Life Sciences, Tel Aviv University
3Endocrine and Diabetes Research Unit, Schneider Children's Medical Center

37. Treatment Landscape for active Acromegaly in a Pituitary Centre in Israel 
Hiba Masri-Iraqi
1,2, Amit Akirov
1,2, Ilan Shimon
1Endocrinology, Rabin Medical Center- Beilinson Campus
2Sackler Faculty of Medicine, Tel Aviv University

38. Patients with Congenital IGF-1 Deficiency Have an Abnormal Plasma Amino Acid Pattern Partially Reversed by IGF-1 Treatment 
Zvi Laron
1, Chen Barazani
1Endocrinology and Diabetes Research Unit, Schneider Children's Medical Center
2Metabolic Laboratory, Schneider Children's Medical Center

39. The Second to Fourth Digit Ratio in Patients with Congenital Igf-1 Deficiency 
Zvi Laron
1, Yoav Uchitel
3, Rivka Kauli
2, Osnat Konen
4, Pearl Lilos
1Endocrinology and Diabetes Unit, Schneider Children's Medical Center
2Endocrinology and Diabetes, Schneider Children's Medical Center
3Endocrinology and Diabetes, Schneider Children's Medical Center
4Imagining Department, Schneider Children's Medical Center
5Statistics Unit, Schneider Children's Medical Center

40. Combined Autophagy and mTOR Inhibition Reduces Cells Proliferation and Induces Apoptosis in a Lung Carcinoid In-Vitro Model 
Adi Knigin
1, Shani Avniel-Polak
2, David Joseph Gross
2, Simona Grozinsky-Glasberg
1Internal Medicine A, Hadassah-Hebrew University Medical Center
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 
Department of Human Molecular Genetics and Biochemistry, Tel Aviv university

42. Pregnancy in 17 Hydroxylase Deficiency
*Nominee for Best Clinical Poster Award
Zeev Blumenfeld
1, Ilana Koren
2
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 Izkhakov, David Zahler, Keren-Lee Rozenfeld, Dor Ravid, Shmuel Banai, Yan Topilsky, Naftali Stern, Yacov Shacham
   1Institute of Endocrinology, Metabolism and Hypertension, Tel-Aviv Sourasky Medical Center affiliated to the Sackler Faculty of Medicine, Tel-Aviv University
   2Department of Cardiology, Tel-Aviv Sourasky Medical Center affiliated to the Sackler Faculty of Medicine, Tel-Aviv University

45. Familial Non-medullary Thyroid Carcinoma Has Similar Presentation and Disease Outcome than Sporadic Non-medullary Thyroid Carcinoma
   Miriam Steinschneider, Shlomit Koren, Karen Or, Efrat Markus, Carlos Benbassat, Limor Mualem Kalmovich
   1Endocrine Institute, Assaf Harofeh Medical Center
   2Department of ENT, Assaf Harofeh Medical Center
   3Sackler Faculty of Medicine, Tel-Aviv University

46. Presentation of Thyrotoxicosis in Hospitalized Elderly Patients
   Hadar Duskin-Bitan, Chagit Adler-Cohen, Ayelet Ferder, Ilan Shimon, Alon Grossman
   1Institute of Endocrinology, Diabetes and Metabolism, Rabin Medical Center
   2Medicine B, Rabin Medical Center
   3Sackler 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, Ilana Slutzky-Shraga, Eyal Robenshtok, Carlos Benbassat, Alex Gorshtein
   1Endocrine Institute, Rabin Medical Center
   2Endocrine Institute, Assaf Harofeh Medical Center
   3Sackler Faculty of Medicine, Tel Aviv University

48. Surveillance of Patients with Differentiated Thyroid Cancer: The Impact of Stimulated Thyroglobulin Measurement with or without Whole-body Scan
   Sharon Giveon, Sigal Levy, Pnina Rotman, Rachel Rosenblum, Orit Twito
   1Department of Internal Medicine D, Meir Medical Center
   2Statistics Education Unit, The Academic College of Tel Aviv-Yaffo
   3Institute 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 Shaley, Lilach Pnueli, Philippa Melamed
   Faculty of Biology, Technion-Israel Institute of Technology
51. **A Curious Case of Thyrotoxicosis**  
Mark Niven\(^1\), Ina Dubin\(^2\), Elizabeth Nissim\(^2\), Menachem Shapira\(^3\)  
\(^1\)Endocrinology and Diabetes, Laniado Hospital, Israel  
\(^2\)Internal medicine A, Laniado Hospital, Israel  
\(^3\)Endocrinology, Leumit Health Services  

52. **Fine Needle “Parathyroidectomy”**  
Pinchas Klein, Mark Niven  
Endocrine unit, Laniado Medical Center  

53. **Amiodarone-induced Thyrotoxicosis: A Late, Prolonged and Serious Complication**  
Yakov Rosen\(^1\), Hilla Knobler\(^1\), Tal Schiller\(^1\), Viviana Ostrovsky\(^1\), Lana Turkot\(^2\), Lyudmila Lysyy\(^3\), Taiba Zornitzki\(^1\)  
\(^1\)Diabetes, Endocrinology and Metabolic Disease Institute, Kaplan Medical Center, Hebrew University Medical School of Jerusalem  
\(^2\)Endocrinology Unit, Barzilai Medical Center  
\(^3\)Endocrinology Unit, Maccabi Healthcare Services