The 48th Annual Meeting of the Israel Endocrine Society

April 7-8, 2019, Hilton Tel Aviv Hotel

CONFERENCE TIME TABLE
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>07:30-08:30</td>
<td>Registration and Gathering</td>
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<tr>
<td>08:30-10:00</td>
<td>Parallel Oral Presentations</td>
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<td></td>
<td><strong>Thyroid</strong></td>
<td>Hall A</td>
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<tr>
<td></td>
<td>Chairs: Dania Hirsch, Carlos Benbassat</td>
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<td></td>
<td><strong>Reproduction</strong></td>
<td>Hall B</td>
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<tr>
<td></td>
<td>Chairs: Talia Geva Eldar, Joseph Orly</td>
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<td></td>
<td><strong>Obesity, Metabolic Syndrome</strong></td>
<td>Hall C</td>
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<td>Chairs: Yonit Marcus-Pelzman, Rosane Abramof-Ness</td>
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<tr>
<td>10:00-10:20</td>
<td>Coffee Break</td>
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<tr>
<td>10:20-11:20</td>
<td>Poster Session</td>
<td>Poster Hall</td>
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<tr>
<td>11:20-12:10</td>
<td>Prize lectures</td>
<td>Hall A</td>
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<td>Chair: Avraham Karasik</td>
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<td></td>
<td><strong>Lindner Prize</strong>, Eyal Robenshtok</td>
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<td><strong>Chowers Prize</strong>, Yael Riahi</td>
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<td><strong>Outstanding Community Physician Award</strong>, Elizabeta Baron</td>
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<tr>
<td>12:10-13:00</td>
<td>Plenary lecture 1</td>
<td>Hall A</td>
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<tr>
<td></td>
<td>Fat in the Blood, Fat in the Heart</td>
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<td></td>
<td>Ira Goldberg, NYU School of Medicine, NYU Langone Health</td>
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<td>Chair: Hannah Kanety</td>
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<tr>
<td>13:00-14:00</td>
<td>Lunch</td>
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<td>14:00-15:30</td>
<td>Parallel Symposia</td>
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<tr>
<td></td>
<td><strong>Symposium 1</strong></td>
<td>Hall A</td>
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<tr>
<td></td>
<td>Congenital Adrenal Hyperplasia (CAH) in 2019</td>
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<td></td>
<td>Chairs: Naomi Weintrob, David Zangen</td>
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<td></td>
<td><strong>Symposium 2</strong></td>
<td>Hall B</td>
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<td></td>
<td>Big Data – Digital Health in Endocrinology</td>
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<td>Chairs: Moshe Phillip, Irit Hochberg</td>
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<tr>
<td>14:00-14:30</td>
<td>Nils P Krone</td>
<td>Hall A</td>
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<td></td>
<td>Molecular Pathogenesis of Rare Forms of CAH</td>
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<td>Academic Unit of Child Health</td>
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<td>Dep. of Oncology &amp; Metabolism</td>
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<td>University of Sheffield; Sheffield Children's Hospital, Western Bank, UK</td>
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<td>14:30-15:00</td>
<td>Naomi Weintrob¹, David Zangen²</td>
<td>Hall B</td>
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<td></td>
<td>Genotype DOES Predict Phenotype in CAH Secondary to 21-Hydroxylase Deficiency - The Israel Experience</td>
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<td>¹Department of Pediatrics, Meir Medical Center</td>
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<td>²Hadassah Medical Center</td>
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<tr>
<td>15:00-15:30</td>
<td>Adi Mory</td>
<td>Hall A</td>
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<td>21-Hydroxylase Deficiency, Insights from the Molecular Lab and Implication for the Clinic</td>
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<td>Genetic Laboratory, Rambam Health Care Campus</td>
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<td><strong>Shiri Salomon</strong></td>
<td>Hall B</td>
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<td>Changing the Landscape of Osteoporosis - Artificial Intelligence to Detect at-Risk Individuals</td>
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<td>Zebra Medical Vision</td>
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<td><strong>Eran Atlas</strong></td>
<td>Hall A</td>
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<td>The Emerging “Digital Diabetes -Clinic”</td>
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<td>CEO, DreaMed Diabetes</td>
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Monday, April 8, 2019

07:30-08:00
Registration and Gathering

08:00-09:30
3 Parallel - Oral Presentations

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<thead>
<tr>
<th>Session</th>
<th>Hall A</th>
<th>Hall B</th>
<th>Hall C</th>
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<tbody>
<tr>
<td>Bone Metabolism</td>
<td>Bone Metabolism</td>
<td>Diabetes, Basic and Clinical</td>
<td>Neuroendocrinology and Adrenal</td>
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<td>Hall A</td>
<td>Hall B</td>
<td>Hall C</td>
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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
University Hospital of Zurich
Chair: Naftali Stern

10:40-12:10
Parallel Symposia

<table>
<thead>
<tr>
<th>Symposium 3</th>
<th>Hall A</th>
<th>Symposium 4</th>
<th>Hall B</th>
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<tbody>
<tr>
<td>Lipids, Inflammation and Atherosclerosis - What’s new?</td>
<td>Lipids, Inflammation and Atherosclerosis - What’s new?</td>
<td>New Directions in Growth Hormone-IGF1 Research</td>
<td>New Directions in Growth Hormone-IGF1 Research</td>
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<tr>
<td>Chair: Hilla Knobler, Hofit Cohen</td>
<td>Chair: Naftali Stern</td>
<td>Chair: Haim Werner, Yona Greenman</td>
<td>Chair: Haim Werner, Yona Greenman</td>
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<td>Hall A</td>
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<td>Hall B</td>
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</tbody>
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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
Sheffield, UK

Meet the Expert
Endocrine Hypertension
Felix Beuschlein
University Hospital of Zurich

16:50-17:30
IES Members General Assembly
Executive Committee Report
Accountant Report
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<tr>
<td>12:10-12:20</td>
<td>Prizes for the Best Abstracts and Posters</td>
<td>Hall A</td>
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<tr>
<td>12:20-13:10</td>
<td>Plenary lecture 3</td>
<td>Hall A</td>
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<tr>
<td></td>
<td>John Kopchick, Ohio University</td>
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<td></td>
<td>Growth Hormone, Mini-mice, Football, Dirty Shorts, and a New Drug</td>
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<td>Chair: Zvi Laron</td>
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<td>13:10-14:10</td>
<td>Lunch</td>
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<td>14:10-15:40</td>
<td>Parallel Symposia</td>
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<td></td>
<td>Symposium 5</td>
<td>Hall A</td>
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<td></td>
<td>Mechanisms of Metabolic Surgery and Incretin Therapies for Diabetes and Obesity</td>
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<td>Chair: Gil Leibowitz, Benjamin Glaser</td>
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<td>14:10-14:40</td>
<td>Danny Ben Zvi</td>
<td>Hall B</td>
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<td>Sleeve Gastrectomy Improves Glycemia Independent of Weight Loss</td>
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<td>The Hebrew University of Jerusalem</td>
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<td>14:40-15:10</td>
<td>Sigal Fishman</td>
<td>Hall B</td>
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<td></td>
<td>GIP Regulation of Body Weight and Inflammation</td>
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<td></td>
<td>Sourasky Medical Center, Tel Aviv</td>
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<td>15:10-15:40</td>
<td>Ofri Mosenzon</td>
<td>Hall B</td>
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<td></td>
<td>The Present and Future of Incretin Therapies for Obesity and Diabetes</td>
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<td></td>
<td>The Diabetes Unit Hadassah University Hospital, Ein Kerem; Jerusalem</td>
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<td>15:40-15:50</td>
<td>Coffee Break</td>
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<td>15:50-16:50</td>
<td>Meet the Expert: Lipid disorders</td>
<td>Hall A</td>
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<td></td>
<td>Ira Goldberg</td>
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<td></td>
<td>NYU School of Medicine, NYU Langone Health</td>
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**Detailed Schedule**

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

**13:10-14:10**
- **Lunch**

**14:10-15:40**
- **Parallel Symposia**
  - **Symposium 5**
    - Mechanisms of Metabolic Surgery and Incretin Therapies for Diabetes and Obesity
    - Chair: Gil Leibowitz, Benjamin Glaser
  - **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**
- **Sigal Fishman**
  - GIP Regulation of Body Weight and Inflammation
  - Sourasky Medical Center, Tel Aviv

**15:10-15:40**
- **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
Parallel Symposia

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

Symposium 6                                                       Hall B
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

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

14:40-15:10
Sigal Fishman
GIP Regulation of Body Weight and
Inflammation
Sourasky Medical Center, Tel Aviv

Manuel Tena-Sempere
Metabolic-Reproductive Connections:
Molecular Basis for Disordered Puberty in
Malnutrition and Obesity
Physiology Section, Faculty of Medicine
University of Cordoba, Spain

15:10-15:40
Ofri Mosenzon
The Present and Future of Incretin
Therapies for Obesity and Diabetes
The Diabetes Unit Hadassah University Hospital,
Ein Kerem; Jerusalem

Dalit Modan
Gonadotropins Role in Mediating the
Medical Complications of Anorexia Nervosa
Pediatric Endocrinology and Diabetes Unit; The
Edmond and Lily Safra Children's Hospital, Sheba
Medical Center

15:40-15:50
Coffee Break

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

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

13:10-14:10
Lunch

The 48th Annual Meeting of the Israel Endocrine Society
April 7-8, 2019, Hilton Tel Aviv Hotel

PROGRAM
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<th>Time</th>
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<th>Chairs</th>
<th>Presenters</th>
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<td>A.R.M Clinics, A.R.M Otolaryngology Head and Neck &amp; Maxilloficial Surgery</td>
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<tr>
<td>08:42</td>
<td>Urinary Iodine Content (UIC) and its Correlation to Maternal and Neonatal Thyroid Functions in Israel</td>
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<td>Tal Schiller¹, Hilla Knobler¹, Arnon Agmon², Viviana Ostrovsky¹, Taiba Zornitzki¹</td>
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<td>¹Diabetes, Endocrinology and Metabolism Unit, Kaplan Medical Center</td>
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<td>²Lev Tel-Aviv Women’s Health Center, Clalit Health Services</td>
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<td>08:54</td>
<td>Thyroid Dysfunction and Mortality in Cardiovascular Hospitalized Patients – A 12 years Follow-up Observational Study</td>
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<td>Meir Frankel¹, Feras Bayya², Rivka Farkash², Michael Glikson², Gabriel Munter¹</td>
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<td>¹Endocrinology Unit, Shaare-Zedek Medical Center</td>
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<td>²Cardiology Department, Shaare-Zedek Medical Center</td>
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<td>09:06</td>
<td>Thyroglobulin and Anti-thyroglobulin Antibodies Following Lobectomy: Implications for Response to Therapy Restaging System</td>
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<td>Amit Ritter²⁻⁴, Gideon Bachar²⁻⁴, Ilan Shimon¹⁻⁴, Dania Hirsch¹⁻⁴, Carlos Benbassat³⁻⁴, Talia Diker-Cohen¹⁻⁴, Hadar Duskin-Bitan¹⁻⁴, Eyal Robenshtok¹⁻⁴</td>
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<td>¹Endocrinology Institute, Rabin Medical Center</td>
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<td>²Department of Otorhinolaryngology, Head and Neck Surgery, Rabin Medical Center</td>
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<td>³Endocrine Institute, Assaf Harofeh Medical Center</td>
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<td>⁴Sackler Faculty of Medicine, Tel Aviv University</td>
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<td>09:18</td>
<td>Response to Therapy Assessment in Intermediate-Risk Differentiated Thyroid Cancer Patients – Is rhTSH Stimulation Required?</td>
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<td>Itamar Moreno², Ilan Shimon¹², Dania Hirsch¹², Carlos Benbassat²³, Eyal Robenshtok¹²</td>
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<td>³Endocrinology Department, Assaf Harofeh Medical Center</td>
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<td>09:30</td>
<td>PD-L1 Expression in Normal Endocrine Tissues</td>
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<td>Maayan Kagan³, Rena Pollack¹, Rivka Dresner-Pollak¹, Tzahi Neuman²</td>
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<td>¹Endocrinology, Diabetes and Metabolism, Hadassah-Hebrew University Medical Center</td>
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<td>²Pathology, Hadassah-Hebrew University Medical Center</td>
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<td>³Hebrew University School of Medicine, Jerusalem,</td>
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</table>
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 Tobias2,3, Yardena Tenenbaum-Rakover1,3, Tal Almagor1,2,3, Shlomo Almashanu4, Morad Khayat5, Osnat Admoni1,3
   1Pediatric Endocrine Institute, Ha’Emek Medical Center
   2Pediatric Department B, Ha’Emek Medical Center
   3The Rappaport Faculty of Medicine, Technion
   4The National Newborn Screening Program, Ministry of Health, Tel Hashomer
   5Genetic Laboratory, Ha’Emek Medical Center

08:30-10:00  Reproduction
   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
   Cfr 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 Kerem1,2, Yona Greenman1,2, Iris Yaish1,2, Yael Sofer1,2, Nechama Golani1, Naftali Stern1,2, Karen Tordjman1,2
   1Institute of Endocrinology, Metabolism, and Hypertension, Tel Aviv Sourasky Medical Center
   2Medicine, 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 Malinger2,3, Karen Tordjman1,3, Foad Azem1,3, Yael Sofer1, Nechama Golani1, Naftali Stern1,3, Foad Azem, Yona Greenman1,3
   1Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv-Sourasky Medical Center
   2Lis Maternity Hospital, Tel Aviv-Sourasky Medical Center, Tel Aviv-Sourasky Medical Center
   3Sackler 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, Elnav Cohen-Kfir1,2, Oran Yakobovsky1, Rivka Dresner-Pollak1
   1Endocrinology and Metabolism Department, Division of Medicine, Hadassah-Hebrew University Medical Center
   2Institute of Medical Research Israel-Canada, Hebrew University-Hadassah Medical School3
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 Vries¹³, Avivit Brener¹³, Amnon Zung⁴ ⁵, Ori Eyal¹⁶, Marianna Rachmiel¹⁷ ², Ilana Koren⁶, Yardena Tenenbaum-Rakover⁸¹⁰, Eli Hershkovitz¹¹ ¹², Zohar Landau¹³, Meirav Oren¹⁴, Alon Eliakim¹⁵ ¹⁶, David Zangen⁵ ¹⁶, Alina German¹⁷, Hussein Majdoub¹², Kineret Mazor-Aronovitch¹², Dalit Modan-Moses¹², Yonatan Yeshayahu¹², Larisa Naugolni⁷, Yael Levy-Shraga¹², Michal Ben-Ami¹³,⁸, Gherta Brill¹⁸, Nehama Zuckerman-Levin¹⁰,¹⁹, Floris Levy-Khademii⁵,²⁰, Carmit Avnon-Ziv⁵,²⁰, Dov Tiosano¹⁰,¹⁴, Shira Harel²¹, Einat Kedem¹³, Anat Segev-Becker⁶, Yehuda Shoenfeld¹¹,²², Orit Pinhas-Hamiel¹,²

¹ Sackler School of Medicine, Tel-Aviv University
² Pediatric Endocrine and Diabetes Unit, Edmond and Lily Safra Children's Hospital, Sheba Medical Center
³ The Jesse Z and Sara Lea Shafer Institute for Endocrinology and Diabetes, Schneider Children's Medical Center of Israel
⁴ Pediatric Endocrinology Unit, Kaplan Medical Center
⁵ The School of Medicine, The Hebrew University of Jerusalem
⁶ Pediatric Endocrinology and Diabetes Unit, Dana-Dwek Children Hospital, Tel Aviv Sourasky Medical Center
⁷ Pediatric Endocrinology Unit, Assaf Harooffeh Medical Center
⁸ Pediatric Clinic, Armon Child Center, Clalit Health Services
⁹ Pediatric Endocrine Unit, Ha'Emek Medical Center
¹⁰ The Rappaport Endocrinology Faculty of Medicine, Technion
¹¹ Pediatric Endocrinology and Metabolic Unit, Soroka University Medical Center
¹² Israel and the Faculty of Health Sciences, Ben-Gurion University of the Negev
¹³ Pediatric Endocrine and Diabetes Unit, E. Wolfson Medical Center
¹⁴ Paediatric Endocrine Unit, Rambam Health Care Campus
¹⁵ Pediatric Department, Meir Medical Center
¹⁶ Division of Pediatric Endocrinology, Hadassah Hebrew University Medical Center
¹⁷ Pediatric Department, Bnei Zion Medical Center
¹⁸ Migdal Hamea, Clalit Health Services
¹⁹ Institute of Diabetes, Endocrinology and Metabolism, Rambam Medical Center
²⁰ Division of Pediatric Endocrinology, Shaare Zehek Medical Center
²¹ Central District, Maccabi Health Services
²² Zabludowicz Center for Autoimmune Diseases, Sheba Medical Center, Tel-Hashomer

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 Yakovbovsky¹, Donna Zfat-Zwas², Rivka Dresner-Pollak¹

¹ Endocrinology and Metabolism Department, Division of Medicine, Hadassah-Hebrew University Medical Center
² Linda Joy Pollin Cardiovascular Wellness Center for Women, Division of Cardiology, Hadassah-Hebrew University Medical Center
³ Current 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 Bendor1,4, Aya Bardugo1,3, Zivan Berr3, Estela Derazne2,3, Dorit Tzur3, Ehud Grossman2,5, Arnon Afek2,5, Orit Pinhas-Hamiel1,6, 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 Twig4,7 Tali Cukierman-Yaffe8,9, 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 Institute of Endocrinology, 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

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 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

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, Ofr Forsht2, Esther Osher2, Limor Nahary3, Sigal Shakalai1, Karen Tordjman, Merav Serebro1, Elia-Belle Touati1, Michal Yacobi Bach1, Yonit Marcus1, Brurya Tal1, Jessica Sack1, Gabi Shefer1, Nathan Landis1, Naftali Stern1, Dan Frenkel1

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 and Sagol School of Neuroscience, Tel Aviv University
3Department 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  
   Hall A

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  
   Hall A

13:00-14:00  Lunch

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
   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 Weintrob¹, David Zangen²
   ¹Department of Pediatrics, Meir Medical Center
   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
### SUNDAY, APRIL 7, 2019

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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>14:00-15:30</td>
<td>Symposium 2: Big Data – Digital Health in Endocrinology&lt;br&gt;Chairs: Moshe Phillip, Irit Hochberg</td>
<td>Hall B</td>
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<tr>
<td>14:00</td>
<td>Big Data: From Research to Value&lt;br&gt;Varda Shalev&lt;br&gt;Director of research and innovation institute Maccabi and Morris Kahn.&lt;br&gt;Tel Aviv university, Sackler School of Medicine</td>
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<tr>
<td>14:30</td>
<td>Changing the Landscape of Osteoporosis- Artificial Intelligence to Detect at-Risk Individuals&lt;br&gt;Shiri Salomon&lt;br&gt;Zebra Medical Vision</td>
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<td>15:00</td>
<td>The Emerging Digital Diabetes -“Clinic”&lt;br&gt;Eran Atlas&lt;br&gt;CEO, DreaMed Diabetes</td>
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<tr>
<td>15:30-15:50</td>
<td>Coffee Break</td>
<td>Foyer</td>
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| 15:50-16:50| Meet the Expert  
Novel Avenues in the Management of Congenital Adrenal Hyperplasia<br>Nils P Krone<br>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<br>Felix Beuschlein<br>University Hospital of Zurich | Hall B    |
| 16:50-17:30| IES Members General Assembly Executive Committee Report<br>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, 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 Nemirovski4, Yankel Gabet1
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 Frenkel2, 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
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 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 Aharon-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 Arbiv1, 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
*Iren Zargari1,2, Adi Adar1,2, Rimona Keidar2,3, Ori Eyal3,4, Neta Loewenthal5,
Orit Pinhas-Hamiel6,7, Iris Morag2,7, Milana Levy8, Orna Dally-Gottfried9,
Zohar Landau2,10, Floris Levy-Khademi1,12, 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
5Pediatric Endocrinology and Diabetes Unit, Dana-Dwek Children Hospital, Tel Aviv
6Sackler School of Medicine, Tel Aviv University
7Pediatric Endocrinology and Diabetes Unit, Assaf Harofeh Medical Center
8Pediatric Endocrinology and Diabetes Unit, Dana-Dwek Children Hospital, Tel Aviv
9Pediatric Endocrinology and Diabetes Unit, Dana-Dwek Children Hospital, Tel Aviv
10Pediatric Endocrinology and Diabetes Unit, Dana-Dwek Children Hospital, Tel Aviv
11The Center for Juvenile Diabetes and Pediatric Endocrinology and Pediatric Outpatient Clinics, Rebecca Ziv Hospital, Safed, affiliated to The School of Medicine, Bar Ilan University
12Pediatric Endocrinology and Diabetes Unit, E. Wolfson Medical Center
13The School of Medicine, The Hebrew University of Jerusalem
14Division of Pediatric Endocrinology, Shaare Zedek Medical Center
15Division of Pediatric Endocrinology, Hadassah Hebrew University Medical Center
16Neonatal Intensive Care Unit, Hadassah Hebrew University Medical Center
17Infectious 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 Yeroslaviz1, Yael Riahi1, Aviram Kogot-Levin2, Tal Israeli1, Erol Cerasi1, Boaz Tirosh3, Gil Leibowitz1  
1Endocrinology and Metabolism, The Hebrew University-Hadassah Medical School, Jerusalem  
2The Diabetes Unit, Hadassah-Hebrew University Medical Center, Jerusalem  
3The 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 Linn5, Wasef Nhamnih3, Ilana Koren1  
1Pediatric Diabetes Clinic Armon Child Center, Clalit Health Services  
2School of Public Health, Haifa University  
3Gertner institute, Chaim Sheba Medical Center  
4School 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 Cohen1,2, Dror Harats1,2, Aviv Shaish1,3, Joseph Roitelman1,2  
1Chaim Sheba Medical Center, The Bert W. Strassburger Lipid Center  
2Tel Aviv University, Sackler Faculty of Medicine  
3Academic 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  
1The Diabetes Unit, Hadassah-Hebrew University Medical Center, Jerusalem  
2The Diabetes Unit and the Endocrine Service, Hadassah-Hebrew University Medical Center, Jerusalem  
3Obesity 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 Frankel2,3, Einat Gorelik1, Eli Marom1  
1Pharmaceutical Division, Ministry of Health  
2Endocrinology unit, Shaare-Zedek Medical Center  
3Diabetes & 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  
1Gynecology and Obstetrics, Sheba Medical Center  
2Endocrinology, Sheba Medical Center
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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Chair(s)</th>
<th>Location</th>
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<tbody>
<tr>
<td>08:00-09:30</td>
<td><strong>Neuroendocrinology + Adrenal</strong>&lt;br&gt;Chairs: Ester Osher, Ilan Shimon</td>
<td>Hall C</td>
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| 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 |                                  |                |
| 08:48      | Ovarian adrenal rest tumors in congenital adrenal hyperplasia: Is medical treatment the first line option?  
Ronit Koren¹,⁶, Shlomit Koren³,⁶, 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 |                                  |                |
| 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
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
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

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
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

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<tr>
<td>12:10-12:20</td>
<td>Prizes for the Best Abstracts and Posters</td>
<td>Hall A</td>
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<tr>
<td>12:20-13:10</td>
<td>Plenary lecture 3&lt;br&gt;Chair: Zvi Laron</td>
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<tr>
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<td><strong>Growth Hormone, Mini-mice, Football, Dirty Shorts, and a New Drug</strong></td>
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<td>John Kopchick&lt;br&gt;Ohio University, USA</td>
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<tr>
<td>13:10 - 14:10</td>
<td>Lunch</td>
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<tr>
<td>14:10-15:40</td>
<td><strong>Symposium 5</strong>&lt;br&gt;Mechanisms of Metabolic Surgery and Incretin Therapies for Diabetes and Obesity&lt;br&gt;Chairs: Gil Leibowitz, Benjamin Glaser</td>
<td>Hall A</td>
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<tr>
<td>14:10</td>
<td><strong>Sleeve Gastrectomy Improves Glycemia Independent of Weight Loss</strong></td>
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<td>Danny Ben Zvi&lt;br&gt;The Hebrew University of Jerusalem</td>
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<td>14:40</td>
<td><strong>GIP Regulation of Body Weight and Inflammation</strong></td>
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<td>Sigal Fishman&lt;br&gt;Sourasky Medical Center, Tel Aviv</td>
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<tr>
<td>15:10</td>
<td><strong>The Present and Future of Incretin Therapies for Obesity and Diabetes</strong></td>
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<td>Ofri Mosenzon&lt;br&gt;The Diabetes Unit Hadassah University Hospital, Ein Kerem; Jerusalem</td>
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<td>14:10-15:40</td>
<td><strong>Symposium 6</strong>&lt;br&gt;Central Control of Reproductive Function&lt;br&gt;Chairs: Philippa Melamed; Adi Avrech</td>
<td>Hall B</td>
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<td>14:10</td>
<td><strong>Early-life Stress and Effects on Adult Reproductive Function</strong></td>
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<td>Philippa Melamed&lt;br&gt;Faculty of Biology, Technion Institute of Technology, Haifa</td>
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<tr>
<td>14:40</td>
<td><strong>Metabolic-Reproductive Connections: Molecular Basis for Disordered Puberty in Malnutrition and Obesity</strong></td>
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<td>Manuel Tena-Sempere&lt;br&gt;Physiology Section, Faculty of Medicine University of Cordoba, Spain</td>
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<td>15:10</td>
<td><strong>Gonadotropins Role in Mediating the Medical Complications of Anorexia Nervosa</strong></td>
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<td>Dalit Modan&lt;br&gt;Pediatric Endocrinology and Diabetes Unit, The Edmond and Lily Safra Children’s Hospital, Sheba Medical Center</td>
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<td>15:40-15:50</td>
<td>Coffee Break</td>
<td>Foyer</td>
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<td>15:40-16:50</td>
<td>Meet the Expert</td>
<td>Hall A</td>
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<td><strong>Lipid Disorders</strong>&lt;br&gt;Ira Goldberg&lt;br&gt;NYU School of Medicine, NYU Langone Health</td>
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The 48th Annual Meeting of
the Israel Endocrine Society

April 7-8, 2019, Hilton Tel Aviv Hotel

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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 Saiegh, Ibrahim Mattar, Carmela Shechner, Maria Reut, Jacob Bejar, Monica Laniado, Mohammad Sheikh-Ahmad
   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 Neeman, Rachel Bello, Liora Lazar, Moshe Phillip, Liat de Vries
   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 Rosenblum, Karine Atlan, Judith Diment, Haggi Mazeh, Pnina Rotman-Pikielny, Orit Twito
   1Endocrinology Institute, Meir Medical Center
   2Department of Pathology, Hadassah-Hebrew University Medical Center
   3Department 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, Alon Grossman, Varda Nadler, Sandra Alboim, Gloria Tsvetov
   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 Davidov, Erella Elkoon-Tamir, Gabi Shefer, Naomi Weintrob, Asaf Oren, Yael Lebenthal, Dror Mandel, Ori Eyal
   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 Tkacheva, Efrat Markus, Shlomit Koren, Carlos Benbassat, Miriam Steinschneider
   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 Zadik1, 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 Tirosh

10. Three Years Persistence with Denosumab as Osteoporosis Therapy in Maccabi Healthcare Services
Naama Fund1, Inbal Goldshtein1, Vanessa Rouach1,2, Gabriel Chodick1,2, 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, Ethub 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-Shraga1, Anatoli Shenkar2, Amit Assa2, Dalit Modan1,2, Yael Haberman2, Dror Shouval1, 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 Arbib\(^1\), 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 Rosenblum\(^1\), Yael Einbinder\(^2\), Orit Twito\(^1\), Giovanna Mantovani\(^3\), Francesca Elli\(^3\), Pnina Rotman-Pikielny\(^1\)  
\(^1\)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 Ron\(^1\), Moran Rathaus\(^1\), Rinat Livne\(^1\), Nissim Oz\(^1\), Assaf Rudich\(^3\), 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 Universiry

18. **New Autosomal Dominant Mutation in Glucokinase Gene Causing Congenital Hyperinsulinism**  
Ilana Koren\(^1\), Amir Peleg\(^2\), Lena Sagai-Dain\(^2\), Amalia Harari-Shaham\(^2\), Gal Larom-Kahan\(^2\), Ben Glaser\(^2\)  
\(^1\)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 Souraski medical center

20. **Towards Implementation of St. Vincent Declaration – Outcomes of Pre-gestational Diabetic Women Pregnancies**  
Nimrod Dori-Dayan\(^1\), Rakefet Yoeli-Ulman\(^1\), Neomi Kedar\(^2\), Ohad Cohen\(^2\), Tali Cukierman-Yaffe\(^2\)  
\(^1\)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 Zimmet\(^3\), Viktoria Vishnevskaia-Dai\(^4\), Haim Einat\(^5\), Galila Agam\(^2\), Ehud Grossman\(^4\), Noga Kronfeld-Schor\(^1\)  
\(^1\)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 Mdah1,2, Roni Zemet3, Idit Ron1, Shali Mazaki-Tovi2,3, Amir Tirol1,3
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 Yoel1,3, 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

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, Michal 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 Levin1,4, Tamar Paperna2, Tova Hershkovitz2,4, Ady Mory2, Alina Kurolap2,4, Jamal Mahamid1, Hagit Baris Feldman2,4, Naim Shehadeh1,4
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 Zohar1,6,7, Shani Zilberman2,6,7, Shlomit Koren3,4,6,7, Ronit Zaidenstein1,6,7, Dror Marchaim6,7, Ronit Koren1,6,7
1Department of Internal Medicine A, Assaf Harofe Medical Center
2Department of Nephrology, Assaf Harofe Medical Center
3Endocrine Institute, Assaf Harofe Medical Center
4Diabetes Unit, Assaf Harofe Medical Center
5Unit of Infectious Diseases, Assaf Harofe 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 Lysy1, 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-Hamiel1,2, Brian Reichman4,5, Estela Derazne1,4, Asaf Vivante4,6, Yair Barak4, Arnon Afek4,7, Amir Tirosh4,6, 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-Saminsky¹, Karthik Nagaraj¹, Metsada Pasmanik-Chor², Zvi Laron³, Haim Werner⁴
   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-Iraqi¹,², Amit Akirov¹,², Ilan Shimon¹,²
   ¹Endocrinology, Rabin Medical Center-Bellinson 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 Laron¹, Chen Barazani²
   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 Laron¹, Yoav Uchitel³, Rivka Kauli², Osnat Konen⁴, Pearl Lilos⁵
   ¹Endocrinology & Diabetes Unit, Schneider Children's Medical Center
   ²Endocrinology and Diabetes, Schneider Children's Medical Center
   ³Endocrinology and Diabetes, Schneider Children's Medical Center
   ⁴Imaging 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 Knigin¹, Shani Avniel-Polak², David Joseph Gross², Simona Grozinsky-Glasberg²
   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 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
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 Steinschneider1,3, Shlomit Koren1,3, Karen Or1, Efrat Markus1, Carlos Benbassat1,3, Limor Muallem Kalmovich2,3
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-Bitan1,3, Chagit Adler-Cohen1, Ayelet Ferder2,3, Ilan Shimon1,3, Alon Grossman2,3
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 Hirsch1,3, Ilana Slutzky-Shraga1,3, Eyal Robenshtok1,3, Carlos Benbassat2,3, Alex Gorshtein1,3
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 Giveon1, Sigal Levy2, Pnina Rotman3, Rachel Rosenblum3, Orit Twito3
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 Shalev, Lilach Pnueli, Philippa Melamed
Faculty of Biology, Technion-Israel Institute of Technology
51. **A Curious Case of Thyrotoxicosis**  
Mark Niven\textsuperscript{1,2}, Ina Dubin\textsuperscript{3}, Elizabeth Nissim\textsuperscript{2}, Menachem Shapira\textsuperscript{3}  
\textsuperscript{1}\textit{Endocrinology and Diabetes, Laniado Hospital, Israel}  
\textsuperscript{2}\textit{Internal medicine A, Laniado Hospital, Israel}  
\textsuperscript{3}\textit{Endocrinology, Leumit Health Services}  

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

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