### Thursday, May 01, 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>07:45</td>
<td>Registration</td>
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<tr>
<td>08:30-10:00</td>
<td>Parallel Sessions S17-S25</td>
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<tr>
<td>08:30-10:00</td>
<td>S17 - Special Session in Memory of Richard S. Meltzer</td>
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<tr>
<td>Chairs: Zvi Vered; Shimon Reisner, Israel</td>
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<tr>
<td>08:30</td>
<td><strong>We Remember:</strong></td>
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<td>Zvi Vered</td>
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<td>Philip Greenland</td>
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<td>Shimon Reisner</td>
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<td>David Harpaz</td>
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<td>Ronald G. Schwartz</td>
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<tr>
<td>08:40</td>
<td><strong>Novel Biomarkers of Cardiovascular Risk: An Unbiased Proteomic Approach</strong></td>
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<td>Peter Ganz</td>
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<td>San Francisco General Hospital, San Francisco, CA, USA</td>
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<td>08:55</td>
<td><strong>The Role of Coronary CT (and CTA) in Risk Assessment</strong></td>
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<td>Philip Greenland</td>
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<td>Northwestern University Feinberg School of Medicine, Chicago, IL, USA</td>
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<td>09:10</td>
<td><strong>Speckle Tracking Echocardiography in the Assessment of Ischemia, Reperfusion and Viability</strong></td>
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<td>Zvi Vered</td>
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<td>Assaf Harofeh Medical Center, Zerifin, Israel</td>
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<td>09:25</td>
<td><strong>Clinical Advantages of High Speed CZT SPECT Cardiac Imaging</strong></td>
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<td>Ronald G. Schwartz</td>
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<td>University of Rochester Medical Center, Rochester, NY, USA</td>
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<td>09:40</td>
<td><strong>Functional and Anatomic Assessment of Coronary Artery Disease by MRI</strong></td>
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<td>Ashraf Hamdan</td>
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<td>Chaim Sheba Medical Center, Tel Hashomer, Israel</td>
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<td>09:55</td>
<td><strong>Q+A, Closure Remarks</strong></td>
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<td>Yoseph Rozenman</td>
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<td>President, Israel Heart Society</td>
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Thursday, May 01, 2014

08:30-10:00  S18 - Rehabilitation, Epidemiology, Prevention and Pharmacotherapy  
Hall B  
Chairs: Alex Gavish; Avital Porter, Israel

08:30  The Association between Kidney Function within the Normal or Mildly Impaired Range and Cardiovascular Disease - A Large National, Population-Based Study  
Alon Eisen¹, Zaza Iakobishvili¹, Ran Balicer², Orna Reges², Yardena Rabi², Morton Leibowitz², Moshe Hoshen², David Hasdai¹  
¹Rabin Medical Center, Petach Tikva; ²Clalit Health Services, Tel Aviv, Israel

08:45  Tall Stature in Coronary Heart Disease Patients is Associated with Decreased Risk of Frailty in Late Life  
Miri Lutski¹, David Tanne¹,², Uri Goldbourt¹  
¹Tel Aviv University, Tel Aviv; ²Sheba Medical Center, Ramat Gan, Israel

09:00  Does Lipoprotein associated Phospholipase A2 Improve Mortality Prediction among Coronary Heart Disease Patients in Israel?  
Batya Sapir², Michal Benderly¹,², Reuven Zimlichman³  
²Sheba Medical Center, Tel-Hashomer, Ramat Gan; ³Tel Aviv University, Tel Aviv; ³Sackler Faculty of Medicine, Tel Aviv University; Edith Wolfson Medical Center, Holon, Israel

09:15  Effect of Socioeconomic Status on Short Term Outcomes in Patients after Myocardial Infarction-results from Pilot Study  
Nir Shlomo, Ilan Goldenberg, Shlomi Matetzky  
Chaim Sheba Medical Center, Ramat-Gan, Israel

09:30  High Levels of Anxiety and Depressive Symptoms, Especially among Women, 1-year after Coronary Artery Bypass Graft Surgery: A Multicenter Longitudinal Study of 811 Cardiac Patients  
Michael Brik¹, Yaakov Drory¹, Rachel Dankner¹,²  
¹School of Public Health, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv; ²The Gertner Institute for Epidemiology and Health Policy Research, Ramat Gan, Israel

09:45  CETP Genetic Variation Modulates Effects of Weight-Loss Diets on Lipid Profile in Two Independent 2-Year Diet Intervention Studies: The Pounds Lost and DIRECT Trials  
Ronen Durst¹, Qibin Qi², Dan Schwarzfuchs³, Eran Leitersdorf¹, Shoshi Shpitzen¹, Meir J. Stampfer²,², Frank M. Sacks², Iris Shai⁴, Lu Qi²  
¹Hadassah Hebrew University Medical Center, Jerusalem, Israel; ²Harvard School of Public Health, Boston, MA, USA; ³The Nuclear Research Center, Dimona; ⁴Ben Gurion University of the Negev, Beer Sheva, Israel
<table>
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<th>Time</th>
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<th>Speakers</th>
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<tr>
<td>08:30</td>
<td>Myocardial Revascularization in ISRAEL: Variations in the PCI-to-CABG Ratio versus other Developed Countries</td>
<td>Dan Spiegelstein, Ilan Goldenberg, Ehud Raanani</td>
<td>Chaim Sheba Medical Center, Ramat Gan, Israel</td>
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<td>08:43</td>
<td>Native Coronary Artery Patency following Coronary Artery Bypass Surgery</td>
<td>David Pereg¹, Paul Fefer², Rafael Wolff¹, Stephan Fremes¹, Bradley Strauss¹</td>
<td>Sunnybrook Hospital, Toronto, Ontario, Canada; Chaim Sheba Medical Center, Tel Hashomer, Israel</td>
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<td>08:56</td>
<td>Residual SYNTAX Score and Long Term Clinical Outcomes in Patients with Severe Coronary Artery Disease Treated by Percutaneous Coronary Interventions</td>
<td>Guy Witberg, Ifat Lavi, Ran Kornowski</td>
<td>Rabin Medical Center, Petach Tikva, Israel</td>
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<td>09:09</td>
<td>Impact of Coronary Chronic Total Occlusions on Long-Term Mortality in Patients Undergoing Coronary Artery Bypass Grafting</td>
<td>Paul Fefer, Sharon Gannot, Ksenya Kochkina, Elad Maor, Shlomi Matetzky, Ehud Raanani, Victor Guetta, Amit Segev</td>
<td>Chaim Sheba Medical Center, Ramat Gan, Israel</td>
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<td>09:22</td>
<td>Predictors of Long Term Outcomes in a Large Cohort of 11441 Consecutive PCI Patients</td>
<td>Tamir Bental¹², Abid Assali¹², Eli I Lev¹², Hana Vaknin-Assa¹², Ran Kornowski¹</td>
<td>Rabin Medical Center, Petach Tikva; Tel-Aviv University, Tel Aviv, Israel</td>
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<td>09:35</td>
<td>Predictors of Successful Chronic Total Occlusion (CTO) Revascularization - Is There Still a Role for The Old Predictors?</td>
<td>Gabriel Greenberg, Ran Kornowski, Eli I Lev, Hanna Vaknin-Assa, Abid Assali</td>
<td>Rabin Medical Center, Petach-Tikva, Israel</td>
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<td>09:48</td>
<td>Complete Revascularization in Patients with Cardiogenic Shock - Is It the Best Treatment Option?</td>
<td>Gabriel Greenberg, Ran Kornowski, Eli I Lev, Hanna Vaknin Assa, David Brosh, Abid Assali</td>
<td>Rabin Medical Center, Petach-Tikva, Israel</td>
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08:30-10:00  S20 - Cardiovascular Surgery
            Hall D
            Chairs: Ehud Raanani; Gil Bolotin, Israel

08:30     Isolated Tricuspid Valve Surgery - Early and Late Outcome
            Dan Spiegelstein, Hillit Cohen, Ido Ferstenfeld, Shani Levin,
            Leonid Sternik, Alexander Kogan, Ori Vaturi, Rafael Kuperstein,
            Ehud Raanani
            Chaim Sheba Medical Center, Ramat Gan, Israel

08:45     Estimated Surgical Risk and Anatomical Compatibility for MitraClip
            Intervention in Patients with Severe Mitral Regurgitation According
            to Valve Disease Etiology
            Itai Gofman², Diab Mutlak², Jonathan Lessick², Arthur Kerner², Shimon
            Reisner², Yoram Agmon²
            ²Rambam Medical Center; ²Technion - Israel Institute of Technology, Haifa,
            Israel

09:00     Transapical Trans-catheter Valve-in-Valve Implantation for Failed
            Mitral Valve Bioprosthesis
            Eyal Nacum, Amihai Shinfeld, Sergey Preisman, Amit Segev,
            Victor Guetta, Paul Fefer, Ilan Hai, Israel Barbash, Ehud Raanani,
            Dan Spiegelstein
            Chaim Sheba Medical Center, Ramat Gan, Israel

09:15     Does Mitral Valve Annuloplasty Improve Long-term Survival in
            Patients Having Moderate Ischemic Mitral Regurgitation Undergoing
            CABG?
            Atia Alshousha, Ofer Merin, Daniel Fink, Rachel Tauber, Daniel Bitran, Shuli
            Silberman
            Shaare Zedek Medical Center, Jerusalem, Israel

09:30     Simple Repair for Mitral Regurgitation in Barlow Disease
            Sagit Ben Zekry, Dan Spiegelstein, Innon Lev, Leonid Sternik,
            Alexander Kogan, Rafael Kuperstein, Ehud Raanani
            Sheba Medical Center and Sackler School of Medicine, Tel Hashomer, Israel

09:45     Have the Surgical Techniques any Effect on Long-Term Results in
            Patients with Degenerative Mitral Valve Bi-Leaflet Prolapse?
            Giuseppe Petrone, Clemente Pascarella, Marianna Buonocore,
            Angelo Caiazzo, Gianantonio Nappi, Pasquale Santé
            Monaldi Hospital - Second University of Naples, Naples, Italy
Thursday, May 01, 2014

08:30-10:00  S21 - Joint Session
AFICARDIO-Israel Heart Society: Challenges in Sport Medicine in Cardiology  
Hall E
Chairs: Michael Glikson, Israel; Carré François; Albert Hagege, France

08:30  Role of Advanced Cardiovascular Imaging in Athletes Assessment  
François Carré  
Université Hospital, Rennes, France

08:50  Controversies in Cardiovascular Screening of Athletes  
Sami Viskin  
The Tel Aviv Medical Center, Tel Aviv, Israel

09:10  How to Optimally Interpret a Cardio-pulmonary Exercise Test Report?  
Alain Cohen-Solal  
Hopital Lariboisiere, Paris, France

09:30  Risk of Exercise in Specific Cardiomyopathies  
Michael Arad  
Chaim Sheba Medical Center, Ramat Gan, Israel

09:50  Discussion

08:30-10:00  S22-Pacing and Electrophysiology: Basic Science  
Hall F
Chairs: David Luria; Bernard Belhassen, Israel

08:30  Adrenergically-induced Arrhythmias in Induced Pluripotent Stem Cell-derived Cardiomyocytes Generated from CPVT Patients Carrying Mutations in the Ryanodine or Calsequestrin Genes  
Atara Novak1,2, Barad Lili1,2, Avraham Lorber3, Liron Eldor3, Joseph Itskovitz-Eldor1,2, Michael Eldar3, Michael Arad7, Ofer Binah1,2  
1The Sohnis Family Stem Cells Center; 2Technion - Israel Institute of Technology; 3Rambam Health Care Campus, Haifa; 7Chaim Sheba Medical Center, Tel Hashomer and Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel

08:45  Cumulative Effects of Three Novel NaV1.5 Channel Variants Underlie Severe Sinus and Atrio - ventricular Nodal Conduction Disease  
Eyal Nof1, Ronit Cherki1, Elena Burashnikov2, Charles Antzelevitch2, Nathan Dascal3, Roy Beinart1, Michael Eldar1, Michael Glikson1, David Luria1  
1Chaim Sheba Medical Center, Tel Hashomer; 2Masonic Medical Research Laboratory, Utica, USA; 3Sackler School Of Medicine, Tel Aviv, Israel

09:00  The Effect of Dabigatran and Rivaroxaban on Platelet Reactivity in Patients with Atrial Fibrillation  
Noa Zemer Wassercug1, Moti Haim2, Dorit Leshem-Lev1, Katia Orvin1, Ariel Gutstein1, Ehud Kadmon1, Ran Kornowski1, Eli I. Lev1  
1Rabin Medical Center, Petach Tikva; 2Meir Medical Center, Kefar Saba, Israel
Thursday, May 01, 2014

09:15  Specific Therapy Based on the Genotype in Malignant V411M Long QT3 Mutation
       Miry Blich, Asaad Khoury, Ibrahim Marai, Mahmoud Suleiman,
       Avraham Lorber, Lior Gepstein, Monther Boulous
       Rambam Health Care Campus, Haifa, Israel

09:30  Effects of Right Ventricular Pacing on Coronary Artery Blood Flow
       Dawod Sharif, Nemer Samniah, Maysam Shehab, Amin Khalil,
       Uri Rosenschein
       Bnai Zion Medical Center, Haifa, Israel

09:45  Heart Rate Analysis Using the Orthogonal Matching Pursuit for
       Imminent Tachyarrhythmia Prediction
       Shai Tejman Yarden, Ofer Levi1,2, Jiyan Yang3, Tobias Moeller-Bertram4,
       Michael Glikson1, James C Perry, Michael Saunders3, James C Perry4
       1Chaim Sheba Medical Center, Ramat Gan; 2Ben Gurion University of the
       Negev, Beer Sheva, Israel; 3Stanford University, Palo Alto, USA; 4University of
       California San Diego, San Diego, USA

08:30-10:00  S23-Basic Science  Hall G
       Chairs: Ronen Beeri; Eli Lev, Israel

08:30  High-fat Diet Ameliorates Left Ventricular Remodeling and
       Dysfunction in a Mouse Model of Dilated Cardiomyopathy
       Uri Amit1,2, David Kain1,2, Natalie Landa1,2, Natali Molotski1,2,
       Ariel Munitz1, Micha Feinberg1,2, Yariv Kanfi4, Haim Cohen3,
       Jonathan Leor1,2
       1Tel-Aviv University, Tel-Aviv; 2Tel-Hashomer Medical Center;
       3Bar-Ilan University, Ramat-Gan, Israel

08:45  The Transient Receptor Potential Vanilloid 2 Cation Channel is
       Abundant in Macrophages at the Peri-infarct Zone and May Be
       Involved in Necrotic Cardiomyocytes Phagocytosis
       Ran Levy1, Michal Entin-Meer1, Pavel Goryainov1, Iris Barshack2,
       Camila Avivi2, Gad Keren1
       1Tel-Aviv Sourasky Medical Center, Tel-Aviv; 2Chaim Sheba Medical Center,
       Ramat Gan, Israel

09:00  Mode of Injury Affects the Course of Regeneration and Repair in
       Neonatal and Adult Mouse Heart
       Tal Konfino, Natalie Landa, Jonathan Leor
       Chaim Sheba Medical Center, Tel Hashomer, Tel-Aviv University, Israel

09:15  Differential Expression of Thioredoxin in Human Arterial and Venous
       Coronary Artery Bypass Conduits. Relation to Metabolic State
       Tomer Koler, Didi Matza, Michaël Gold, Nurit Segal, Keren Oved, Malka Ora
       Rozenberg, Amit Korach, Ehud Rudis, Gil Leibowits, Oz M Shapira
       Hadassah Ein Karem, Jerusalem, Israel
Thursday, May 01, 2014

09:30  Voltage Gated Calcium Channels Regulate AT1 Receptor Signaling
Kristoffer Bernhem¹, Lena Scott², Hjalmar Brismar¹,², Anita Aperia²
¹Royal Institute of Technology, Stockholm; ²Karolinska Institutet, Solna, Sweden

08:30-10:30  S24 - Pediatric Cardiology
Hall H

08:30  Cryo-therapy Ablation for High Septal Accessory Pathways in
Children
Moshe Swissa¹, Tamir Dagan², Elchanan Bruckheimer², Einat Birk², Michael
Berant², Rami Fogelman²
¹Kaplan Medical Center, Rehovot; ²Schneider Children’s Hospital, Petach Tikva, Israel

08:45  Inappropriate Shocks and Power Delivery using Adult AED Pads in a
Pediatric Patient
Shai Tejman Yarden¹, Yehuda Atias², Joseph Danieli¹, Uriel Katz¹,
Marina Rubinstein¹, Julius Hegesh¹, Michael Glikson¹
¹Chaim Sheba Medical Center, Ramat Gan; ²Ilhud Hatzala, Bnei Braq, Israel

09:00  Electro Physiological Study and Ablation in Children with
Asymptomatic Wolff-Parkinson-White Syndrome
Rami Fogelman¹, Gilliy Yager-Yarom¹, Tamir Dagan¹,
Elchanan Bruckheimer¹, Einat Birk¹, Moshe Swissa²
¹Schneider Children’s Hospital, Petach Tikva; ²Kaplan Medical Center, Rehovot, Israel

09:15  Prevalence of Cardiac Diagnosis in a Large Teenage Cohort
Daniel Fink, Rivka Farkash
Shaare Zedek Medical Center, Jerusalem, Israel

09:30  Pilot Study for Ascertainment of a Rough Incidence of Asymptomatic
but Clinically Evident Rheumatic Heart Disease (rhd) in a Rural
Population of School Children North West of Gondar Ethiopia
Daniel Fink¹, Zemene Tigabu²
¹Shaare Zedek Medical Center, Jerusalem, Israel; ²Gondar College of Medicine
and Health Science, Gondar, Ethiopia

09:45  Cardiac MRI (CMR) for Coronary Imaging in Pediatric Patients -
Initial Experience
Yishay Salem¹, Orly Goitein², Jeefry Jacobson², David Mishali¹,
Joseph Danieli¹, Uriel Katz¹, David Almelech¹, Elio Di Segni²,
Julius Hegesh¹, Eli Konen²
¹Safra’ Children’s Hospital; ²Sheba Medical Center, Ramat Gan, Israel
Thursday, May 01, 2014

10:00  
**Association between Maternal Conditions and Congenital Heart Defects in the Negev Area of Israel**
Renana Ben Yona¹, Moshe Stavsky¹,², Maayan Yitshak Sade¹,², Viktoria Ioffe¹,², Eli Zalstein¹,², Hanah Krimko¹,², Victor Novack¹,², Aviva Levitas¹,²
¹Ben-Gurion University of the Negev; ²Soroka University Medical Center, Be’er Sheva, Israel

10:15  
**Percutaneous Closure of Very Large Atrial Septal Defects: Feasibility and Results in 336 Cases, among a Cohort of 1470 Consecutive Patients**
Jérôme Petit, Alban Baruteau, Lucile Houyel, Jean Dominique Piot
Marie Lannelongue Hospital, Paris, France

10:00-10:30  
**Coffee Break, Exhibition & E-Posters Visit, Exhibition**

10:30-12:50  
**PL3 - Plenary Session**
*Halls ABC*
Chairs: Fausto J. Pinto, Portugal; Yoseph Rozenman; Amit Segev; Gideon Sahar; Daniel Fink, Israel

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**Scholarship & Awards of the Israel Heart Society**
Jan J. Kellerman Young Investigator in Cardiology Awards
Michael Mirowski Excellence in Cardiology Award
Richard, Hilda and Ezra Meltzer Memorial Award
Daniel Shiran Outstanding Cardiology Resident Award
Best Publication & Abstract Awards
Mayo Clinic Fellowship Award
Merck Fellowship Awards
Orbotech Fellowship Award
Trireme Fellowship Award

**Scholarship & Awards of the Israel Society of Cardiothoracic Surgery**
Ami Cohen Young Investigator in Cardiac Surgery Awards
Hanoch Milwidsky Outstanding Cardiac Surgery Resident Awards

**Joint Session: European Society of Cardiology - Israel Heart Society**

11:30  
**HDL-Dysfunction: Is Raising HDL-C Still a Therapeutic Option?**
Thomas F. Lüscher
*Editor-in-Chief, European Heart Journal*
University Heart Center, Zurich, Switzerland

11:50  
**Multimodality Imaging in Coronary Artery Disease**
Fausto J. Pinto
*President - Elect, European Society of Cardiology*
Lisbon Cardiovascular Institute, Lisbon, Portugal
Thursday, May 01, 2014

12:10  **CABG and PCI in 2014: Practice and Politics**  
David P. Taggart  
*University of Oxford, Oxford, England*

12:30  **“Genes, Cells, Cardiology”**  
Moshe Flugelman  
*Carmel Medical Center, Haifa, Israel*

12:50-14:45  **Lunch & Lunch Sessions, Exhibition & E-Posters Visit, Exhibition**

12:55-14:40  **LS4 - Lunch Session - Sponsored by - Rafa Labs**  
Hall D  
Multidisciplinary Approach in Stroke Prevention in Atrial Fibrillation  
Chairs: Doron Zahger; Nathan Bornstein; Aharon Lubetsky, Israel

The Use of NOACs in an ACS Patient  
Doron Zahger  
*Soroka Medical Center, Beer Sheva, Israel*

**STROKE in AF - The “Event” We Better Skip**  
Nathan Bornstein  
*Tel-Aviv Medical Center, Tel Aviv, Israel*

The Use of Noacs in a Patient with an Elevated Risk of Bleeding: What are the Solutions?  
Aharon Lubetsky  
*Sheba Medical Center, Tel Hashomer, Israel*

12:55-14:40  **LS5 - Lunch Session - Sponsored by - Lilly**  
Hall E  
How to Optimally Tailor Antiplatelet Therapy in Patients with NSTEMI  
Chairs: Dominick J. Angiolillo, USA; Shlomi Matetzky; Ariel Rougin, Israel

**How to Optimally Tailor Antiplatelet Therapy in Patients with NSTEMI: What have we learned?**  
Dominick J. Angiolillo  
*University of Florida College of Medicine, Jacksonville, FL, USA*

Case Presentation  
Panel Discussion

12:55-14:40  **LS6 - Lunch Session - Sponsored by - Itamar Medical**  
Hall F  
Endothelial Function Assessment - Ready for Clinical Use  
Chairs: Peter Ganz, USA; Ran Kornowski, Israel

**In the Management of CV Risk**  
Michael Shechter  
*Chaim Sheba Medical Center, Tel Hashomer, Israel*

**As an Additional Marker to Target in Secondary Prevention**  
Amir Lerman  
*Mayo Clinic, Rochester, MN, USA*
Thursday, May 01, 2014

Sleep Apnea Endothelial Dysfunction Association - Targeting the Two Makes it Even Better
Giora Pillar
Carmel Medical Center, Haifa, Israel

14:00-15:50 **S25 - Special Session - Pediatric Cardiology**

**Hall H**

Chairs: Azaria Rein; Joseph Danielli, Israel

14:00 **Anatomic Pathology of ASD**
Lucile Houyel
Marie-Lannelongue Hospital, Paris, France

14:30 **Next Generation of Pediatric Cardia Hypertension**
Russel Hirsh
Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

14:50 **Innovation in Pediatric Pulmonary Hypertension**
Serraf Alian
Safra' Children's Hospital, Sheba Medical Center, Ramat Gan, Israel

15:10 **Experience in Pediatric Interventional Cardiology**
Russel Hirsh
Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

15:30 **Cardia Septal Occluder Exprience**
Goy Jean-Jacques
Lausanne University Hospital, Lausanne, Switzerland

14:45-15:45 **Parallel Sessions S26-S34**

14:45-15:45 **S26 - Intensive Cardiac Care: Antiplatelet Therapy: Clinical and Laboratory Aspects**

**Hall A**

Chairs: Doron Zahger; David Hasdai, Israel

14:45 **Long Term Follow up of Reticulated Platelets Levels Following ST-Elevation Myocardial Infarction**
Leor Perl¹, Hila Lerman-Shivek², Noa Zemer-Wassercug¹,
Eldad Rechavia¹, Abid Assali¹, Dorit Leshem Lev³, Ran Kornowski¹, Eli Lev¹
¹Rabin Medical Center, Petach Tikva; ²The Hebrew University of Jerusalem;
³The Felsenstein Medical Research Center, Petach Tikva, Israel

14:57 **High Incidence of Clopidogrel Failure is Associated with High Incidence of Clopidogrel Resistance**
Ehud Regev, Elad Asher, Paul Fefer, Edward Koifman, Avi Sabin,
Shlomi Matetzky
Sheba Medical Center, Tel-Hashomer, Israel
15:09  Pharmacodynamic Effect of Modifying Anti-platelet Treatment to Ticagrelor in Patients with Diabetes and Low Response to Clopidogrel (MATTIS-D)
Katia Orvin¹, Anees Musallam², Leor Perl¹, Morris Mosseri³, Yoel Arbel¹,
Shlomi Matetzky⁴, Ariel Roguin², Eli Lev¹
¹Rabin Medical Center, Petach Tikva; ²Rambam Medical Center, Haifa;
³Meir Medical Center, Kfar Saba; ⁴Sheba Medical Center, Tel Hashomer, Israel

15:21  Smoking and Platelets Response to Thienopyridines
Romana Herscovici, Paul Feffer, Edward Koifman, Iftah Akai, Avi Sabag,
Yitschak Biton, Elad Asher, Shlomi Matetzky
Chaim Sheba Medical Center, Tel-Hashomer, Ramat-Gan, Israel

15:33  Long-Term Comparison of Variability in Response to Prasugrel versus Ticagrelor in Patients with Myocardial Infarction
Leor Perl¹, Noa Zemer-Wassercug¹, Eldad Rechavia¹,
Muthiah Vaduganathan², Katia Orvin¹, Hila Lerman-Shivek³,
Ran Kornowski¹, Eli I Lev¹
¹Rabin Medical Center, Petach Tikva, Israel; ²Massachusetts General Hospital,
Harvard Medical School, Boston, Massachusetts, USA; ³The Hebrew University of Jerusalem, Jerusalem, Israel

14:45-15:45  S27 - Rehabilitation, Epidemiology, Prevention and Pharmacotherapy
Hall B
Chairs: Ilan Goldenberg; Rachel Marom-Klibansky, Israel

14:45  Long Term Prognosis of Adults with Intraventricular Conduction Defects without Ischemic Heart Disease: 30-year Follow-up of 2,465 Israeli Men and Women
Shmuel Tiosano¹, Hanoch Hod¹², Bernice Oberman², Angela Chetrit²,
Rachel Dankner¹²
¹Tel-Aviv University, Tel-Aviv; ²Chaim Sheba Medical Center, Ramat-Gan, Israel

14:55  Serum Potassium Levels and Long-term Post-discharge Mortality in Acute Myocardial Infarction
Ygal Plakht²³, Arthur Shiyovich¹, Harel Gilutz²³
¹Beilinson Hospital, Rabin Medical Center, Petach Tikva; ²Soroka University Medical Center, Beer-Sheva; ³Ben-Gurion University of the Negev, Beer-Sheva, Israel

15:05  Conotruncal Heart Defects in the Jewish and Arab-Bedouin Population of the Negev Area of Israel
Moshe Stavsky¹², Renana Ben Yona¹, Maayan Yitshak Sade¹²,
Hanah Krimko¹², Eli Zalstein¹², Viktoria Ioffe¹², Victor Novack¹²,
Aviva Levitas¹²
¹Ben-Gurion University of the Negev; ²Soroka University Medical Center,
Be’er Sheva, Israel
Thursday, May 01, 2014

15:15  Family Stress Effect On 16-Th Year’s Risk of Cardiovascular Diseases in Female Population 25-64 Years in Russia (Based on WHO Epidemiological Program “MONICA-Psychosocial”)
Valery Gafarov1, Dmitriy Panov2, Elena Gromova2, Igor Gagulin1, Almira Gafarova, Almira Gafarova1
1SB RAMS, Novosibirsk; 2FSBI Research Institute of Internal Medicine SB RAMS, Novosibirsk, Russia

15:25  Time-Dependent Relation between Smoking Cessation and Improved Exercise Tolerance in Apparently Healthy Middle-Age Men and Women
Anat Berkovitch1, Shaye Kivity1,3, Robert Klempfner1,3, Shlomo Segev1, Assi Milwidsky1,3, Ilan Goldenberg1,3, Yechezkel Sidi1,3, Elad Maor1
1Chaim Sheba Medical Center, Tel Hashomer; 2Tel-Aviv Medical Center; 3Tel-Aviv University, Tel-Aviv, Israel

15:35  The Impact of Carotid Artery Atherosclerosis on Cardiovascular Outcomes is Dependent on Pre-existent Coronary Artery Disease Status
Arie Steinvil, Ben Sadeh, Maayan Konigstein, Ofer Havakok, Sharon Greenberg, Natan Borenstein, Yaron Arbel, Shmuel Banai, Amir Halkin
Tel-Aviv Medical Center, Tel-Aviv, Israel

14:45-16:00  S28 - Interventional Cardiology
Hall C
Chairs: Ilia Reuven, Uri Rosenschein, Israel

14:45  Patient and Operator Radiation Dose Using a Pelvic Lead Shield during Trans Radial Angiography
Anees Musallam1, Ina Volis2, Sveta Dedaiiev1, Eitan Abergel1, Amit Soni1, Arthur Kerner1, Rafael Beyar1, Ariel Roguin1
1Rambam Medical Center; 2Faculty of Medicine, Haifa, Israel

14:57  Efficacy and Safety of Carotid Artery Stenting via Right Radial Approach
Yoav Turgeman, Doron Sudarski, Alexander Feldman, Khaled Sulieman
HaEmek Medical Center, Afula, Israel

15:09  Long Term Clinical Experiences using the MGuard Stent
Hana Vaknin-Assa, Abid Assali, Eli I Lev, Igal Teplizky, Gabi Grinberg, Eldad Rechavai, Ofer Sela, David Brosh, Ran Kornowski
Rabin Medical Center, Petach Tikva, Israel
Forced Diuresis with Matched Hydration Using the RenalGuard® System for the Prevention of Contrast Induced Acute Kidney Injury - A Single Center Experience
Eyal Ben-Assa, Yaron Arbel, Meital Rofe, Yacov Shacham, Maayan Königstein, Ofer Havakuk, Eran Leshem-Rubinow, Amir Halkin, Gad Keren, Ariel Finkelstein, Shmuel Banai
Tel Aviv Medical Center, affiliated to the Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel

Renal Denervation Using the Novel Therapeutic Intra-Vascular Ultrasound (TIVUS™) Catheter System - Preliminary Report of First-In-Man Safety and Performance Study
Michael Jonas¹, Jacob George¹, Gera Gendelman¹, Oded Ayzenberg¹, Jayson Rapoport¹, Erwin Blessing³, Uri Roenschein⁴, Dierk Scheinert⁶, Nicolas Diehm⁶, Sharad Shetty⁷
¹Kaplan Medical Center, Rehovot, Israel; ³University Hospital of Heidelberg, Heidelberg, Germany; ⁴Bnai Zion Medical Center, Haifa, Israel; ⁵Park Krankenhaus, Leipzig, Germany; ⁶Inselspital Bern, Bern, Swaziland; ⁷Royal Perth Hospital, Perth, Australia

Influence of Renal Denervation (RDN) on Left Ventricular Hypertrophy in Patients with Resistant Hypertension
Alla Lubovich, Amin Hassan, Uri Rosenschein
Bnai Zion Medical Center, Haifa, Israel

Biocompatible Perfusion Strategy is Safe and Associated with Excellent Clinical Outcomes and Reduces Blood Transfusions in a Contemporary Series of Patients Undergoing Coronary Artery Bypass Grafting - A two-Center Study
Amit Korach¹, Oz Shapira¹, Frederic Pinaud², Abeer Dabah¹, Yusheng Bao¹, Jean Jacques Corbeau², Jean-Louis de Brux, Christophe Baufreton²
¹Hadassah Hebrew University Medical Center, Jerusalem, Israel; ²University Hospital of Angers, Angers, France

Coxiella Burnetii Endocarditis and Vascular Infection. An Under-recognized Entity
Ido Firstenfeld, Yasmin Maor, Leonid Sternik, Boris Orlov, Galia Rahav, Shany Levin, Ehud Raanani, Alexander Kogan
Chaim Sheba Medical Center, Ramat Gan, Israel
**Permanent Pacemaker Implantation following Isolated Aortic Valve Replacement: A Single Centre Experience**
Amjad Shalabi¹, Leonid Sternik¹, Roy Beinart², Michael Glikson², Shany Levin¹, Ehud Raanani¹, Alexander Kogan¹
¹Department of Cardiac Surgery, Sheba Medical Center, Ramat Gan, Israel; ²Davidai Arrhythmia Center, Sheba Medical Center, Ramat Gan, Israel

**The Relationship between Postoperative Plasma Cholesterol Levels and Infection-rate in Patients Undergoing Coronary Artery Bypass Grafting**
Dan Abrahamov, Yaron Shlomo Ishai, Raichel Lior, Lev Ran Oren, Matza Menahem, Ruderman Leonid, Gideon Sahar
Soroka, Beer Sheva, Israel

**Neurological Outcome following Non-emergent Coronary Artery Bypass Grafting Using Single Cross-clamp**
Shlomo Yaron Ishay, Menachem Matsa, Oren Lev-Ran, Dan Avramov, Lior Raichel, Leonid Roderman, Gideon Sahar
Soroka University Medical Center, Beer-Sheva, Israel

**Vascular and Non-Vascular Complications following Femoral Cardiopulmonary Bypass Cannulation**
Menachem Matsa, Oren Lev-Ran, Shlomo Yaron Ishay, Lior Raichel, Dan Avramov, Leonid Roderman, Gideon Sahar
Soroka University Medical Center, Beer-Sheva, Israel

**Utility of Routine Right Heart Catheterization after LVAD Implantation**
Inova Heart and Vascular, Fairfax, VA, USA

**First Experience in Ambulatory Ultrafiltration Therapy for Congested Heart Failure Patients in Israel**
Evgeny Radzishevsky², Nabeeh Salmon¹, Hagar Paz¹, Dina Merhavi¹, Nisan Yaniv¹, Roni Ammar¹, Uri Rosenschein², Offer Amir¹
¹Heart Failure Unit, Lin Medical Center; ²Bnei-Zion Medical Center, Haifa, Israel

**Comparison of Post Implant Hemodynamics with 2nd versus 3rd Generation Continuous Flow Left Ventricular Assist Device**
Inova Heart and Vascular, Fairfax, VA, USA
**Thursday, May 01, 2014**

15:21 **First Israeli Continuous Flow Bi-ventricular Assist Device Implantation as a Total Artificial Heart**  
Eyal - Ran Nachum¹, Yigal Kassif¹,², Sergey Preisman¹, Alex Kogan¹,²,  
Dov Freimark², Jacob Lavee¹,²  
¹Sheba Medical Center, Ramat Gan; ²Tel Aviv University, Tel Aviv, Israel

15:33 **Optimization of Cardiac Resynchronization Therapy with the Usage of NICaS System Compared to Echocardiography**  
Ofer Havakuk, Yan Topilsky, Ehud Chorin, Maayan Konigstein,  
Eyal Ben Assa, Yaron Arbel, Gad Keren, Reffael Rosso  
Tel Aviv Medical Center, affiliated to the Sackler School of Medicine,  
Tel Aviv University, Tel Aviv, Israel

14:45-15:45 **S31 - Joint Session - Society of Cardiovascular Computed Tomography (SCCT) and Israel Heart Society**  
Chairs: Arik Wolak; Ronen Rubinshtein, Israel

14:45 **New and Established Techniques to Reduce Radiation Exposure in Cardiac CT**  
Guy Weigold  
Washington Hospital Center, Washington DC, USA

15:05 **Asymptomatic Diabetics: CTA Findings and 5 Year Outcomes in a Prospective Population Based Cohort of Over 600 Patients**  
David A. Halon  
Lady Davis Carmel Medical Center, Haifa, Israel

15:20 **Left Atrial Appendage Occluder Device Sizing - Cardiac Computed Tomography versus Trans-Esophageal Echocardiography**  
Orly Goitein, Guy Rozen, Avishay Grupper, Elio Di Segni,  
Ashraf Hamdan, Eli Konen, Victor Guetta, Ilan Hay, David Luria,  
Michael Glikson  
Chaim Sheba Medical Center, Ramat Gan, Israel

15:33 **3D Myocardial Strain Analysis from Cardiac CT Image Data**  
Yechiel Lamash¹, Anath Fischer¹, Shemy Carasso², Jonathan Lessick²  
¹Technion - Israel Institute of Technology; ²Rambam Health-Care Campus, Haifa, Israel

14:45-15:45 **S32 - Echocardiography and Valvular Diseases**  
Chairs: Rafael Kuperstein; Noah Liel, Israel

14:45 **Left Ventricular Mass Regression Post Transcatheter Aortic Valve Implantation**  
Adaya Weissler Snir, Yaron Shapiro, Shirit Kazum, Tamir Bental,  
Marina Kupershmidt, Abid Assali, Hana Vaknin-Assa, Alexander Sagie, Ran Kornowski, Pablo Codner, Mordechai Vaturi  
Rabin Medical Center, Petach-Tikva, Israel
### Thursday, May 01, 2014

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>14:55</td>
<td><strong>Clinical Factors May Predict Outcome after Aortic Valve Replacement</strong></td>
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<td>Valery Meledin, Yacov Fabrikant, Adi Gui, Jacob George, Sara Shimoni</td>
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<td>15:05</td>
<td><strong>Aortic Valve Calcification’s Initiation and Growth Process Using a New</strong></td>
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<td>Reverse Calcification Technique</td>
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<td>Rotem Halevi¹, Ashraf Hamdan², Gil Marom¹, Mor Peleg¹, Ehud Raanani²</td>
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<td>Rami Haj-Ali¹</td>
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<td>¹Tel Aviv University, Tel Aviv; ²Chaim Sheba Medical Center, Tel Hashomer, Israel</td>
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<td>15:15</td>
<td><strong>Significant Diastolic Dysfunction Is Associated with Elevated Levels of</strong></td>
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<td>Anti-Oxidized LDL Antibodies</td>
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<td>Nicholay Teodorovich, Yakov Fabrikant, Valery Meledin, Yonatan Kogan,</td>
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<td>15:25</td>
<td><strong>Pulmonary Artery Systolic Pressure and Mortality in the Oldest Old</strong></td>
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<td>David Leibowitz, Jochanan Stessman, Jeremy Jacobs, Ronny Alcalai, Irit</td>
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<td>Hadassah-Hebrew University Medical Center, Jerusalem, Israel</td>
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<td>15:35</td>
<td><strong>Echocardiographic Differences between Men and Women with Severe</strong></td>
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<td>Aortic Stenosis</td>
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<td>Yael Furman, Idit Yedidya, Alexander Sagie</td>
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<td>Rabin Medical Center, Petach Tikva, Israel</td>
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<td>15:45</td>
<td>Break, Exhibition &amp; E-Posters Visit, Exhibition</td>
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<td>16:00</td>
<td><strong>Parallel Sessions S33-S39</strong></td>
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<td>16:00</td>
<td><strong>S33 - Intensive Cardiac Care</strong></td>
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<td>Chairs: Simcha Meisel; Zaza Iakobishvili, Israel</td>
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<td>16:00</td>
<td><strong>Dynamic Myocardial Depression in Septic Cardiomyopathy</strong></td>
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<td>Abed El Wahab Darawshe, David Livingston, Yael Haviv</td>
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<td>16:15</td>
<td><strong>Elevated Anti Oxidized LDL Antibodies Are Associated with Elevated</strong></td>
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<td>Troponin Levels in Patients Undergoing Coronary Angiography</td>
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<td>16:30</td>
<td><strong>Role of C Reactive Protein in Evaluating the Extent of Myocardial</strong></td>
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<td>Inflammation in Acute Myocarditis</td>
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<td>Avi Sabbag, Rafi Kuperstein, Orly Goitein, Guy Rozen, Elad Asher, Edward</td>
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<td>Koifman, Itzik Biton, Romana Herschkowitz, Shlomi Matetzky</td>
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16:45  Frequency, Correlates and Outcomes of Renal Impairment According to Acute Kidney Injury Network Criteria among ST Elevation Myocardial Infarction Patients Undergoing Primary Percutaneous Intervention
Yacov Shacham, Eran Leshem-Rubinow, Arie Steinvil, Eyal Ben Assa, Gad Keren, Arie Roth, Yaron Arbel
Tel-Aviv Sourasky Medical Center, Tel Aviv, Israel

17:00  Adjustment of GRACE Score by Emergency Medical Service Usage in ACS Patients Enables Better Risk Stratification
Yitschak Bitton1,2, Anna Mazo1, Elad Asher1, Elad Maor1,2, Romana Herscovici1, Ilan Goldenberg1,2, Shlomi Matetzky1,2
1Sheba Medical Center, Ramat Gan; 2Tel Aviv University, Tel Aviv, Israel

17:15  Telemedicine to Expedite Medical Contact Following Symptom Onset
Eran Leshem-Rubinow1,2, Eyal Ben Assa1,2, Yakov Shacham1,2, Avivit Zatelman3, Ayelet Oren-Shamir3, Nomi Malov3, Michal Golovner3, Arie Roth1,2
1Tel Aviv Medical Center; 2Tel-Aviv University; 3’SHL’-Telemedicine, Tel Aviv, Israel

17:30  Gender Differences in Left Ventricular Function following First ST-Segment Elevation Myocardial Infarction Treated with Primary Coronary Intervention
Yacov Shacham, Yan Topilsky, Eran Leshem-Rubinow, Michal Laufer Perl, Gad Keren, Arie Roth, Arie Steinvil, Yaron Arbel
Tel-Aviv Sourasky Medical Center, Tel Aviv, Israel

16:00-17:30  S34 - Rehabilitation, Epidemiology, Prevention and Pharmacotherapy
Hall B
Chairs: Yaron Arbel; Ophir Avizohar, Israel

16:00  Time-Dependent Relation between Smoking Cessation and Improved Exercise Tolerance in Apparently Healthy Middle-Age Men and Women
Berkovitch Anat1, Shaye Kivity1,3, Robert Klempfner1,3, Shlomo Segev1, Assi Milwidsky1,2, Ilan Goldenberg1,3, Yechezkel Sidi1,3, Elad Maor1
1Chaim Sheba Medical Center, Tel Hashomer, Ramat Gan; 2Tel-Aviv Medical Center; 3Tel Aviv University, Tel Aviv, Israel

16:15  White Coat Hypertension in Cardiac Rehabilitation Settings
Ehud Goldhammer1,2, Alon Tanchilevitch1, Yelena Rivlin1, Uri Rosenschein1,2
1Bnei Zion Medical Center; 2Technion - Israel Institute of Technology, Haifa, Israel
Thursday, May 01, 2014

16:30  **Cardiovascular Health: Comparisons between Adult Arabs and Jews in Israel**
Ofra Kalter Leibovici\(^1,2\), Angela Chetrit\(^1\), Havi Murad\(^1\), Kathleen Abu-Saad\(^1\), Ahmed Atamna\(^3\), Gershon Alpert\(^3\), Michal Gillon-Keren\(^4\), Ori Rogowski\(^2,5\), Uri Goldbourt\(^6\)
\(^1\)Gertner Institute for Epidemiology & Health Policy Research, Ramat-Gan; \(^2\)Tel-Aviv University, Tel-Aviv; \(^3\)Clalit Health Services, Hadera; \(^4\)Schneider Children’s Medical Center, Petach-Tikvah; \(^5\)Tel-Aviv Sourasky Medical Center, Tel-Aviv, Israel

16:45  **Cardiovascular Fitness a Marker or Independent Predictor of Cardiovascular Risk among Middle Age Asymptomatic Men and Women?**
Aharon Erez, Shaye Kivity, Anat Berkovitch, Robert Klempfner, Shlomo Segev, Ilan Goldberg, Yechezkel Sidi, Elad Maor
Chaim Sheba Medical Center, Tel Hashomer, Ramat Gan, Israel

17:00  **Combined High Sensitivity C-Reactive Protein and Maximal Exercise Tolerance as Predictors of 10-year Mortality among Stable Patients Referred for Diagnostic Treadmill Stress Testing (2000-2001)**
Jeryes Shehadeh\(^1,2\), Orna Reges\(^3\), Moshe Heshen\(^3\), Nisan Yaniv\(^1,2\), David A. Halon\(^2\), Morton Leivovitch\(^1\)
\(^1\)Zevoulon Medical Center, Kiriat Bialik; \(^2\)Lady Davis Carmel Medical Center, Haifa; \(^3\)Clalit Research Center, Tel Aviv, Israel

17:15  **The Effect of Two Exercise Training Protocols on Physiological and Biochemical Parameters in Congestive Heart Failure**
Yair Blumberg,\(^1,2\) Offir Ertracht\(^1\), Shaul Atar\(^1,2\)
\(^1\)Faculty of Medicine, Bar-Ilan University, Safed; \(^2\)Western Galilee Medical Center, Nahariya, Israel

16:00-17:30  **S35 - Interventional Cardiology: TAVI & Structural**
Hall C
Chairs: Yoav Turgeman; Jacob George, Israel

16:00  **Long-term Outcomes following Left Atrial Appendage Occlusion in High-risk Patients with Atrial Fibrillation**
David Meerkin, Adi Butnaru, Dimitri Dratva, Pnina Shwartz, Rachel M. Pachino, Yaron Almagor, Dan Tzivoni
Shaare Zedek Medical Center, Jerusalem, Israel

16:15  **Percutaneous Closure of Paravalvular Leaks: Feasibility, Safety, and Mid-term Results**
Alexander Dadashev, Yaron Shapira, Alexander Sagie, Rafael Hirsch
Rabin Medical Cnetre, Petach Tikva, Israel
**Thursday, May 01, 2014**

16:30  **Trans Catheter Closure of Patent Ductus Arteriosus by NitOcclud Coil - Trans aortic & Trans Pulmonary Approach**  
*Moshe Dotan, Abraham Lorber*  
*Rambam Medical Center, Haifa, Israel*

16:45  **Treatment of Bio-Prosthetic Mitral and Aortic Valve Deterioration Using Transcatheter Techniques**  
*Pablo Codner, Abid Assali, Hana Vaknin-Assa, Katia Orvin, Gabriel Greenberg, Marina Kupershmidt, Moti Vaturi, Leor Perl, Nurit Shor, Yaron Shapira, Alexander Sagie, Ran Kornowski*  
*Rabin Medical Center & Sackler Faculty of Medicine, Tel Aviv University, Petach Tikva, Israel*

17:00  **Prevalence and Predictors of Carotid Artery Stenosis in Patients Referred to Aortic Valve Implantation**  
*Arie Steinvil, Yigal Abramowitz, Eran Leshem-Rubinow, Koby Shacham, Amir Halkin, Yaron Arbel, Shmuel Banai, Ariel Finkelstein*  
*Tel-Aviv Medical Center, Tel-Aviv, Israel*

17:15  **Chronic Kidney Disease and Acute Kidney Injury in Severe Aortic Stenosis Patients Undergoing Transcatheter Aortic Valve Implantation**  
*Avi Sabbag, Edward Koifman, Amit Segev, Paul Fefer, Diego Medvedovsky, Ashraf Hamdan, Ilan Hay, Ehud Ra’anani, Israel Barabash, Danny Spiegelstein, Ilan Goldenberg, Victor Guetta*  
*Chaim Sheba Medical Center, Tel Hashomer, Israel*

16:00-17:30  **S36 - Pacing and Electrophysiology: Clinical**  
*Hall D  
Chairs: Michael Glikson; Boulous Monther, Israel*

16:00  **Syncope and Arrhythmias during Pregnancy - 10 Years Experience**  
*Jeryes Shehadeh¹,², Eli Gutterman¹,²*  
¹Zevoulon Medical Center, Kiriat Bialik; ²Carmel Medical Center, Haifa, Israel

16:15  **Drug Induced Brugada Syndrome: Clinical Characteristics and Risk Factors**  
*Maayan Konigstein¹, Guy Topaz¹, Pieter Postema², Amir Halkin¹, Sami Viskin¹*  
¹The Tel Aviv Medical Center, Tel Aviv, Israel; ²Academic Medical Center, Amsterdam, Netherlands

16:30  **Time Dependent Changes in Body Mass Index and the Risk of First Atrial Fibrillation Event**  
*Elad Maor¹, Anat Berkovitch¹, Shlomo Segev¹, Yechezkel Sidi¹,², Ilan Goldenberg¹,², Shaye Kivity¹,²*  
¹Sheba Medical Center, Ramat-Gan; ²Tel-Aviv University, Tel-Aviv, Israel
Thursday, May 01, 2014

16:45  **Steroid Therapy and Conduction Disturbances after Transcatheter Aortic Valve Implantation**
       Ofer Havakuk, Maayan Konigstein, Eyal Ben Assa, Arie Steinvil, Amir Halkin, Yaron Arbel, Yigal Abramowitz, Gad Keren, Ariel Finkelstein, Shmuel Banai
       Tel Aviv Medical Center, affiliated to the Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel

17:00  **Premature Ventricular Contraction and Risk of Sustained Ventricular Arrhythmias and ICD Therapies in Patients on Home Monitoring**
       Gustavo Goldenberg, Roman Nevzorov, Ehud Kadmon, Alon Barsheshet, Jairo Kusniec, Ronit Zabarsky, Boris Strasberg, Gregory Golovchiner, Ran Kornowski
       Rabin Medical Center, Petah Tikva, Israel

17:15  **Permanent Pacing in Nonagenarians over 20 Years Period**
       Dante Antonelli
       Ha Hemek Medical Center, Afula, Israel

16:00-17:30  **S37 - Myocardial Diseases**  
             Chairs: Michael Arad; Yehuda Adler, Israel
             **Hall E**

16:00  **Electrocardiographic Predictors of Mortality in Patients with Acute Myocarditis: The Importance of QRS Interval and T Wave Changes**
       Shmuel Chen, Sara Hoss, Vicki Zeniou, Ayelet Shauer, Dan Admon, Donna Zwas, Chaim Lotan, Andre Keren, Israel Gotsman
       Hadassah Ein Kerem, Jerusalem, Israel

16:15  **Cardiac Rehabilitation in Patients with Acute Myocarditis: Insights from MRI Quantitative Analysis of Myocardial Scar**
       Edward Koifman, Robert Klempfner, Orly Goitein, Eli Konen, Ilan Goldenberg, Ashraf Hamdan
       Chaim Sheba Medical Center, Tel Hashomer, Israel

16:30  **Etiology and Characteristics of Large Symptomatic Pericardial Effusion in a Community Hospital in the Contemporary Era**
       Shaul Atar, Ruhi Abdallah
       Western Galilee Medical Center, Nahariya, Israel

16:45  **Prevalence of Takostubo Cardiomyopathy in Women with Anterior ST Elevation MI (A-STEMI)**
       Sameer Mtour, Adi Butnaru, Rami Jubeh, Louay Taha, Jonathen Balkin, Dani Tzivoni
       Shaare Zedek, Jerusalem, Israel
Clinical Characteristics and Outcomes of Patients with Takotsubo Cardiomyopathy
Adaya Weissler Snir, Tamir Bental, Zaza Iakobishvili, Avital Porter, David Hasdai, Abid Assali, Hana Vaknin-Assa, Eli I Lev, Eldad Rechavia, Mordechai Vaturi, Alexander Sagie, Ran Kornowski
Rabin Medical Center, Petach-Tikva, Israel

Relaxation Properties of the Hyper-contractile Heart: A ‘Super-Normal’ Heart is not a Normally Functioning Heart
Israel Gotsman, Dan Gilon, Ayelet Shauer, Andre Keren, Chaim Lotan
Hadassah University Hospital, Jerusalem, Israel

Prevalence of LA Appendage Thrombus (LAA-T) in Patients with Atrial Fibrillation (AF) and CHADS2 Score 0-I
Rami Jubeh, David Rosenmann, Sameer Mtour, Louay Taha, Achia Nemet, Dan Tzivoni, Aharon Medina
Shaare Zedek Medical Center, Jerusalem, Israel

Is Non-valvular Atrial Fibrillation associated with Elevated Pulmonary Artery Pressure?
Diab Muttalik, Jonathan Lessick, Izhak Kehat, Doron Aronson, Shimon Reisner, Yoram Agmon
Rambam Medical Center, Haifa, Israel

Is Peak Systolic Longitudinal Strain a Robust Measure of Left Ventricular Segmental Dysfunction? A Prospective 2-Dimensional Strain Echocardiographic Study in Patients with ST-Elevation Myocardial Infarction
Amnon Eitan1, Yoram Agmon1,2
1Rambam Medical Center; 2Technion - Israel Institute of Technology, Haifa, Israel

Strain Rate Predicts the Extent of Transmurality of Myocardial Infarction
Noa Bachner-Hinenzon1, Assaf Malka2, Offir Ertracht3, Dan Adam2, Ofer Binah2, Zvi Friedman4, Zvi Vered5,6
1Analyze IT Research Institute, Tuval; 2Technion-Israel Institute of Technology, Haifa; 3Western Galilee Hospital, Nahariya; 4GE Healthcare, Tirat Hacarmel; 5Assaf Harofeh Medical Center, Zerifin; 6Tel Aviv University, Tel-Aviv, Israel
**Thursday, May 01, 2014**

17:00  **Longitudinal Right and Left Ventricular Systolic Function at Rest and on Stress**  
Dawod Sharif¹, Amal Sharif-Rasslan², Camilia Shahla¹, Amin Khalil¹,  
Uri Rosenschein¹  
¹Bnai Zion Medical Center; ²Technion - Israel Institute of Technology, Haifa, Israel

17:15  **The Unique Clinical Features and Outcome of Infectious Endocarditis and Vertebral Osteomyelitis Co-infection**  
Mattew Koslow, Rafael Kuperstein, Iris Eshet, Marina Perlman,  
Elad Maor, Yeheskel Sidi  
Chaim Sheba Medical Center, Ramat Gan, Israel

16:00-17:30  **S39 - Basic Science**  
Chairs: Gad Keren; Ronen Durst, Israel

16:00  **Cardiac Progenitor Cells from the Left Atrial Appendage May Originate from a Resident Epicardial Non-Hematopoietic Myeloid Progenitor Precursor Population**  
Jussi Leinonen¹, Avishag Korkus-Emanuelov¹, Michal Migrom-Hoffman²,  
Sara Hoss¹, Chaim Lotan¹, Eldad Tzahor², Eldad Tzahor, Ronen Beer¹  
¹Hadassah-Hebrew University Medical Center, Jerusalem; ²Weizmann Insitute of Science, Rehovot, Israel

16:15  **Effect of Mineralo-Corticoid Receptor Blockers on Recruitment and Function of Endothelial Progenitor Cells in Patients with Congestive Heart Failure**  
Amos Levi¹, Dorit Leshem-Lev², Tal Hasin¹, Matz Israel¹,  
Daniel Murninkas¹, Oshrat Dadush², Victoria Yaari¹, Ran Kornowski¹ ²¹,  
Eli I Lev¹ ², Tuvia Ben Gal¹  
¹Beilinson Hospital, Rabin Medical Center; ²Felsenstein Medical Research Center, Petah-Tikva, Israel

16:30  **From Beat Rate Variability in Induced Pluripotent Stem Cell-derived Pacemaker Cells to Heart Rate Variability in Human Subjects**  
Meital Ben-Ari¹ ²³, Revital Schick¹ ²³, Lili Barad¹ ²³, Atara Novak¹ ²³,  
Erez Ben-Ari² ³, Avraham Lorber² ⁴, Joseph Itskovitz-Eldor¹ ²³,  
Michael R Rosen³, Amir Weissman² ⁴, Ofer Binah¹ ²³  
¹The Sohins Family Stem Cells Center; ²Ruth & Bruce Rappaport Faculty of Medicine; ³Technion- Israel Institute of Technology; ⁴Rambam Medical Center, Haifa, Israel; ⁵College of Physicians and Surgeons of Columbia University, New York, USA

16:45  **Aortocaval Fistula Model in Rat to Study Specific Mechanisms of Chronic Cardiac Volume Overload**  
Lena Cohen¹ ², Hudi Pauzner¹ ², Michal Entin-Meer¹, Ran Levy³,  
Michal Entin-Meer¹ ², Eina Hertzberg¹ ², Ran Levy¹ ², Gad Keren¹ ²  
¹Tel Aviv Sourasky Medical Center; ²Tel Aviv University, Tel Aviv, Israel
Thursday, May 01, 2014

17:00 Increased Levels of Pro Inflammatory Cytokines in Tachycardia Induced Cardiomyopathy
Ayman Jubran1,2, Jeremy Ben-Shoshan1,2, Ran Levy1,2, Michal Entin-Meer1,2, Gad Keren1,2
1Tel Aviv Medical Center; 2Tel Aviv University, Tel Aviv, Israel

17:15 Cardiac Economy and Cross-bridge Dynamics are Length Independent
Daria Amiad Pavlov1, Michal Horowitz2, Amir Landesberg1
1Technion - Israel Institute of Technology, Haifa; 2Hebrew University, Jerusalem, Israel

17:45 Annual General Assembly of the Israel Heart Society