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

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 Eisen<sup>1</sup>, Zaza Iakobishvili<sup>1</sup>, Ran Balicer<sup>2</sup>, Orna Reges<sup>2</sup>, Yardena Rabi<sup>2</sup>, Morton Leibowitz<sup>2</sup>, Moshe Hoshen<sup>2</sup>, David Hasdai<sup>1</sup>

<sup>1</sup>Rabin Medical Center, Petach Tikva; <sup>2</sup>Clalit 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 Lutski<sup>1</sup>, David Tanne<sup>1,2</sup>, Uri Goldbourt<sup>1</sup>

<sup>1</sup>Tel Aviv University, Tel Aviv; <sup>2</sup>Sheba Medical Center, Ramat Gan, Israel

09:00 **Does Lipoprotein associated Phospholipase A2 Improve Mortality Prediction among Coronary Heart Disease Patients in Israel?**

Batya Sapir<sup>2</sup>, Michal Benderly<sup>1,2</sup>, Reuven Zimlichman<sup>3</sup>

<sup>1</sup>Sheba Medical Center, Tel-Hashomer, Ramat Gan; <sup>2</sup>Tel Aviv University, Tel Aviv;

<sup>3</sup>Sackler 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 Brik<sup>1</sup>, Yaakov Drory<sup>1</sup>, Rachel Dankner<sup>1,2</sup>

<sup>1</sup>School of Public Health, Sackler Faculty of Medicine, Tel Aviv University,

Tel Aviv; <sup>2</sup>The 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 Trails**

Ronen Durst<sup>1</sup>, Qibin Qi<sup>2</sup>, Dan Schwarzfuchs<sup>3</sup>, Eran Leitersdorf<sup>1</sup>,

Shoshi Shpitzen<sup>1</sup>, Meir J. Stampfer<sup>2,2</sup>, Frank M. Sacks<sup>2</sup>, Iris Shai<sup>4</sup>, Lu Qi<sup>2</sup>

<sup>1</sup>Hadassah Hebrew University Medical Center, Jerusalem, Israel; <sup>2</sup>Harvard

School of Public Health, Boston, MA, USA; <sup>3</sup>The Nuclear Research Center, Dimona; <sup>4</sup>Ben Gurion University of the Negev, Beer Sheva, Israel

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- 08:30-10:00 **S19 - Interventional Cardiology: Coronary Interventions** *Hall C*  
Chairs: Giora Weisz; Moris Mosseri, Israel
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- 08:30 **Myocardial Revascularization in ISRAEL: Variations in the PCI-to-CABG Ratio versus other Developed Countries**  
Dan Spiegelstein, Ilan Goldenberg, Ehud Raanani  
*Chaim Sheba Medical Center, Ramat Gan, Israel*
- 08:43 **Native Coronary Artery Patency following Coronary Artery Bypass Surgery**  
David Pereg<sup>1</sup>, Paul Fefer<sup>2</sup>, Rafael Wolff<sup>1</sup>, Stephan Fremes<sup>1</sup>,  
Bradley Strauss<sup>1</sup>  
<sup>1</sup>*Sunnybrook Hospital, Toronto, Ontario, Canada;* <sup>2</sup>*Chaim Sheba Medical Center, Tel Hashomer, Israel*
- 08:56 **Residual SYNTAX Score and Long Term Clinical Outcomes in Patients with Severe Coronary Artery Disease Treated by Percutaneous Coronary Interventions**  
Guy Witberg, Ifat Lavi, Ran Kornowski  
*Rabin Medical Center, Petach Tikva, Israel*
- 09:09 **Impact of Coronary Chronic Total Occlusions on Long-Term Mortality in Patients Undergoing Coronary Artery Bypass Grafting**  
Paul Fefer, Sharon Gannot, Ksenya Kochkina, Elad Maor,  
Shlomi Matetzky, Ehud Raanani, Victor Guetta, Amit Segev  
*Chaim Sheba Medical Center, Ramat Gan, Israel*
- 09:22 **Predictors of Long Term Outcomes in a Large Cohort of 11441 Consecutive PCI Patients**  
Tamir Bental<sup>1,2</sup>, Abid Assali<sup>1,2</sup>, Eli I Lev<sup>1,2</sup>, Hana Vaknin-Assa<sup>1,2</sup>,  
Ran Kornowski<sup>1,2</sup>  
<sup>1</sup>*Rabin Medical Center, Petach Tikva;* <sup>2</sup>*Tel-Aviv University, Tel Aviv, Israel*
- 09:35 **Predictors of Successful Chronic Total Occlusion (CTO) Revascularization - Is There Still a Role for The Old Predictors?**  
Gabriel Greenberg, Ran Kornowski, Eli I Lev, Hanna Vaknin-Assa,  
Abid Assali  
*Rabin Medical Center, Petach-Tikva, Israel*
- 09:48 **Complete Revascularization in Patients with Cardiogenic Shock - Is It the Best Treatment Option?**  
Gabriel Greenberg, Ran Kornowski, Eli I Lev, Hanna Vaknin Assa,  
David Brosh, Abid Assali  
*Rabin Medical Center, Petach-Tikva, Israel*

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- 08:30-10:00 **S20 - Cardiovascular Surgery** *Hall D*  
Chairs: Ehud Raanani; Gil Bolotin, Israel
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- 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 Gofman<sup>2</sup>, Diab Mutlak<sup>1,2</sup>, Jonathan Lessick<sup>1,2</sup>, Arthur Kerner<sup>1,2</sup>, Shimon Reisner<sup>1,2</sup>, Yoram Agmon<sup>1,2</sup>  
<sup>1</sup>*Rambam Medical Center*; <sup>2</sup>*Technion - 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*

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08:30-10:00	<b>S21 - Joint Session</b> <b>AFICARDIO-Israel Heart Society: Challenges in Sport Medicine in Cardiology</b> Chairs: Michael Glikson, Israel; Carré François; Albert Hagege, France	<i>Hall E</i>
08:30	<b>Role of Advanced Cardiovascular Imaging in Athletes Assessment</b> François Carré <i>Universitary Hospital, Rennes, France</i>	
08:50	<b>Controversies in Cardiovascular Screening of Athletes</b> Sami Viskin <i>The Tel Aviv Medical Center, Tel Aviv, Israel</i>	
09:10	<b>How to Optimally Interpret a Cardio-pulmonary Exercise Test Report?</b> Alain Cohen-Solal <i>Hopital Lariboisiere, Paris, France</i>	
09:30	<b>Risk of Exercise in Specific Cardiomyopathies</b> Michael Arad <i>Chaim Sheba Medical Center, Ramat Gan, Israel</i>	
09:50	<b>Discussion</b>	
08:30-10:00	<b>S22-Pacing and Electrophysiology: Basic Science</b> Chairs: David Luria; Bernard Belhassen, Israel	<b>Hall F</b>
08:30	<b>Adrenergically-induced Arrhythmias in Induced Pluripotent Stem Cell-derived Cardiomyocytes Generated from CPVT Patients Carrying Mutations in the Ryanodine or Calsequestrin Genes</b> Atara Novak <sup>1,2</sup> , Barad Lili <sup>1,2</sup> , Avraham Lorber <sup>3</sup> , Liron Eldor <sup>3</sup> , Joseph Itskovitz-Eldor <sup>1,2,3</sup> , Michael Eldar <sup>3</sup> , Michael Arad <sup>7</sup> , Ofer Binah <sup>1,2</sup> <sup>1</sup> The Sohnis Family Stem Cells Center; <sup>2</sup> Technion - Israel Institute of Technology; <sup>3</sup> Rambam Health Care Campus, Haifa; <sup>7</sup> Chaim Sheba Medical Center, Tel Hashomer and Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel	
08:45	<b>Cumulative Effects of Three Novel NaV1.5 Channel Variants Underlie Severe Sinus and Atrio - ventricular Nodal Conduction Disease</b> Eyal Nof <sup>1</sup> , Ronit Cherki <sup>1</sup> , Elena Burashnikov <sup>2</sup> , Charles Antzelevitch <sup>2</sup> , Nathan Dascal <sup>3</sup> , Roy Beinart <sup>1</sup> , Michael Eldar <sup>1</sup> , Michael Glikson <sup>1</sup> , David Luria <sup>1</sup> <sup>1</sup> Chaim Sheba Medical Center, Tel Hashomer; <sup>2</sup> Masonic Medical Research Laboratory, Utica, USA; <sup>3</sup> Sackler School Of Medicine, Tel Aviv, Israel	
09:00	<b>The Effect of Dabigatran and Rivaroxaban on Platelet Reactivity in Patients with Atrial Fibrillation</b> Noa Zemer Wassercug <sup>1</sup> , Moti Haim <sup>2</sup> , Dorit Leshem-Lev <sup>1</sup> , Katia Orvin <sup>1</sup> , Ariel Gutstein <sup>1</sup> , Ehud Kadmon <sup>1</sup> , Ran Kornowski <sup>1</sup> , Eli I. Lev <sup>1</sup> <sup>1</sup> Rabin Medical Center, Petach Tikva; <sup>2</sup> Meir Medical Center, Kefar Saba, Israel	

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- 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 Levi<sup>2,3</sup>, Jiyang Yang<sup>3</sup>, Tobias Moeller-Bertram<sup>4</sup>, Michael Glikson<sup>1</sup>, James C Perry, Michael Saunders<sup>3</sup>, James C Perry<sup>4</sup>  
<sup>1</sup>*Chaim Sheba Medical Center, Ramat Gan*; <sup>2</sup>*Ben Gurion University of the Negev, Beer Sheva, Israel*; <sup>3</sup>*Stanford University, Palo Alto, USA*; <sup>4</sup>*University of California San Diego, San Diego, USA*
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- 08:30-10:00 **S23-Basic Science** **Hall G**  
Chairs: Ronen Beeri; Eli Lev, Israel
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- 08:30 **High-fat Diet Ameliorates Left Ventricular Remodeling and Dysfunction in a Mouse Model of Dilated Cardiomyopathy**  
Uri Amit<sup>1,2</sup>, David Kain<sup>1,2</sup>, Natalie Landa<sup>1,2</sup>, Natali Molotski<sup>1,2</sup>, Ariel Munitz<sup>1</sup>, Micha Feinberg<sup>1,2</sup>, Yariv Kanfi<sup>4</sup>, Haim Cohen<sup>3</sup>, Jonathan Leor<sup>1,2</sup>  
<sup>1</sup>*Tel-Aviv University, Tel-Aviv*; <sup>2</sup>*Tel-Hashomer Medical Center*;  
<sup>3</sup>*Bar-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 Levy<sup>1</sup>, Michal Entin-Meer<sup>1</sup>, Pavel Goryainov<sup>1</sup>, Iris Barshack<sup>2</sup>, Camila Avivi<sup>2</sup>, Gad Keren<sup>1</sup>  
<sup>1</sup>*Tel-Aviv Sourasky Medical Center, Tel-Aviv*; <sup>2</sup>*Chaim 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, Michal Gold, Nurit Segal, Keren Oved, Malka Ora Rozenberg, Amit Korach, Ehud Rudis, Gil Leibowits, Oz M Shapira  
*Hadassah Ein Karem, Jerusalem, Israel*

- 09:30 **Voltage Gated Calcium Channels Regulate AT1 Receptor Signaling**  
Kristoffer Bernhem<sup>1</sup>, Lena Scott<sup>2</sup>, Hjalmar Brismar<sup>1,2</sup>, Anita Aperia<sup>2</sup>  
<sup>1</sup>Royal Institute of Technology, Stockholm; <sup>2</sup>Karolinska Institutet, Solna, Sweden
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- 08:30-10:30 **S24 - Pediatric Cardiology** *Hall H*  
Chairs: Rami Fogelman; Eli Zalstein, Israel
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- 08:30 **Cryo-therapy Ablation for High Septal Accessory Pathways in Children**  
Moshe Swissa<sup>1</sup>, Tamir Dagan<sup>2</sup>, Elchanan Bruckheimer<sup>2</sup>, Einat Birk<sup>2</sup>, Michael Berant<sup>2</sup>, Rami Fogelman<sup>2</sup>  
<sup>1</sup>Kaplan Medical Center, Rehovot; <sup>2</sup>Schneider Children's Hospital, Petach Tikva, Israel
- 08:45 **Inappropriate Shocks and Power Delivery using Adult AED Pads in a Pediatric Patient**  
Shai Tejman Yarden<sup>1</sup>, Yehuda Atias<sup>2</sup>, Joseph Danieli<sup>1</sup>, Uriel Katz<sup>1</sup>, Marina Rubinstein<sup>1</sup>, Julius Hegesh<sup>1</sup>, Michael Glikson<sup>1</sup>  
<sup>1</sup>Chaim Sheba Medical Center, Ramat Gan; <sup>2</sup>Ihud Hatzala, Bnei Braq, Israel
- 09:00 **Electro Physiological Study and Ablation in Children with Asymptomatic Wolff-Parkinson-White Syndrome**  
Rami Fogelman<sup>1</sup>, Gilliy Yager-Yarom<sup>1</sup>, Tamir Dagan<sup>1</sup>, Elchanan Bruckheimer<sup>1</sup>, Einat Birk<sup>1</sup>, Moshe Swissa<sup>2</sup>  
<sup>1</sup>Schneider Children's Hospital, Petach Tikva; <sup>2</sup>Kaplan 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 Fink<sup>1</sup>, Zemene Tigabu<sup>2</sup>  
<sup>1</sup>Shaare Zedek Medical Center, Jerusalem, Israel; <sup>2</sup>Gondar College of Medicine and Health Science, Gondar, Ethiopia
- 09:45 **Cardiac MRI (CMR) for Coronary Imaging in Pediatric Patients - Initial Experience**  
Yishay Salem<sup>1</sup>, Orly Goitein<sup>2</sup>, Jeffrey Jacobson<sup>2</sup>, David Mishali<sup>1</sup>, Joseph Danieli<sup>1</sup>, Uriel Katz<sup>1</sup>, David Almelech<sup>1</sup>, Elio Di Segni<sup>2</sup>, Julius Hegesh<sup>1</sup>, Eli Konen<sup>2</sup>  
<sup>1</sup>Safra' Children's Hospital; <sup>2</sup>Sheba Medical Center, Ramat Gan, Israel

- 10:00 **Association between Maternal Conditions and Congenital Heart Defects in the Negev Area of Israel**  
Renana Ben Yona<sup>1</sup>, Moshe Stavsky<sup>1,2</sup>, Maayan Yitshak Sade<sup>1,2</sup>, Viktoria Ioffe<sup>1,2</sup>, Eli Zalstein<sup>1,2</sup>, Hanah Krimko<sup>1,2</sup>, Victor Novack<sup>1,2</sup>, Aviva Levitas<sup>1,2</sup>  
<sup>1</sup>Ben-Gurion University of the Negev; <sup>2</sup>Soroka 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**
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- 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  
Tirreme 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*

## **Sleep Apnea Endothelial Dysfunction Association - Targeting the Two Makes it Even Better**

Giora Pillar

*Carmel Medical Center, Haifa, Israel*

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14:00-15:50 **S25 - Special Session - Pediatric Cardiology** *Hall H*  
Chairs: Azaria Rein; Joseph Danieli, Israel

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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 Expirience**

Goy Jean-Jacques

*Lausanne University Hospital, Lausanne, Switzerland*

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

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

Chairs: Doron Zahger; David Hasdai, Israel

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14:45 **Long Term Follow up of Reticulated Platelets Levels Following ST-Elevation Myocardial Infarction**

Leor Perl<sup>1</sup>, Hila Lerman-Shivek<sup>2</sup>, Noa Zemer-Wassercug<sup>1</sup>,

Eldad Rechavia<sup>1</sup>, Abid Assali<sup>1</sup>, Dorit Leshem Lev<sup>3</sup>, Ran Kornowski<sup>1</sup>, Eli Lev<sup>1</sup>

<sup>1</sup>Rabin Medical Center, Petach Tikva; <sup>2</sup>The Hebrew University of Jerusalem;

<sup>3</sup>The 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 Sabbag,

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 Orvin<sup>1</sup>, Anees Musallam<sup>2</sup>, Leor Perl<sup>1</sup>, Morris Mosseri<sup>3</sup>, Yoel Arbel<sup>3</sup>, Shlomi Matetzky<sup>4</sup>, Ariel Roguin<sup>2</sup>, Eli Lev<sup>1</sup>

<sup>1</sup>Rabin Medical Center, Petach Tikva; <sup>2</sup>Rambam Medical Center, Haifa;

<sup>3</sup>Meir Medical Center, Kfar Saba; <sup>4</sup>Sheba 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 Perl<sup>1</sup>, Noa Zemer-Wassercug<sup>1</sup>, Eldad Rechavia<sup>1</sup>,

Muthiah Vaduganathan<sup>2</sup>, Katia Orvin<sup>1</sup>, Hila Lerman-Shivek<sup>3</sup>,

Ran Kornowski<sup>1</sup>, Eli I Lev<sup>1</sup>

<sup>1</sup>Rabin Medical Center, Petach Tikva, Israel; <sup>2</sup>Massachusetts General Hospital,

Harvard Medical School, Boston, Massachusetts, USA; <sup>3</sup>The Hebrew University

of Jerusalem, Jerusalem, Israel

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14:45-15:45 **S27 - Rehabilitation, Epidemiology, Prevention and Pharmacotherapy**

Hall B

Chairs: Ilan Goldenberg; Rachel Marom-Klibansky, Israel

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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 Tiosano<sup>1</sup>, Hanoch Hod<sup>1,2</sup>, Bernice Oberman<sup>2</sup>, Angela Chetrit<sup>2</sup>, Rachel Dankner<sup>1,2</sup>

<sup>1</sup>Tel-Aviv University, Tel-Aviv; <sup>2</sup>Chaim Sheba Medical Center, Ramat-Gan, Israel

14:55 **Serum Potassium Levels and Long-term Post-discharge Mortality in Acute Myocardial Infarction**

Ygal Plakht<sup>2,3</sup>, Arthur Shiyovich<sup>1</sup>, Harel Gilutz<sup>2,3</sup>

<sup>1</sup>Beilinson Hospital, Rabin Medical Center, Petach Tikva; <sup>2</sup>Soroka University

Medical Center, Beer-Sheva; <sup>3</sup>Ben-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 Stavsky<sup>1,2</sup>, Renana Ben Yona<sup>1</sup>, Maayan Yitshak Sade<sup>1,2</sup>, Hanah Krimko<sup>1,2</sup>, Eli Zalstein<sup>1,2</sup>, Viktoria Ioffe<sup>1,2</sup>, Victor Novack<sup>1,2</sup>,

Aviva Levitas<sup>1,2</sup>

<sup>1</sup>Ben-Gurion University of the Negev; <sup>2</sup>Soroka University Medical Center,

Be'er Sheva, Israel

- 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 Gafarov<sup>1</sup>, Dmitriy Panov<sup>2</sup>, Elena Gromova<sup>2</sup>, Igor Gagulin<sup>1</sup>, Almira Gafarova, Almira Gafarova<sup>1</sup>  
<sup>1</sup>SB RAMS, Novosibirsk; <sup>2</sup>FSBI 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 Berkovitch<sup>1</sup>, Shaye Kivity<sup>1,3</sup>, Robert Klempfner<sup>1,3</sup>, Shlomo Segev<sup>1</sup>, Assi Milwidsky<sup>1,2</sup>, Ilan Goldenberg<sup>1,3</sup>, Yechezkel Sidi<sup>1,3</sup>, Elad Maor<sup>1</sup>  
<sup>1</sup>Chaim Sheba Medical Center, Tel Hashomer; <sup>2</sup>Tel-Aviv Medical Center; <sup>3</sup>Tel-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*
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- 14:45-16:00 **S28 - Interventional Cardiology** *Hall C*  
Chairs: Ilia Reuven, Uri Rosenschein, Israel
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- 14:45 **Patient and Operator Radiation Dose Using a Pelvic Lead Shield during Trans Radial Angiography**  
Anees Musallam<sup>1</sup>, Ina Volis<sup>2</sup>, Sveta Dedaiev<sup>1</sup>, Eitan Abergel<sup>1</sup>, Amit Soni<sup>1</sup>, Arthur Kerner<sup>1</sup>, Rafael Beyar<sup>1</sup>, Ariel Roguin<sup>1</sup>  
<sup>1</sup>Rambam Medical Center; <sup>2</sup>Faculty 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 Rechavia, Ofer Sela, David Brosh, Ran Kornowski  
*Rabin Medical Center, Petach Tikva, Israel*

- 15:21 **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 Konigstein, 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*
- 15:33 **Renal Denervation Using the Novel Therapeutic Intra-Vascular Ultrasound (TIVUS™) Catheter System - Preliminary Report of First-In-Man Safety and Performance Study**  
Michael Jonas<sup>1</sup>, Jacob George<sup>1</sup>, Gera Gendelman<sup>1</sup>, Oded Ayzenberg<sup>1</sup>, Jayson Rapoport<sup>1</sup>, Erwin Blessing<sup>3</sup>, Uri Roenschein<sup>4</sup>, Dierk Scheinert<sup>5</sup>, Nicolas Diehm<sup>6</sup>, Sharad Shetty<sup>7</sup>  
*<sup>1</sup>Kaplan Medical Center, Rehovot, Israel; <sup>3</sup>University Hospital of Heidelberg, Heidelberg, Germany; <sup>4</sup>Bnai Zion Medical Center, Haifa, Israel; <sup>5</sup>Park Krankenhaus, Leipzig, Germany; <sup>6</sup>Inselspital Bern, Bern, Swaziland; <sup>7</sup>Royal Perth Hospital, Perth, Australia*
- 15:45 **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*
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- 14:45-15:45 **S29 - Cardiovascular Surgery** *Hall D*  
Chairs: Dan Aravot; Oz Shapira, Israel
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- 14:45 **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 Korach<sup>1</sup>, Oz Shapira<sup>1</sup>, Frederic Pinaud<sup>2</sup>, Abeer Dabah<sup>1</sup>, Yusheng Bao<sup>1</sup>, Jean Jacques Corbeau<sup>2</sup>, Jean-Louis de Brux, Christophe Baufreton<sup>2</sup>  
*<sup>1</sup>Hadassah Hebrew University Medical Center, Jerusalem, Israel; <sup>2</sup>University Hospital of Angers, Angers, France*
- 14:55 **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*

- 15:05 **Permanent Pacemaker Implantation following Isolated Aortic Valve Replacement: A Single Centre Experience**  
Amjad Shalabi<sup>1</sup>, Leonid Sternik<sup>1</sup>, Roy Beinart<sup>2</sup>, Michael Glikson<sup>2</sup>, Shany Levin<sup>1</sup>, Ehud Raanani<sup>1</sup>, Alexander Kogan<sup>1</sup>  
<sup>1</sup>Department of Cardiac Surgery, Sheba Medical Center, Ramat Gan, Israel;  
<sup>2</sup>Davidai Arrhythmia Center, Sheba Medical Center, Ramat Gan, Israel
- 15:15 **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*
- 15:25 **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*
- 15:35 **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*
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- 14:45-15:45 **S30 - Myocardial / Pericardial Diseases, Heart Failure: Invasive Approaches to Heart Failure** *Hall E*  
Chairs: Shemy Carasso; Israel Gotsman, Israel
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- 14:45 **Utility of Routine Right Heart Catheterization after LVAD Implantation**  
Dan Spiegelstein, Carolyn M Rosner, Shashank S Desai, Lori G Edwards, Tonya Elliott, Nelson A Burton, Anthony J Rongione  
*Inova Heart and Vascular, Fairfax, VA, USA*
- 14:57 **First Experience in Ambulatory Ultrafiltration Therapy for Congested Heart Failure Patients in Israel**  
Evgeny Radzishevsky<sup>2</sup>, Nabeeh Salman<sup>1</sup>, Hagar Paz<sup>1</sup>, Dina Merhavi<sup>1</sup>, Nisan Yaniv<sup>1</sup>, Roni Ammar<sup>1</sup>, Uri Rosenschein<sup>2</sup>, Offer Amir<sup>1</sup>  
<sup>1</sup>Heart Failure Unit, Lin Medical Center; <sup>2</sup>Bnei-Zion Medical Center, Haifa, Israel
- 15:09 **Comparison of Post Implant Hemodynamics with 2<sup>nd</sup> versus 3<sup>rd</sup> Generation Continuous Flow Left Ventricular Assist Device**  
Dan Spiegelstein, Carolyn M Rosner, Shashank S Desai, Lori G Edwards, Tonya Elliott, Nelson A Burton, Anthony J Rongione  
*Inova Heart and Vascular, Fairfax, VA, USA*

- 15:21 **First Israeli Continuous Flow Bi-ventricular Assist Device Implantation as a Total Artificial Heart**  
Eyal - Ran Nachum<sup>1</sup>, Yigal Kassif<sup>1,2</sup>, Sergey Preisman<sup>1</sup>, Alex Kogan<sup>1,2</sup>, Dov Freimark<sup>2</sup>, Jacob Lavee<sup>1,2</sup>  
*<sup>1</sup>Sheba Medical Center, Ramat Gan; <sup>2</sup>Tel 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*
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- 14:45-15:45 **S31 - Joint Session - Society of Cardiovascular Computed Tomography (SCCT) and Israel Heart Society** *Hall F*  
Chairs: **Arik Wolak; Ronen Rubinshtein, Israel**
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- 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 Lamash<sup>1</sup>, Anath Fischer<sup>1</sup>, Shemy Carasso<sup>2</sup>, Jonathan Lessick<sup>2</sup>  
*<sup>1</sup>Technion - Israel Institute of Technology; <sup>2</sup>Rambam Health-Care Campus, Haifa, Israel*
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- 14:45-15:45 **S32 - Echocardiography and Valvular Diseases** *Hall G*  
Chairs: **Rafael Kuperstein; Noah Liel, Israel**
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- 14:45 **Left Ventricular Mass Regression Post Transcatheter Aortic Valve Implantation**  
Adaya Weissler Snir, Yaron Shapira, Shirit Kazum, Tamir Bental, Marina Kupersmidt, Abid Assali, Hana Vaknin-Assa, Alexander Sagie, Ran Kornowski, Pablo Codner, Mordechai Vaturi  
*Rabin Medical Center, Petach-Tikva, Israel*

- 14:55 **Clinical Factors May Predict Outcome after Aortic Valve Replacement**  
Valery Meledin, Yacov Fabrikant, Adi Gui, Jacob George, Sara Shimoni  
*Kaplan Medical Center, Rehovot, Israel*
- 15:05 **Aortic Valve Calcification's Initiation and Growth Process Using a New Reverse Calcification Technique**  
Rotem Halevi<sup>1</sup>, Ashraf Hamdan<sup>2</sup>, Gil Marom<sup>1</sup>, Mor Peleg<sup>1</sup>, Ehud Raanani<sup>2</sup>, Rami Haj-Ali<sup>1</sup>  
<sup>1</sup>*Tel Aviv University, Tel Aviv*; <sup>2</sup>*Chaim Sheba Medical Center, Tel Hashomer, Israel*
- 15:15 **Significant Diastolic Dysfunction Is Associated with Elevated Levels of Anti-Oxidized LDL Antibodies**  
Nicholay Teodorovich, Yakov Fabrikant, Valery Meledin, Yonatan Kogan, Sorel Goland, Sara Shimoni, Jacob George  
*Kaplan Hospital, Rehovot, Israel*
- 15:25 **Pulmonary Artery Systolic Pressure and Mortality in the Oldest Old**  
David Leibowitz, Jochanan Stessman, Jeremy Jacobs, Ronny Alcalai, Irit Stessman-Lande, Dan Gilon  
*Hadassah-Hebrew University Medical Center, Jerusalem, Israel*
- 15:35 **Echocardiographic Differences between Men and Women with Severe Aortic Stenosis**  
Yael Furman, Idit Yedidya, Alexander Sagie  
*Rabin Medical Center, Petach Tikva, Israel*
- 15:45-16:00 **Break, Exhibition & E-Posters Visit, Exhibition**
- 16:00-17:45 **Parallel Sessions S33-S39**
- 16:00-17:45 **S33 - Intensive Cardiac Care** *Hall A*  
Chairs: Simcha Meisel; Zaza Iakobishvili, Israel
- 16:00 **Dynamic Myocardial Depression in Septic Cardiomyopathy**  
Abed El Wahab Darawshe, David Livingston, Yael Haviv  
*The Chaim Sheba Medical Center affiliated to the Tel-Aviv University, Tel-Hashomer, Ramat Gan, Israel*
- 16:15 **Elevated Anti Oxidized LDL Antibodies Are Associated with Elevated Troponin Levels in Patients Undergoing Coronary Angiography**  
Nicholay Teodorovich, Yonatan Kogan, Gera Gandelman, Jacob George  
*Kaplan Hospital, Rehovot, Israel*
- 16:30 **Role of C Reactive Protein in Evaluating the Extent of Myocardial Inflammation in Acute Myocarditis**  
Avi Sabbag, Rafi Kuperstein, Orly Goitein, Guy Rozen, Elad Asher, Edward Koifman, Itzik Biton, Romana Herschkowitz, Shlomi Matetzky  
*Chaim Sheba Medical Center, Tel Hashomer, Israel*



- 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 Bitton<sup>1,2</sup>, Anna Mazo<sup>1</sup>, Elad Asher<sup>1</sup>, Elad Maor<sup>1,2</sup>, Romana Herscovici<sup>1</sup>, Ilan Goldenberg<sup>1,2</sup>, Shlomi Matetzky<sup>1,2</sup>  
<sup>1</sup>*Sheba Medical Center, Ramat Gan*; <sup>2</sup>*Tel Aviv University, Tel Aviv, Israel*
- 17:15 **Telemedicine to Expedite Medical Contact Following Symptom Onset**  
Eran Leshem-Rubinow<sup>1,2</sup>, Eyal Ben Assa<sup>1,2</sup>, Yakov Shacham<sup>1,2</sup>, Avivit Zatelman<sup>3</sup>, Ayelet Oren-Shamir<sup>3</sup>, Nomi Malov<sup>3</sup>, Michal Golovner<sup>3</sup>, Arie Roth<sup>1,2</sup>  
<sup>1</sup>*Tel Aviv Medical Center*; <sup>2</sup>*Tel-Aviv University*; <sup>3</sup>*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*

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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 Anat<sup>1</sup>, Shaye Kivity<sup>1,3</sup>, Robert Klempfner<sup>1,3</sup>, Shlomo Segev<sup>1</sup>, Assi Milwidsky<sup>1,2</sup>, Ilan Goldenberg<sup>1,3</sup>, Yechezkel Sidi<sup>1,3</sup>, Elad Maor<sup>1</sup>  
<sup>1</sup>*Chaim Sheba Medical Center, Tel Hashomer, Ramat Gan*; <sup>2</sup>*Tel-Aviv Medical Center*; <sup>3</sup>*Tel Aviv University, Tel Aviv, Israel*
- 16:15 **White Coat Hypertension in Cardiac Rehabilitation Settings**  
Ehud Goldhammer<sup>1,2</sup>, Alon Tanchilevitch<sup>1</sup>, Yelena Rivlin<sup>1</sup>, Uri Rosenschein<sup>1,2</sup>  
<sup>1</sup>*Bnei Zion Medical Center*; <sup>2</sup>*Technion - Israel Institute of Technology, Haifa, Israel*

- 16:30 **Cardiovascular Health: Comparisons between Adult Arabs and Jews in Israel**  
Ofra Kalter Leibovici<sup>1,2</sup>, Angela Chetrit<sup>1</sup>, Havi Murad<sup>1</sup>, Kathleen Abu-Saad<sup>1</sup>, Ahmed Atamna<sup>3</sup>, Gershon Alpert<sup>3</sup>, Michal Gillon-Keren<sup>4</sup>, Ori Rogowski<sup>2,5</sup>, Uri Goldbourt<sup>2</sup>  
<sup>1</sup>Gertner Institute for Epidemiology & Health Policy Research, Ramat-Gan; <sup>2</sup>Tel-Aviv University, Tel-Aviv; <sup>3</sup>Clalit Health Services, Hadera; <sup>4</sup>Schneider Children's Medical Center, Petach-Tikvah; <sup>5</sup>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 Goldenberg, 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<sup>1,2</sup>, Orna Reges<sup>3</sup>, Moshe Heshen<sup>3</sup>, Nisan Yaniv<sup>1,2</sup>, David A. Halon<sup>2</sup>, Morton Leivovitch<sup>3</sup>  
<sup>1</sup>Zevoulon Medical Center, Kiriat Bialik; <sup>2</sup>Lady Davis Carmel Medical Center, Haifa; <sup>3</sup>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<sup>1,2</sup>, Offir Ertracht<sup>1</sup>, Shaul Atar<sup>1,2</sup>  
<sup>1</sup>Faculty of Medicine, Bar-Ilan University, Safed; <sup>2</sup>Western Galilee Medical Center, Nahariya, Israel
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- 16:00-17:30 **S35 - Interventional Cardiology: TAVI & Structural** *Hall C*  
Chairs: Yoav Turgeman; Jacob George, Israel
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- 16:00 **Long-term Outcomes following Left Atrial Appendage Occlusion in High-risk Patients with Atrial Fibrillation**  
David Meerkon, 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 Center, Petach Tikva, Israel*

- 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 Kupersmidt, 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*
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- 16:00-17:30 **S36 - Pacing and Electrophysiology: Clinical** *Hall D*  
Chairs: Michael Glikson; Boulous Monther, Israel
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- 16:00 **Syncope and Arrhythmias during Pregnancy - 10 Years Experience**  
Jeryes Shehadeh<sup>1,2</sup>, Eli Gutterman<sup>1,2</sup>  
<sup>1</sup>*Zevoulon Medical Center, Kiriat Bialik*; <sup>2</sup>*Carmel Medical Center, Haifa, Israel*
- 16:15 **Drug Induced Brugada Syndrome: Clinical Characteristics and Risk Factors**  
Maayan Konigstein<sup>1</sup>, Guy Topaz<sup>1</sup>, Pieter Postema<sup>2</sup>, Amir Halkin<sup>1</sup>, Sami Viskin<sup>1</sup>  
<sup>1</sup>*The Tel Aviv Medical Center, Tel Aviv, Israel*; <sup>2</sup>*Academic Medical Center, Amsterdam, Netherlands*
- 16:30 **Time Dependent Changes in Body Mass Index and the Risk of First Atrial Fibrillation Event**  
Elad Maor<sup>1</sup>, Anat Berkovitch<sup>1</sup>, Shlomo Segev<sup>1</sup>, Yechezkel Sidi<sup>1,2</sup>, Ilan Goldenberg<sup>1,2</sup>, Shay Kivity<sup>1,2</sup>  
<sup>1</sup>*Sheba Medical Center, Ramat-Gan*; <sup>2</sup>*Tel-Aviv University, Tel-Aviv, Israel*

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

- 17:00 **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*
- 17:15 **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*

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16:00-17:30 **S38 - Echocardiography** *Hall G*  
Chairs: **Yoram Agmon; Alik Sagie, Israel**

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- 16:00 **Prevalence of LA Appendage Thrombus (LAA-T) in Patients with Atrial Fibrillation (AF) and CHADS2 Score 0-1**  
Rami Jubeh, David Rosenmann, Sameer Mtour, Louay Taha, Achia Nemet, Dan Tzivoni, Aharon Medina  
*Shaare Zedek Medical Center, Jerusalem, Israel*

- 16:15 **Is Non-valvular Atrial Fibrillation associated with Elevated Pulmonary Artery Pressure?**  
Diab Mutlak, Jonathan Lessick, Izhak Kehat, Doron Aronson, Shimon Reisner, Yoram Agmon  
*Rambam Medical Center, Haifa, Israel*

- 16:30 **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 Eitan<sup>1</sup>, Yoram Agmon<sup>1,2</sup>  
<sup>1</sup>Rambam Medical Center; <sup>2</sup>Technion - Israel Institute of Technology, Haifa, Israel

- 16:45 **Strain Rate Predicts the Extent of Transmurality of Myocardial Infarction**  
Noa Bachner-Hinenzon<sup>1</sup>, Assaf Malka<sup>2</sup>, Offir Ertracht<sup>3</sup>, Dan Adam<sup>2</sup>, Ofer Binah<sup>2</sup>, Zvi Friedman<sup>4</sup>, Zvi Vered<sup>5,6</sup>  
<sup>1</sup>Analyze IT Research Institute, Tuval; <sup>2</sup>Technion-Israel Institute of Technology, Haifa; <sup>3</sup>Western Galilee Hospital, Nahariya; <sup>4</sup>GE Healthcare, Tirat Hacarmel; <sup>5</sup>Assaf Harofeh Medical Center, Zerifin; <sup>6</sup>Tel Aviv University, Tel-Aviv, Israel

- 17:00 **Longitudinal Right and Left Ventricular Systolic Function at Rest and on Stress**  
Dawod Sharif<sup>1</sup>, Amal Sharif-Rasslan<sup>2</sup>, Camilia Shahla<sup>1</sup>, Amin Khalil<sup>1</sup>, Uri Rosenschein<sup>1</sup>  
<sup>1</sup>Bnai Zion Medical Center; <sup>2</sup>Technion - Israel Institute of Technology, Haifa, Israel
- 17:15 **The Unique Clinical Features and Outcome of Infectious Endocarditis and Vertebral Osteomyelitis Co-infection**  
Matthew Koslow, Rafael Kuperstein, Iris Eshet, Marina Perlman, Elad Maor, Yeheskel Sidi  
Chaim Sheba Medical Center, Ramat Gan, Israel
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- 16:00-17:30 **S39 - Basic Science** *Hall H*  
Chairs: Gad Keren; Ronen Durst, Israel
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- 16:00 **Cardiac Progenitor Cells from the Left Atrial Appendage May Originate from a Resident Epicardial Non-Hematopoietic Myeloid Progenitor Precursor Population**  
Jussi Leinonen<sup>1</sup>, Avishag Korkus-Emanuelov<sup>1</sup>, Michal Migrom-Hoffman<sup>2</sup>, Sara Hoss<sup>1</sup>, Chaim Lotan<sup>1</sup>, Eldad Tzahor<sup>2</sup>, Eldad Tzahor, Ronen Beeri<sup>1</sup>  
<sup>1</sup>Hadassah-Hebrew University Medical Center, Jerusalem; <sup>2</sup>Weizmann Institute 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 Levi<sup>1</sup>, Dorit Leshem-Lev<sup>2</sup>, Tal Hasin<sup>1</sup>, Matz Israel<sup>1</sup>, Daniel Murninkas<sup>1</sup>, Oshrat Dadush<sup>2</sup>, Victoria Yaari<sup>1</sup>, Ran Kornowski<sup>1,2</sup>, Eli I Lev<sup>1,2</sup>, Tuvia Ben Gal<sup>1</sup>  
<sup>1</sup>Beilinson Hospital, Rabin Medical Center; <sup>2</sup>Felsenstein 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-Ari<sup>1,3,2</sup>, Revital Schick<sup>1,3,2</sup>, Lili Barad<sup>1,3,2</sup>, Atara Novak<sup>1,3,2</sup>, Erez Ben-Ari<sup>2,3</sup>, Avraham Lorber<sup>2,4</sup>, Joseph Itskovitz-Eldor<sup>1,2,4</sup>, Michael R Rosen<sup>5</sup>, Amir Weissman<sup>2,4</sup>, Ofer Binah<sup>1,3,2</sup>  
<sup>1</sup>The Sohnis Family Stem Cells Center; <sup>2</sup>Ruth & Bruce Rappaport Faculty of Medicine; <sup>3</sup>Technion - Israel Institute of Technology; <sup>4</sup>Rambam Medical Center, Haifa, Israel; <sup>5</sup>College 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 Cohen<sup>1,2</sup>, Hudi Pazner<sup>1,2</sup>, Michal Entin-Meer<sup>1</sup>, Ran Levy<sup>1</sup>, Michal Entin-Meer<sup>1,2</sup>, Einat Hertzberg<sup>1,2</sup>, Ran Levy<sup>1,2</sup>, Gad Keren<sup>1,2</sup>  
<sup>1</sup>Tel Aviv Sourasky Medical Center; <sup>2</sup>Tel Aviv University, Tel Aviv, Israel

17:00 **Increased Levels of Pro Inflammatory Cytokines in Tachycardia Induced Cardiomyopathy**

Ayman Jubran<sup>1,2</sup>, Jeremy Ben-Shoshan<sup>1,2</sup>, Ran Levy<sup>1,2</sup>,  
Michal Entin-Meer<sup>1,2</sup>, Gad Keren<sup>1,2</sup>

<sup>1</sup>Tel Aviv Medical Center; <sup>2</sup>Tel Aviv University, Tel Aviv, Israel

17:15 **Cardiac Economy and Cross-bridge Dynamics are Length Independent**

Daria Amiad Pavlov<sup>1</sup>, Michal Horowitz<sup>2</sup>, Amir Landesberg<sup>1</sup>

<sup>1</sup>Technion - Israel Institute of Technology, Haifa; <sup>2</sup>Hebrew University, Jerusalem, Israel

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17:45 **Annual General Assembly of the Israel Heart Society**

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*Hall F*