

07:45	Registration
08:30-10:30	Parallel Sessions S1-S8
08:30-10:30	S1 - Intensive Cardiac Care: Contemporary Management of STEMI <i>Hall A</i> Chairs: Shlomi Matetzky; Haim Hammerman, Israel
08:30	Effects of Intra-aortic Balloon Counter Pulsation on Coronary Artery Flow and Left Ventricular Function after Primary Coronary Primary Percutaneous Intervention and Suboptimal Coronary Flow <u>Dawod Sharif</u> ¹ , Yosef Micheal ² , Amal Sharif-Rasslan ³ , Nabeel Makhoul ¹ , Arie Shefer ¹ , Amin Hassan ¹ , Uri Rosenschein ¹ ¹ Bnai Zion Medical Center, Haifa; ² Jerusalem University, Jerusalem; ³ Technion - Israel Institute of Technology, Haifa, Israel
08:45	Impact of Emergency Medical Service Use on Ischemic Time Intervals in ST-Elevation Myocardial Infarction Patients <u>Edward Koifman</u> , Yitshak Biton, Avi Sabbag, Elad Maor, Ehud Regev, Romana Herscovici, Noam Fink, Diego Medvedovsky, Elad Asher, Paul Fefer, Ilan Goldenberg, Shlomi Matetzky <i>Chaim Sheba Medical Center, Tel Hashomer, Israel</i>
09:00	Immediate Response to Prasugrel Loading in STEMI Patients: Predictors and Outcome <u>Edward Koifman</u> , Roy Beigel, Paul Fefer, Elad Asher, Elad Maor, Avi Sabbag, Yitshak Biton, Romana Herscovici, Noam Fink, Nurit Rozenberg, Shlomi Matetzky <i>Chaim Sheba Medical Center, Tel Hashomer, Israel</i>
09:15	Primary PCI in STEMI: Variations According to Ethnicity in Israel <u>Adaya Weissler Snir</u> , Ran Kornowski, Mohamad Eisa, Eli Lev, Hana Vaknin-Assa, Abid Assali <i>Rabin Medical Center, Petach-Tikva, Israel</i>
09:30	Thrombolysis versus Primary PCI in STEMI Patients Admitted within 3 Hours from Symptom Onset <u>Yaniv Levi</u> ¹ , Aharon Frimerman ¹ , Avraham Shotan ¹ , Michael Shochat ¹ , David S Blondheim ¹ , Mark Kazatsker ¹ , Ilan Goldenberg ² , Lubov Vasilenko ¹ , Simcha R Meisel ¹ ¹ Hillel Yaffe Medical Center, Hadera; ² Chaim Sheba Medical Center, Tel Hashomer, Israel
09:45	The Safety of Switching from Clopidogrel to Prasugrel following Thrombolysis for ST-Elevation Myocardial Infarction <u>Tsahi Tsvi Lerman</u> ^{1,3} , Doron Zahger ^{1,3} , Kobi Arad ^{2,3} , Harel Gilutz ^{1,3} , Avi Shimony ^{1,3} ¹ Soroka University Medical Center, Beer Sheva; ² Yoseftal Medical Center, Eilat; ³ Ben Gurion University of the Negev, Beer Sheva, Israel

- 10:00 **Door-to-Balloon Time and Mortality in Patients Undergoing Primary PCI: A Large Single Center Experience**
Katia Orvin, Abid Assali, Hana Vaknin-Assa, Eli Lev, Gabi Greenberg, Tamir Bental, Ran Kornowski
Rabin Medical Center, Petach Tikva, Israel
- 10:15 **Nation-Wide Real-Life Implementation of Primary Percutaneous Coronary Intervention Strategy Improves Survival in Patients with ST-Elevation Myocardial Infarction - A Decade Long Perspective from the Acute Coronary Syndrome Israeli Surveys (ACSIS)**
Avi Sabbag¹, Shlomi Matetzky¹, Shmuel Gottlieb², Shaul Atar³, Doron Zahger⁴, Zaza Iakobishvili⁵, Arie Roth⁶, Victor Guetta¹, Ilan Goldenberg¹, Amit Segev¹
¹Chaim Sheba Medical Center, Tel Hashomer; ²Shaare-Zedek Medical Center, Jerusalem; ³The Western Galilee Medical Center, Nahariya; ⁴Soroka Medical Center, Beer-Sheva; ⁵Rabin Medical Center, Petach-Tikva; ⁶Tel Aviv Medical Center, Tel Aviv, Israel
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- 08:30-10:30 **S2 - Rehabilitation, Epidemiology, Prevention and Pharmacotherapy** *Hall B*
Chairs: Robert Klempfner; Jacob Klein, Israel
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- 08:30 **Adherence to Pharmacological Guidelines of Cardiothoracic Surgeons is associated with Re-hospitalizations and with 1 and 8-year Mortality after Coronary Artery Bypass Graft (CABG) Surgery**
Keren Laufer¹, Liraz Olmer², Arnona Ziv², Amnon Zlotnick³, Amir Elami³, Rachel Dankner^{1,2}
¹School of Public Health, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv; ²The Gertner Institute for Epidemiology and Health Policy Research, Ramat Gan; ³Lady Davis Carmel Medical Center, Haifa, Israel
- 08:45 **Spironolactone Added-on Standard Antiarrhythmic Pharmacological Therapy Decreases the Atrial Fibrillation Recurrences in a 24 Months Study**
Ovidiu Tetiu¹, Gheorghe Savoiu², Marius Mihaila¹, Ion Iorga-Siman², Gabriela Stanculescu¹, George-Mihail Man²
¹Emergency Hospital Pitesti, Pitesti; ²University of Pitesti, Pitesti, Romania
- 09:00 **Evaluation of Platelet Response to Different Clopidogrel Doses and Prasugrel in Real World STEMI Patients**
Paul Fefer¹, Roy Beigel¹, Nurit Rosenberg¹, Michael Shechter¹, Sharon Gannot¹, David Varon¹, Naphtali Savion², Hanoch Hod¹, Shlomi Matetzky¹
¹Chaim Sheba Medical Center, Tel Hashomer; ²Hadassah Hebrew University Hospital, Jerusalem, Israel

- 09:15 **Omega-3 Fatty Acid Supplementation Does Not Reduce Atrial Fibrillation Burden in Patients with Implanted Pacemaker**
Moshe Swissa¹, Tali Shaulov², Oded Ayzenberg¹, Valery Belatsky¹, Jacob George¹, Ram Reifen²
¹Kaplan Medical Center, Rehovot; ²Hebrew University, Rehovot, Israel
- 09:30 **Fixed Dose Combination Valsartan+Hydrochlorthiazide vs Bisoprolol+Hydrochlorthiazide Influence on Arterial Blood Pressure, Arterial Stiffness and Sexual Dysfunction**
Ganna Radchenko, Yuriy Sirenko, Olena Torbas, Anna Dobrohod, Olena Snitsarenko
NSC Institute of Cardiology, Kyiv, Ukraine
- 09:45 **Aspirin Resistance and Inflammation - Is There a Correlation?**
Gabriel Greenberg, Shirit Kazum, Roman Nevzorov, Abid Assali, Hanna Vaknin-Assa, David Brosh, Eldad Rechavia, Alejandro Solodky, Ran Kornowski, Eli Lev
Rabin Medical Center, Petach-Tikva, Israel
- 10:00 **Pivotal Role of NOD2 in Inflammatory Processes Affecting Atherosclerosis and Periodontal Bone Loss**
Salomon Amar, Susan Leeman
Boston University; GSDM, Boston, MA, USA
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- 08:30-10:30 **S3 - Interventional Cardiology: TAVI1** Hall C
Chairs: Ran Kornowski; Ariel Finkelstein, Israel
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- 08:30 **Results of TAVI in the Very Elderly (≥88 years old) Patients with Aortic Stenosis**
Katia Orvin, Abid Assali, Hana Vaknin-Assa, Gabi Greenberg, Pablo Codner, Yaron Shapira, Alex Sagie, Ran Kornowski
Rabin Medical Center, Petach Tikva, Israel
- 08:45 **Computed-tomographic Assessment of Membranous Septal Anatomy for Risk Prediction of Atrioventricular Block Associated with Transcatheter Aortic Balloon Expandable Valve Implantation**
Ashraf Hamdan, Victor Guetta, Eli Konen, Ehud Raanani, Robert Klempfner, Amit Segev, Orly Goitein, Diego Medvedovsky, Michael Eldar, Ehud Schwammenthal
Chaim Sheba Medical Center, Ramat Gan, Israel
- 09:00 **Changes in Mitral Regurgitation Severity after Successful Transcatheter Aortic Valve Implantation: Impact on the Development of Heart Failure**
Elisha Ouzan, Erhan Gonen, Eren Karayel, Israel Gotsman, Haim Danenberg, Chaim Lotan
Hadassah Hebrew University Medical Center, Jerusalem, Israel

- 09:15 **Characterization of Mitral Regurgitation Response to TAVI in High Risk Patients Treated for Aortic Stenosis**
Leor Perl, Moti Vaturi, Abid Assali, Alik Sagie, Pablo Codner, Katia Orvin, Marina Kupershmidt, Hana Vaknin-Assa, Yaron Shapira, Ran Kornowski
Rabin Medical Center, Petach Tikva, Israel
- 09:30 **Norton Scale as a Prognostic Tool in Elderly Patients Undergoing TAVI: A Retrospective Cohort Study**
Eran Leshem-Rubinow^{1,3}, Idit Rabinovitz^{1,3}, Eyal Ben Assa^{1,3}, Arie Steinvil^{1,3}, Maayan Konigstein^{1,3}, Yakov Shacham^{1,3}, Gad Keren^{1,3}, Shmuel Banai^{1,3}, Dan Justo^{2,3}, Ariel Finkelstein^{1,3}
¹Tel Aviv Medical Center, Tel Aviv; ²Chaim Sheba Medical Center, Tel Hashomer; ³Tel-Aviv University, Tel Aviv, Israel
- 09:45 **Access Site-Related Complications after TAVI: Incidence, Predictors and the Impact of a Learning Curve**
David Planer, Gidon Perlman, Sasa Loncar, Chaim Lotan, Haim Danenberg
Hadassah Medical Center, Jerusalem, Israel
- 10:00 **Stent-graft Implantation in Ileo femoral Arteries for Treatment of Access-site Bleeding following Transcatheter Aortic Valve Implantation**
Ronen Jaffe, Nader Khader, Ronen Rubinshtein, David Halon
Carmel Medical Center, Haifa, Israel
- 10:15 **Surgical versus Transcatheter Aortic Valve Replacement in the Elderly: Mid-term Outcomes and Quality of Life**
Oz Shapira, Abeer Dabah, Amit Korach, Ester Houminer, Ehud Rudis, Uzi Izhar, Ori Wald, Dan Gilon, Gideon Perlman, David Planer, Arthur Pollak, Haim Danenberg, Chaim Lotan
Hadassah Hebrew University Medical Center, Jerusalem, Israel
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- 08:30-10:30 **S4 - Echocardiography: Valvular Heart Disease** *Hall D*
Chairs: Gad Keren; Yaron Shapira, Israel
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- 08:30 **Reverse Remodeling and the Mechanism of Mitral Regurgitation Improvement in Patients with Dilated Cardiomyopathy**
Rafael Kuperstein^{1,2}, Ido Blechman¹, Dov Freimark^{1,2}, Michael Arad^{1,2}
¹Chaim Sheba Medical Center, Ramat Gan; ²Tel Aviv University, Tel Aviv, Israel
- 08:45 **Distinguishing Features between Patients with Aortic Stenosis and Aortic Sclerosis**
Liaz Zilberman, Sorel Goland, Jacob George, Sara Shimoni
Kaplan Medical Center, Rehovot, Israel

- 09:00 **Mutations in the DCHS1 Gene Cause Mitral Valve Prolapse in Humans**
Ronen Durst^{1,2}, David S Peal², Annemarieke deVlaming³,
Maire Leyne², Michael Talkowski², Maëlle Perrocheau, Charles Simpson²,
Christopher Jett², Matthew R Stone², Florie Charles², Colby Chiang²,
Jill A. Rosenfeld¹⁰, Xavier Jeunemaitre^{7,8}, Albert Hagege^{7,8},
Nabila Bouatia-Najji⁷, Francesca N Dellling^{2,5}, Lisa A Freed^{2,6},
Christian Dina⁹, Jean-Jacques Schott⁹, Kenneth D Irvine⁴, Yaopan Mao⁴,
Kimberly Sauls³, Andy Wessels³, Tahirali Motiwala³, Katherine Williams³,
Roger R. Markwald³, Robert A Levine², David J Milan², Russell A Norris³,
Susan A Slaugenhaupt²
¹Hadassah Hebrew University Medical Center, Jerusalem, Israel;
²Massachusetts General Hospital, Boston, MA; ³College of Medicine,
Cardiovascular Developmental Biology Center, Children's Research Institute,
Medical University of South Carolina, Charleston, SC; ⁴Rutgers, the State
University of New Jersey, Piscataway, NJ; ⁵Beth Israel Deaconess Medical
Center, Boston, MA; ⁶Yale School of Medicine, New Haven, CT, USA; ⁷Paris
Cardiovascular Research Center; ⁸University Paris Descartes, Sorbonne Paris
Cité, Paris; ⁹Université de Nantes, Nantes, France ¹⁰PerkinElmer, Spokane, WA,
USA
- 09:15 **The Association between Mitral Annulus Calcification and Flail Mitral Leaflet in a Population of Patients with Degenerative Mitral Valve Disease**
Noa Zemer Wassercug, Yaron Shapira, Daniel Weisenberg,
Daniel Monakier, Tamir Bental, Alik Sagie, Mordehay Vaturi
Rabin Medical Center, Petach Tikva, Israel
- 09:30 **Prevalence and Echocardiographic Correlations of Tricuspid Regurgitation in patients with Significant Left Ventricular Dysfunction**
Shirit Sara Kazum, Tal Hasin, Tamir Bental, Ran Kornowski,
Yaron Shapira, Mordechai Vaturi, Alexander Sagie
Rabin Medical Center, Petach Tikva, Israel
- 09:45 **Aortic Stenosis in Patients with Hypertrophic Cardiomyopathy**
Daniel Monakier, Adaya Weissler, Yaron Shapira, Mordechai Vaturi, Daniel
Weisenberg, Rami Paz, Ran Kornowski, Alexander Sagie
Beilinson Hospital, Petach Tikva, Israel
- 10:00 **Risk Factors for Functional Tricuspid Regurgitation Progression**
Riham Najjar¹, Salim Adawi^{1,2}, Doron Aronson^{1,3}, Avinoam Shiran^{1,2}
¹Technion - Israel Institute of Technology, IIT, Haifa, Israel
²Lady Davis Carmel Medical Center; ³Rambam Medical Center, Haifa, Israel

Wednesday, April 30, 2014

- 10:15 **The Pressure is On - Or is it off? Diagnosing Pulmonary Hypertension by Echocardiography**
Lawrence Rudski
Jewish General Hospital, McGill University, Montreal, Canada
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- 08:30-10:30 **S5 - Ami Cohen Award - Cardiovascular Surgery** *Hall E*
Chairs: Dani Bitran; Gideon Sahar; Lior Sasson, Israel
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- 08:30 **Sutureless Aortic Valve Replacement - An Alternative Minimal Invasive Approach for Conventional AVR**
Dan Spiegelstein, Amihai Shinfeld, Amjad Shalabi, Alexander Kogan, Shani Levin, Micha S Feinberg, Ehud Raanani
Sheba Medical Center, Ramat Gan, Israel
- 08:45 **Trans-catheter Aortic Valve Implantation: Early and Mid-term Results of Trans-apical, Trans-axillary and Trans-aortic Approaches**
Eyal Nachum, Sunil Lagah, Amit Segev, Amihai Shinfeld, Shani Levin, Ilan Hai, Ashraf Hamdan, Victor Guetta, Ehud Raanani, Dan Spiegelstein
Chaim Sheba Medical Center, Tel Hashomer, Israel
- 09:00 **Surgical Ablation of Atrial Fibrillation: Modified Box Lesion in the Open Left Atrium**
Leonid Sternik, Alexander Kogan, David Luria, Michael Glikson, Shany Levin, Ehud Raanani
Chaim Sheba Medical Center, Tel Hashomer, Israel
- 09:15 **Retroaortic Right Internal Thoracic Artery via the Transverse Sinus: Effects of Patient's Habitus on Circumflex Artery Accessibility**
Oren Lev-Ran, Menachem Matsa, Shlomo Yaron Ishay, Lior Raichel, Dan Avramov, Leonid Roderman, Refaeli Yael, Gideon Sahar
Soroka University Medical Center, Beer-Sheva, Israel
- 09:30 **19-mm Aortic Valve Prostheses: Residual Gradients and Related-Outcome**
Shlomo Yaron Ishay, Oren Lev-Ran, Menachem Matsa, Shlomo Yaron Ishay, Dan Avramov, Lior Raichel, Leonid Roderman, Miri Merkin, Gideon Sahar
Soroka University Medical Center, Beer-Sheva, Israel
- 09:45 **Anaortic Coronary Artery Bypass Graft through a Left Mini-thoracotomy: Comparison between Single and Multi Vessel Coronary Artery Disease**
Massimo Lemma, Monica Contino, Paolo Vanelli, Andrea Mangini, Claudia Romagnoni, Antonietta Dellefave, Claudia Romagnoni, Matteo Munari, Carlo Antona
Luigi Sacco University General Hospital, Milan, Italy

- 10:00 **Left Ventricular Assist Device Implantation and Tricuspid Annuloplasty in Patients with Significant Left and Right Heart Failure**
Barak Ringel¹, Yigal Kassif^{1,2}, Leonid Sternik^{1,2}, Rafael Kuperstein^{1,2},
Dov Freimark^{1,2}, Jacob Lavee^{1,2}
¹Tel Aviv University, Tel Aviv; ²Chaim Sheba Medical Center, Tel Hashomer, Israel
- 10:15 **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, Rozenberg Malka Ora, Amit Korach, Ehud Rudis, Gill Leibowitz,
Oz M. Shapira
Hadassah University Hospital Ein Kerem, Jerusalem, Israel
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- 08:30-10:30 **S6 - Heart Failure and Myocardial and Pericardial Diseases** *Hall F*
Chairs: Offer Amir; Tuvia Ben Gal, Israel
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- 08:30 **CRT Long Term Survival Benefit Persists in Responder Patients with Renal Dysfunction, Despite Worse Overall Prognosis**
Stefan Bogdan, Robert Klempfner, Avi Sabbag, David Luria,
Osnat Gurevitz, David Bar-Lev, Igor Lipchenca, Eyal Nof,
Ilan Goldenberg, Michael Eldar, Michael Glikson, Roy Beinart
Chaim Sheba Medical Center, Tel Hashomer, Israel
- 08:45 **The Predictive Role of Right Ventricular Myocardial Perfusion Pressure in Patients with Chronic Left Heart Failure Complicated by Pulmonary Hypertension**
Robert Dragu, Shmuel Rispler, Haim Hammerman, Doron Aronson
Rambam Health Care Campus, Haifa, Israel
- 09:00 **Left Ventricular Reverse Remodeling in Recent Onset Idiopathic Dilated Cardiomyopathy and Comparison with Peripartum Cardiomyopathy**
Irina Fugenfirov, Liaz Zilberman, Michael Kagansky, Nick Todorovich, Sara Shimoni, Jacob George, Sorel Goland
Kaplan Medical Center, Rehovot, Israel
- 09:15 **Predictors and Outcome of Sustained Improvement in Left Ventricular Function in Dilated Cardiomyopathy**
Ido Blechman, Michael Arad, Tamar Nussbaum, Ilan Goldenberg,
Dov Freimark
Chaim Sheba Medical Center, Tel Hashomer, Israel

- 09:30 **Subsequent Pregnancy in Patients with Acute Heart Failure during Pregnancy with Identifiable Precipitating Factors**
Rafael Kuperstein^{1,2}, Michal Simchen^{1,2}, Yair Frenkel^{1,2}, Dov Freimark^{1,2}, Michael Arad^{1,2}
¹Chaim Sheba Medical Center, Tel Hashomer; ²Tel Aviv University, Tel Aviv, Israel
- 09:45 **Joint Impact of Body Mass Index and Physical Capacity on Mortality in Patients with Systolic Heart Failure**
Barak Zafri^{1,2}, Nabeeh Salman², Offer Amir^{1,2}
¹Lady Davis Carmel Medical Center, Haifa; ²Lin Medical Center, Haifa, Israel
- 10:00 **The Israel Nationwide Heart Failure Survey: Sex Differences in Early and Late Mortality for Hospitalized Heart Failure Patients**
Edward Koifman¹, Robert Klempfner¹, Ilan Goldenberg¹, Ashraf Hamdan¹, Geoffrey Tofler², Eran Kopel¹
¹Chaim Sheba Medical Center, Tel Hashomer, Israel; ²University of Sydney, Sydney, Australia
- 10:15 **Precipitating Factors for Acute Heart Failure Hospitalization and Long Term Survival**
Anat Berkovitch¹, Elad Maor¹, Fernando Chernomordik¹, Avishay Alis³, Yaron Arbel², Ilan Goldenberg^{1,4}, Ehud Grossman², Robert Klempfner^{1,4}
¹Chaim Sheba Medical Center, Tel Hashomer; ²Tel-Aviv Medical Center, Tel-Aviv; ³Meir Medical Center, Kfar Saba; ⁴Tel-Aviv University, Tel-Aviv, Israel
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- 08:30-10:30 **S7 - Pacing and Electrophysiology: Clinical EP Ablations** *Hall G*
Chairs: Michael Geist; Boris Strasberg, Israel
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- 08:30 **Circular Multielectrode Ablation Systems for Atrial Fibrillation Ablation - A Single Center Experience**
Avishag Laish-Farkash, Amos Katz, Evgeny Fishman, Chaim Yosefy, Vladimir Khalameizer
Barzilai Medical Center, Ben Gurion University of the Negev, Ashkelon, Israel
- 08:45 **The Impact of General Anesthesia on Initiation and Stability of VT during Catheter Ablation**
Eyal Nof¹, Tobias Reichlin³, Usha Tedrow², Roy John², Gregory Michaud², Laurence Epstein², William Stevenson²
¹Chaim Sheba Medical Center, Tel Hashomer, Israel; ²Brigham and Womens, Boston, USA; ³University Hospital of Basel, Basel, Switzerland
- 09:00 **Seroma of Cardiac Device Pocket Incidence, Clinical Presentation and Management**
Nemer Samniah, Alla Lubovich, Idit Dobretsky-Mary, Eugeny Radzishevsky, Uri Rosenschein
Bnai-Zion Medical Center, Haifa, Israel

- 09:15 **Atrial Fibrillation Ablation in the Elderly Population: Efficacy and Safety versus Younger Patients**
Avishag Laish-Farkash, Amos Katz, Evgeny Fishman, Boris Brodtkin, Chaim Yosefy, Vladimir Khalameizer
Barzilai Medical Center, Ben Gurion University of the Negev, Ashkelon, Israel
- 09:30 **Which Periprocedural Anticoagulation Regimen is Safer for Right-Heart Catheter Ablation? A Single-center Retrospective Analysis with Long Follow-up**
Alexander Feldman, Nahum Adam Freedberg, Dante Antonelli, Yoav Turgeman
HaEmek Medical Center, Afula, Israel
- 09:45 **A New Stepwise Approach for Ablation of Persistent Atrial Fibrillation using Circular Ablation Catheters**
Avishag Laish-Farkash, Amos Katz, Evgeny Fishman, Iris Cohen, Chaim Yosefy, Vladimir Khalameizer
Barzilai Medical Center, Ben Gurion University of the Negev, Ashkelon, Israel
- 10:00 **Attrition of Sinus Rhythm in Mid-term and Long Follow-up after Surgical Ablation of Atrial Fibrillation**
Leonid Sternik, Alexander Kogan, David Luria, Michael Glikson, Shany Levin, Ehud Raanani
Chaim Sheba Medical Center, Tel-Hashomer, Israel
- 10:15 **Surgical Ablation of Lone Atrial Fibrillation**
Leonid Sternik, Alexander Kogan, David Luria, Michael Glikson, Shany Levin, Ehud Raanani
Chaim Sheba Medical Center, Tel-Hashomer, Israel

08:30-10:30 **S8 - Basic Science** *Hall H*
Chairs: **Jacob George; Moshe Flugelman, Israel**

- 08:30 **TVP1022: A Novel Cardio-protective Drug for the Treatment of Acute Coronary Syndrome (ACS)**
Assaf Malka¹, David Meerkin², Yaron D Barac³, Eytan Malits, Noa Bachner-Hinenzon⁵, Shemy Carasso⁴, Offir Ertracht⁶, Itzchak Angel⁷, Rona Shofti¹, Moussa Youdim⁹, Zaid Abassi¹, Ofer Binah¹
¹*Technion - Israel Institute of Technology, Haifa*; ²*Shaare Zedek Medical Center, Jerusalem*; ³*Rabin Medical Center, Petach Tikva*; ⁴*Rambam Health Care Campus, Haifa*; ⁵*Analyze IT Research Institute, Tuval*; ⁶*Western Galilee Hospital, Nahariya*; ⁷*Angel Pharmaceutical Consulting & Technologies Ltd., Nes Ziona*; ⁸*Abital Pharma Pipeline Ltd, Tel Aviv, Israel*

- 08:45 **Deletion of Wnt Signaling in Macrophages Improves Cardiac Remodeling and Function after MI in Mouse**
Dahlia Palevski^{1,2}, Radka Holbova^{1,2}, Natalie Landa^{1,2}, Natali Molotski^{1,2}, Tamar Ben-Mordechai^{1,2}, Micha S. Feinberg², Richard Lang³, Jonathan Leor^{1,2}
¹Tel-Aviv University, Tel-Aviv; ²Chaim Sheba Medical Center, Tel-Hashomer, Israel; ³Cincinnati Children's Hospital Medical Center Research Foundation, Cincinnati, OH, USA
- 09:00 **Deletion of the Mir-106b~25 MicroRNA Cluster Attenuates Atherosclerosis in ApoE KO Mice by Regulating Plasm Cholesterol Levels**
Jonathan Semo^{1,2}, Adi Zellik¹, Arnon Afek³, Aviv Shaish⁴, Michal Entin-Meer², Gad Keren², Jacob George¹
¹Kaplan Medical Center, Rehovot; ²Tel-Aviv Sourasky Medical Center; ³Tel-Aviv University, Tel-Aviv, ⁴Chaim Sheba Medical Center, Ramat-Gan, Israel
- 09:15 **Regulatory T Cells Influence Blood Flow Recovery in Experimental Hindlimb Ischemia in an IL-10 Dependent Manner**
Rinat Sharir^{1,2}, Jonathan Semo^{1,2}, Aviv Shaish³, Natalie Landa-Rouben³, Michal Entin-Meer¹, Gad Keren¹, Jacob George⁴
¹Tel-Aviv Sourasky Medical Center; ²Tel Aviv University, Tel Aviv; ³Cahim Sheba Medical Center, Tel-Hashomer, Ramat-Gan; ⁴Kaplan Medical Center, Rehovot, Israel
- 09:30 **Cardiomyocytes Derived from Induced Pluripotent Stem Cells Remain Immunoprivileged following Transplantation into Syngeneic Hearts**
Limor Zwi-Dantsis, Aaron Winterstern, Manhal Habib, Rostic Gorbatov, Lior Gepstein
Technion - Israel Institute of Technology, Haifa, Israel
- 09:45 **Development of an Animal Model of Chronic Thromboembolic Pulmonary Hypertension**
David Meerkin¹, Tatyana Weitzman¹, Rachel M. Pachino¹, Rona Shofti²
¹Shaare Zedek Medical Center, Jerusalem; ²Technion - Israel Institute of Technology, Haifa, Israel
- 10:00 **Molecular Genetics of Familial Hypercholesterolemia in Israel - Revisited**
Ronen Durst¹, Ken Ibe², Vardiella Meiner¹, Shoshi Shpitzen¹, Dani Schurr¹, Osnat Eliav¹, Marta Futema², Ross Whittall², Steve Humphries², Eran Leitersdorf¹
¹Hadassah Hebrew University Medical Center, Jerusalem, Israel; ²University College London, London, UK

Wednesday, April 30, 2014

10:15 **Epicardial Shock Wave Therapy Improves Ventricular Function in a Porcine Model of Ischemic Heart Disease**

Johannes Holfeld, Daniel Zimpfer, Karin Albrecht-Schgoer, Alexander Stojadinovic, Patrick Paulus, Julia Dumfarth, Anita Thomas, Daniela Lobenwein, Can Tepeköylü, Raphael Rosenhek, Wolfgang Schaden, Rudolf Kirchmair, Seyedhossein Aharinejad, Michael Grimm
Innsbruck Medical University, Innsbruck, Austria

10:30-11:00 **Coffee Break, Exhibition & E-Posters Visit**

11:00-12:50 **PL1 - Plenary Session - Opening Ceremony**

Halls ABS

Chairs: **Yoseph Rozenman; Amit Segev; Gideon Sahar; Daniel Fink, Israel**

Greetings

Yoseph Rozenman - President, Israel Heart Society

Gideon Sahar - Chairman, Israeli Society of Cardio-Thoracic Surgery

Panos E. Vardas - President, European Society of Cardiology

Patrick T. O'Gara - President, American College of Cardiology

Recognition of the Industry Round Table of the IHS

Awarding of new Honorary Members of the Israel Heart Society:

Prof. Abraham Caspi, Prof. Eli Ovsyshcher, Prof. Dan Tzivoni

Henry Neufeld Awards

11:50 **Neufeld Memorial Lectures:**

A Critical Review of the ESC/EACTS Guidelines on the Management of Valvular Disease Two Years after the Publication

Alec Vahanian

Bichat University Hospital, Paris, France

12:20 **Clinical Research and the Development of Medical Therapeutics**

Elliott Antman

President-Elect, American Heart Association

Brigham and Women's Hospital, Boston, MA, USA

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

12:50-14:50 **Lunch - Annual Business Meeting of the Israeli Society of Cardiothoracic Surgery**

Gallery Hall



12:55-14:45

LS1 - Lunch Session - Sponsored by - Medtronic

Hall D

Place of Minimal Invasive Technologies in Patients Continuum of Care

Chairs: Michael Glikson; Amit Segev, Israel

Optimizing Outcomes for the Endovascular Repair of Type B Dissection

Ian Loftus

St. Georges, London, UK

The Role of Minimally Invasive ICMs in Arrhythmia Diagnosis and Management

Helmut Puererfellner

Elisabethinen Hospital, Linz, Austria

Benefits of Ablation vs. Medication for the Treatment of Atrial Fibrillation

Panos E. Vardas

President, European Society of Cardiology

Heraklion University Hospital, Heraklion, Greece

CoreValve US Pivotal Trial High Risk Study Results

Haim Danenberg

Hadassah Hebrew University Medical Center, Jerusalem, Israel

12:55-14:45

LS2 - Lunch Session - Sponsored by - Pfizer

Hall E

Patient Tailored Approach in Anti-coagulation Treatment - Decision Making in Atrial Fibrillation

Panel discussion:

Arthur Pollak, Hadassah University Hospital, Jerusalem, Israel

Eli Lev, Rabin Medical Center, Petach Tikva, Israel

Doron Netzer, Meir Medical Center, Kfar-Saba, Israel

12:55-14:45	LS3 - Lunch Session - Sponsored by - AstraZeneca Novel Antiplatelet Agents for the Treatment of STEMI Patients Chair: Eugenia Nikolsky, Israel	Hall F
	The Effect of Ticagrelor in ACS – Platelet and Non Platelet Dependent Mechanisms Doron Zahger <i>Soroka Medical Center Beer Sheva, Israel</i>	
	Why do I Use Ticagrelor in STEMI Patients Elad Asher <i>Sheba Medical Center Ramat Gan, Israel</i>	
	Panel Discussion: Giora Weisz, <i>Shaare Zedek, Jerusalem, Israel</i> Ronen Rubinshtein, <i>Carmel Medical Center, Haifa, Israel</i> Zaza Iakobishvili, <i>Rabin Medical Center, Kampus Beilinson, Petach Tikva, Israel</i>	
14:50-16:45	PL2 - Plenary Joint Session: American College of Cardiology - Israel Heart Society Chairs: Patrick T. O’Gara, USA; Yoseph Rozenman; Amit Segev, Israel	Halls ABC
14:50	25 Years of Endothelial Studies in Humans: Where We have been and Where We are Heading Peter Ganz <i>San Francisco General Hospital, San Francisco, CA, USA</i>	
15:10	The Challenge of Low Flow Low Gradient Aortic Stenosis Patrick T. O’Gara <i>President, American College of Cardiology Brigham and Women’s Hospital, Boston, MA, USA</i>	
15:30	The Digital Revolution in Cardiology John G. Harold <i>Immediate Past President, American College of Cardiology Cedars-Sinai Medical Center, Los Angeles, FL, USA</i>	
15:50	Therapeutic Options in Patients with Refractory Angina Shmuel Banai <i>Tel-Aviv Sourasky Medical Center, Tel-Aviv, Israel</i>	
16:10	Optimizing Antiplatelet Therapy in Diabetes Mellitus Dominick J. Angiolillo <i>University of Florida, College of Medicine, Jacksonville, FL, USA</i>	
16:30	Q & A	
16:45-17:00	Coffee Break, Exhibition & E-Posters Visit	

17:00-18:30 Parallel Sessions S9-S16

17:00-18:30 **S9 - Intensive Cardiac Care: Clinical Aspects of Acute Myocardial Infarction** Hall A

Chairs: Shaul Atar; Majdi Halabi, Israel

17:00 **Type 2 Myocardial Infarction: A Descriptive Analysis and Comparison with Type 1 Myocardial Infarction**

Uri Landes, Tamir Bental, Katia Orvin, Hana Vaknin-Assa, Eldad Rechavia, Zaza Iakobishvili, Eli Lev, Abid Assali, Ran Kornowski
Rabin Medical Center, Petah-Tikva, Israel

17:15 **Impact of Early Coronary Angiography on Outcomes of Patients with Acute Coronary Syndrome and Baseline Anemia: Analysis from the ACSIS Registry**

Doron Sudarsky¹, Merav Sudarsky², Shlomi Matezky^{3,4}, Ilan Goldenberg^{3,4}, Natalie Gavrielov-Yusim⁴, Eugenia Nikolsky⁵
¹*Ha'Emek Medical Center, Afula*; ²*Clalit Health Services, Haifa and Western Galilee District*; ³*Chaim Sheba Medical Center, Tel Hashomer*; ⁴*Sackler School of Medicine, Tel-Aviv University, Tel-Aviv*; ⁵*Rambam Health Care Campus, Haifa, Israel*

17:30 **Prior Clopidogrel Therapy in Patients Presenting Acute Coronary Syndromes (ACS) is Associated with Increase Risk of Stent Thrombosis**

Elad Asher, Paul Fefer, Edward Koifman, Yitsik Biton, Avi Sabbag, Romana Herscovici, Elad Maor, Noam Fink, Shlomi Matetzky
Leviv Heart Center, Ramat Gan, Israel

17:45 **Response to Ticagrelor and Reticulated Platelets in Patient with Non - ST Elevation Myocardial Infarction**

Noa Zemer Wassercug¹, Eldad Rechavia¹, Hila Lerman Shivek², Leor Perl¹, Dorit Leshem-Lev¹, Katia Orvin¹, Ran Kornowski¹, Eli I. Lev¹
¹*Rabin Medical Center, Petach Tikva*; ²*The Hebrew University of Jerusalem, Jerusalem, Israel*

18:00 **Serum Potassium Levels and Long-term Post-discharge Mortality in Acute Myocardial Infarction**

Arthur Shiyovich¹, Harel Gilutz^{2,3}, Ygal Plakht^{3,4}
¹*Beilinson Hospital, Rabin Medical Center, Petach Tikva*; ²*Soroka University Medical Center, Beer Sheva*; ³*Ben-Gurion University of the Negev*; ⁴*Unit of Nursing Research, Beer Sheva, Israel*

18:15 **Gender Differences in Left Ventricular Function Following Anterior ST Segment Elevation Myocardial Infarction**

Adaya Weissler Snir, Avital Porter, Ran Kornowski, Hana Vaknin-Assa, Leor Perl, Orna Bekhor Valzer, Eli Lev, Hadas Ofek, Abid Assali
Rabin Medical Center, Petach-Tikva, Israel

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- 17:00-18:30 **S10 - Rehabilitation, Epidemiology, Prevention and Pharmacotherapy** *Hall B*
Chairs: Michael Schechter; Simcha Rosenblat, Israel
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- 17:00 **Metabolic Syndrome is Associated with Differential Effect on Long Term Mortality in Acute and non-Acute Coronary Patients Undergoing Coronary Angiography**
Yaron Arbel, Amir Halkin, Miri Revivo, Shlomo Berliner, Itzhak Herz, Ofer Havakuk, Assi Milwidsky, Gad Keren, Ariel Finkelstein, Shmuel Banai
Tel Aviv Medical Center, Tel Aviv, Israel
- 17:15 **Impaired Fasting Plasma Glucose is a Risk Factor for Cardiovascular Fitness Deterioration among Middle Age Healthy 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, Israel
- 17:30 **Abdominal Fat Distribution and Cardiorespiratory Fitness in Type 2 Diabetics: 5 Year Outcome Predictors**
Barak Zafir¹, Alla Khashper², Tamar Gaspar¹, Idit Dobrecky-Mery³, Mali Azencot¹, Ronen Rubinshtein¹, David Halon¹
¹*Lady Davis Carmel Medical Center, Haifa, Israel;* ²*McGill University Health Centre, Montreal, Quebec, Canada;* ³*Bnei Zion Medical Center, Haifa, Israel*
- 17:45 **HbA1c Levels are Associated with Long Term Mortality Rates in Patients Undergoing Coronary Angiography**
Ofer Havakuk, Shmuel Banai, Amir Halkin, Miri Revivo, Maayan Konigstein, Eyal Ben Assa, Gad Keren, Ariel Finkelstein, Yaron Arbel
Tel Aviv Medical Center, affiliated to the Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel
- 18:00 **Mortality and Coronary Disease in Women with Fasting Glucose Levels within the Normal Range**
David Pereg, Yoram Neuman, Morris Mosseri, Doron Hermoni
Meir Medical Center, Kfar Saba, Israel
- 18:15 **Prevalence of Carotid Artery Disease in Patients with Symptomatic Coronary Artery Disease**
Shirit Sara Kazum, Ilana Kedmi, Alejandro Solodky, Eli I Lev, Leor Perl, Zaza Iakobishvili, Ran Kornowski, Aviv Mager
Rabin Medical Center, Petach Tikva, Israel

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- 17:00-18:30 **S11 - Interventional Cardiology: TAVI2** Hall C
Chairs: **Chaim Lotan; Victor Guetta, Israel**
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- 17:00 **Coronary Obstruction following Transcatheter Aortic Valve Implantation: The Israeli Experience**
Amir Orlev¹, Ran Kornowski², Arik Finkelstein³, Arthur Kerner⁴,
Nader Khader⁴, Ronen Jaffe⁵, Dan Gilon¹, Haim Danenberg¹
¹*Hadassah-Hebrew University Medical Center, Jerusalem;* ²*Rabin Medical Center, Petah-Tikva;* ³*Tel Aviv Medical Center, Tel-Aviv;* ⁴*Rambam Medical Center;* ⁵*Lady Davis Carmel Medical Center, Haifa, Israel*
- 17:13 **Independently of Hemoglobin Drop or Bleeding Events, Blood Transfusion is Strongly associated with Increased Mortality Following TAVI**
Maayan Konigstein, Ofer Havakuk, Yaron Arbel, Eyal Ben-Assa,
Yigal Abramowitz, Eran Leshem-Rubinow, Gad Keren, Ariel Finkelstein,
Shmuel Banai
The Tel Aviv Medical Center, Tel Aviv, Israel
- 17:26 **Platelet Reactivity Study in Patients Undergoing Transcatheter Aortic Valve Implantation**
Katia Orvin, Leor Perl, Noa Zemer-Wassercug, Pablo Codner, Abid Assali,
Hana Vaknin-Assa, Eli Lev, Ran Kornowski
Rabin Medical Center, Petach Tikva, Israel
- 17:39 **Past Pacemaker Implantation Reduces Peri-procedural Complications and Hospital Stay Following TAVI**
Gidon Perlman, Shimon Rosenheck, David Planer, Chaim Lotan,
Haim Danenberg
Hadasah Medical Center, Jerusalem, Israel
- 17:52 **Body Mass Index and Outcome in Patients Undergoing Transcatheter Aortic Valve Implantation**
Maayan Konigstein, Yaron Arbel, Ariel Finkelstein, Ofer Havakuk,
Eyal Ben-Assa, Yigal Abramowitz, Amir Halkin, Gad Keren, Shmuel Banai
Tel Aviv Medical Center, Tel Aviv, Israel
- 18:05 **A Comparative Analysis of Women vs. Men Following TAVI**
Pablo Codner, Abid Assali, Hana Vaknin-Assa, Katia Orvin,
Gabriel Greenberg, Marina Kupershmidt, Leor Perl, Nurit Shor, Moti Vaturi,
Yaron Shapira, Alexander Sagie, Ran Kornowski
Rabin Medical Center & Sackler Faculty of Medicine Tel Aviv University, Petach Tikva, Israel

- 18:18 **Transcatheter Aortic Valve Implantation: A Single Center Comparison between CoreValve and Edward SAPIEN Bioprostheses**
Eyal Ben-Assa, Yigal Abramowitz, Eran Leshem-Rubinow, Ofer Havakuk, Maayan Konigstein, Arie Steinvil, Lorin Arie Schwartz, Lior Yankelson, Yaron Arbel, Amir Halkin, Gad Keren, Shmuel Banai, Ariel Finkelstein
Tel Aviv Medical Center, affiliated to the Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel
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- 17:00-18:30 **S12 - Pacing and Electrophysiology: Clinical Pacing** *Hall D*
Chairs: Moti Haim; Alon Barsheshet, Israel
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- 17:00 **The Relationship between Age and Inappropriate Implantable Cardioverter Defibrillator Therapy in MADIT-RIT (Multicenter Automatic Defibrillator Implantation Trial-Reduce Inappropriate Therapy)**
Alon Barsheshet^{1,2}, Ilan Goldenberg^{2,3}, Arthur J. Moss², Valentina Kutiyfa², Scott McNitt², Boris Strasberg¹, Wojciech Zareba², David T. Huang²
¹*Rabin Medical Center, Petach Tikva, Israel*; ²*University of Rochester Medical Center, Rochester, NY, USA*; ³*Chaim Sheba Medical Center, Tel Hashomer, Israel*
- 17:15 **Very Low Rate of Appropriate Shock Therapy in Primary Prevention Patients who Receive an Implantable Cardioverter Defibrillator in a Real World Setting**
Avi Sabbag¹, Roy Beinart¹, Mahmoud Suleiman², Ilan Goldenberg¹, Michael Glikson¹
¹*Chaim Sheba Medical Center, Tel Hashomer*; ²*Rambam Health Care Campus, Haifa, Israel*
- 17:30 **Benefit of Cardiac Resynchronization Therapy in Patients without History of Advanced Heart Failure Symptoms in MADIT-CRT**
Romana Herscovici¹, Arthur J Moss², Valentina Kutiyfa², Alon Barsheshet², Scott McNitt², Wojciech Zareba², Ilan Goldenberg^{1,2}
¹*Sheba Medical Center, Ramat-Gan, Israel*; ²*University of Rochester Medical Center, Rochester, NY, USA*
- 17:45 **Results of Surgical Ablation of Atrial Fibrillation in Paroxysmal, Persistent and Long-standing Persistent Cases**
Leonid Sternik, Alexander Kogan, David Luria, Michael Glikson, Shany Levin, Ehud Raanani
Chaim Sheba Medical Center, Tel Hashomer, Israel

- 18:00 **Effectiveness of the TopClosure® System in Prevention and Management of Hematoma following Implantation of Cardiovascular Electronic Devices in Patients Prone to Bleeding**
Mark Kazatsker¹, Guy Topaz², Narin Carmel², Rinat Malka¹, Avraham Shotan¹, Moris Topaz¹
¹Hillel Yaffe Medical Center, Hadera; ²Tel Aviv University, Tel Aviv, Israel
- 18:15 **Ethnic Disparities in Cardiac Resynchronization Therapy Use among Israeli Patients**
Avi Sabbag¹, Mahmoud Sulleiman, Stephan Bogdan¹, Moti Haim², Valadimir Kchlmyzer³, Ilan Goldenberg¹, Michel Glikson¹, Roy Beinart¹
¹Chaim Sheba Medical Center, Tel Hashomer; ²Rabin Medical Center, Petach Tikva; ³Barzilai Medical Center, Askelon, Israel
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- 17:00-18:30 **S13-Cardiovascular Surgery** **Hall E**
Chairs: Erez Sharoni; Yanai Ben Gal, Israel
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- 17:00 **Wrapping Tape Operation in Surgical Treatment of Ascending Aorta's Aneurysm**
Leonid Sytar, Volodymyr Popov, Oleksandr Bolshak, Gennady Knyshov
National Amosov's Institute of Cardiovascular Surgery, Kyiv, Ukraine
- 17:15 **Tricuspid Valve Pericardial Leaflet Augmentation to Treat Severe Valve Tethering**
Boris Orlov, Hilit Cohen, Alexander Kogan, Micha Feinberg, Ehud Raanani
Sheba Medical Center, Ramat Gan, Israel
- 17:30 **Bilateral Internal Thoracic Artery Grafting in Female Patients with Body Mass Index 30 kg/m² or More: Should it be Avoided?**
Lior Raichel, Oren Lev-Ran, Menachem Matsa, Dan Avramov, Shlomo Yaron Ishay, Leonid Roderman, Yael Refaeli, Gideon Sahar
Soroka University Medical Center, Beer-Sheva, Israel
- 17:45 **Single Dose Cold Crystalloid Cardioplegia for Mitral Surgery: Initial Experience**
Daniel Fink, Ofer Merin, Atia Alshusha, Rachel Tauber, Dani Bitran, Shuli Silberman
Shaare Zedek Medical Center, Jerusalem, Israel
- 18:00 **Induction of Cell-free DNA during Cardiac Surgery with Cardiopulmonary Bypass**
Shlomo Yaron Ishay, Tal Fortgang, Menachem Matsa, Oren Lev-Ran, Dan Avramov, Lior Raichel, Leonid Roderman, Amos Douvdevani, Gideon Sahar
Soroka University Medical Center, Ben-Gurion University, Beer-Sheva, Israel

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- 17:00-18:30 **S14 - Heart Failure/ Myocardial/Pericardial Diseases:
Non Invasive Monitoring in Heart Failure** *Hall F*
Chairs: Zvi Vered; Avraham Shotan, Israel
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- 17:00 **The New Generation Noninvasive Lung Impedance Monitoring - A
Reliable Method to Reduce Cardiovascular Re-hospitalizations and
Improve Outcome in Chronic Heart Failure Patients**
Michael Shochat, Avraham Shotan, Mark Kazatsker, Aya Asif,
Aaron Frimerman, David Blondheim, Lubov Vasilenko, Elena Noyman,
Iris Dahan, Ilia Shochat, Simcha Meisel
Hillel Yaffe Medical Center, Hadera, Israel
- 17:15 **Novel Noninvasive Direct Lung Water Measurement using KYMA
mCor Technology in CHF: A First in Man Clinical Validation
Comparison Study Using Invasive Hemodynamic and "Gold Standard"
Extravascular Lung Water Determination**
Michael Jonas, Asaph Nini, Galia Karp, Nimrod Adi
Kaplan Medical Center, Rehovot, Israel
- 17:30 **Monitoring and Treating Heart Failure Patients Using Noble
Technology of Electromagnetic Signals; Do We Have The Holy Grail for
Reducing Heart Failure Readmissions?**
Offer Amir¹, Dan Rappaport², Aharon Abbo², Nabia Salman¹,
Oleg Pachterski³, Adi Orbach³, Lena Rosenblum³, Jean Marc Weinstein⁵,
Tuvia Ben Gal⁴
*¹Poriya Medical Center, Tiberius;²Technologies, Netanya;³Lady Davis Carmel
& Lin Medical Centers, Haifa; ⁴Rabin Medical Center, Sackler Faculty of
Medicine, Petach Tikva; ⁵Soroka Medical Center, Beer Sheva, Israel*
- 17:45 **Non-invasive Heart Failure Monitoring by Quantifying the Chest Wall
Dynamic**
Shmuel Rispler^{1,2}, Yakov Tsibulsky², Haim Hammerman^{1,2}, Amir Landesberg²
*¹Rambam Health Care Campus; ²Technion - Israel Institute of Technology,
Haifa, Israel*
- 18:00 **Temporal Changes in Electrocardiographic Frontal QRS-T Angle and
Survival in Patients with Heart Failure**
Israel Gotsman, Ayelet Shauer, Donna R. Zwas, Chaim Lotan, Andre Keren
Hadassah University Hospital, Jerusalem, Israel
- 18:15 **Tricuspid Annular Plane Systolic Excursion Predicts Lower
Performance at Six Minute Walking Test in Patients with Heart Failure**
Giuseppe Caminiti, Maurizio Volterrani, Jeganath Murugesan,
Pasquale Baratta, Valentino D'Antoni, Riccardo Giorgi, Roberto Di Carlo,
Giuseppe Rosano
San Raffaele IRCCS, Rome, Italy

- 17:00-18:30 **S15 - Cardiac Imaging** Hall G
Chairs: Pierre Chouraqui; Ashraf Hamdan, Israel
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- 17:00 **Does Coronary Artery Calcium Score, Segmental Extent of Atheroma or Luminal Stenosis Best Predict Long Term (8 Year) Outcome following 64-Slice Coronary Computed Tomography Angiography?**
Sagi Shprits, David A. Halon, Tamar Gaspar, Nathan Peled, Basil S. Lewis, Ronen Rubinshtein
Lady Davis Carmel Medical Center, Haifa, Israel
- 17:15 **Prognostic Value of Left Ventricular Dyssynchrony by Myocardial Perfusion Gated SPECT in Patients with Normal and Abnormal Left Ventricular Function**
Nili Zafrir, Roman Nevzorov, Tamir Bental, Yosef Hasid, Doron Belzer, Boris Strasberg, Ariel Gutstein, Israel Mats, Ran Kornowski, Alejandro Solodky
Beilinson, Rabin Medical Center, Petach Tikva, Israel
- 17:30 **Novel Approach for Myocardial Perfusion Assessment by CCTA - Feasibility Study**
Arik Wolak¹, Aryeh Shalev¹, Yoash Chassidim², Haim Shmilovitch³, Ilan Shelef¹, Galit Aviram³
¹*Soroka University Medical Center*; ²*Ben Gurion University of the Negev, Beer-Sheva*; ³*Tel Aviv Sourasky Medical Center, Tel Aviv, Israel*
- 17:45 **DIRECT Comparison of Coronary MR and CT Angiography for Prediction of Cardiovascular Events - A Long-term Follow-up Study**
Ashraf Hamdan¹, Adelina Doltra², Alexander Huppertz³, Ernst Wellnhofer², Eckart Fleck², Sebastian Kelle²
¹*Chaim Sheba Medical Center, Ramat Gan, Israel*; ²*German Heart Institute*; ³*Charité, Berlin, Germany*
- 18:00 **Yield of Diagnosis and Prediction of Patients Undergoing Both Stress Echocardiography and Stress Myocardial Perfusion Imaging**
Nili Zafrir, Tamir Bental, Shirit Kazum, Alexander Sagie, Ariel Gutstein, Alejandro Solodky, Israel Mats, Ran Kornowski
Rabin Medical Center, Petach Tikva, Israel

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- 17:00-18:30 **S16 - Jan J. Kellerman Young Investigator Cardiology Award** *Hall H*
Chairs: Joseph Shemesh; Jonathan Leor, Israel
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- 17:00 **Exercise Hemodynamics May Enhance Diagnosis of Diastolic Dysfunction among Patients with Pulmonary Hypertension**
Elad Maor¹, Yoni Grossman¹, Ronen Balmor¹, Michael Segal^{1,2}, Paul Fefer^{1,2}, Sagit Ben-Zekry^{1,2}, Yonathan Buber¹, Elio DiSegni^{1,2}, Issahar Ben-Dov^{1,2}, Amit Segev^{1,2}
¹Sheba Medical Center, Ramat-Gan; ²Tel-Aviv University, Tel-Aviv, Israel
- 17:15 **Optogenetics for *in vivo* Cardiac Pacing and Resynchronization**
Udi Nussinovitch, Lior Gepstein
Technion Institute of Technology, Haifa, Israel
- 17:30 **VViral-delivered Gene Therapy for Treatment of CPVT**
Efrat Kurtzwalld-Josefson^{1,2}, Edith Hochauser², Shiraz Khun¹, Asher Shainberg³, Dan Aravot², Michael Eldar¹, Michael Arad¹
¹Sheba Medical Center, Tel Hashomer; ²Tel Aviv University, Petach Tikva; ³Bar-Ilan University, Ramat-Gan, Israel
- 17:45 **Novel Transgenic Fluorescent-based High-throughput Functional Assays in Human induced Pluripotent Stem Cell Derived Cardiomyocytes Carrying Long QT Syndrome**
Rami Shinnawi, Irit Huber, Leonid Maizels, Amira Gepstein, Gil Arbel, Lior Gepstein
Technion - Israel Institute of Technology, Haifa, Israel
- 18:00 **Adolescence Obesity Halts the Natural Increase of Life Expectancy: A Study of 2.16 Million Teenagers**
Gilad Twig^{1,2}, Arnon Afek^{1,3}, Ari Shamiss^{1,3}, Estela Derazne^{2,3}, Landau Rabbj^{2,3}, Dorit Tzur², Barak Gordon^{2,3}, Amir Tirosh^{1,4}
¹The Chaim Sheba Medical Center, Tel-Hashomer; ²The Israel Defense Forces; ³Tel-Aviv University, Tel-Aviv, Israel; ⁴Brigham and Women's Hospital and Harvard School of Public Health, Boston, Massachusetts, USA
- 18:15 **Interleukin 13 Receptor $\alpha 1$ Regulates the Development of Metabolic Syndrome and Cardiomyopathy in Mice**
Uri Amit^{1,2}, David Kain^{1,2}, Natalie Landa^{1,2}, Natalie Molotski^{1,2}, Ariel Munitz³, Micha Feinberg^{1,2}, Jonathan Leor^{1,2}
¹Tel-Aviv University, Tel-Aviv; ²Chaim Sheba Medical Center, Tel Hashomer, Ramat Gan; ³Tel-Aviv University, Tel-Aviv, Israel