

THE 65TH ANNUAL CONFERENCE OF THE ISRAEL HEART SOCIETY

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IN ASSOCIATION WITH THE ISRAEL SOCIETY OF CARDIOTHORACIC SURGERY

Under The Auspices Of The ISRAEL CARDIOLOGY ASSOCIATION



האיגוד הישראלי לכירורגיה לב חזה
THE ISRAEL SOCIETY OF CARDIOTHORACIC SURGERY

עמותת הקרדיולוגיה בישראל (ע"ר)
ISRAEL CARDIOLOGY ASSOCIATION



האיגוד הקרדיולוגי בישראל
ISRAEL HEART SOCIETY



David Inter-Continental Hotel, Tel Aviv, Israel

April 24-25, 2018

SCIENTIFIC PROGRAM



Paragon Israel (Dan Knassim)

Tel/Fax: 03-5767705/37, secretariat@israelheart.com

07:00	Registration
06:45-07:45	Cardiothoracic Surgery Workshop
06:45-07:45	CT residents breakfast with Dr Gillinov
08:00-10:00	S1 - Interventional Cardiology: Coronary Interventions Chairs: Yoav Turgeman, Victor Guetta, Israel HEB Hall A - Tel Aviv
08:00	Temporal Trends in the Use of the Radial Approach in a Large Tertiary Center - More is Better <u>Tamir Bental</u> ^{1,2} , Gavriel Greenberg ^{1,2} , Hannah Vaknin-Assa ^{1,2} , Abid Assali ^{1,2} , Ran Kornowski ^{1,2} ¹ Department of Cardiology, Rabin Medical Center, Israel ² Sackler School of Medicine, Tel-Aviv University, Israel
08:10	Comparison of the Efficacy and Safety of Orbital and Rotational Atherectomy in Calcified Narrowings in Patients Undergoing Percutaneous Coronary Intervention Hector Garcia-Garcia ¹ , Edward Koifman ^{1,2} , Kayode Kuku ¹ , Alex Kajita ¹ , Kyle Buchanan ¹ , Arie Steinvil ¹ , Toby Rogers ¹ , Nelson Bernardo ¹ , Robert Lager ¹ , Robert Gallino ¹ , Itsik Ben-Dor ¹ , Augusto Pichard ¹ , Rebecca Torguson ¹ , Jiaxiang Gai ¹ , Lowell Satler ¹ , Ron Waksman ¹ ¹ Cardiology, MedStar Washington Hospital Center, Georgetown University, DC, USA ² Cardiology, Soroka Medical Center, Ben-Gurion University of The Negev, Israel
08:20	Temporal Trends in Percutaneous Coronary Interventions - Is There a Difference Between Genders? <u>Yeela Talmor-Barkan</u> ^{1,2} , Tamir Bental ^{1,2} , Abid Assali ^{1,2} , Hana Vaknin-Assa ^{1,2} , Gabriel Greenberg ^{1,2} , Alon Eisen ^{1,2} , Abed Samara ^{1,2} , Pablo Codner ^{1,2} , Leor Perl ^{1,2} , Guy Witberg ^{1,2} , Avital Porter ^{1,2} , Ran Kornowski ^{1,2} ¹ Department of Cardiology, Rabin Medical Center, Israel ² Sackler School of Medicine, Tel-Aviv University, Israel
08:30	Outcome and Safety of Concurrent Coronary and Peripheral Catheterization (REV-PERICAD Study) <u>Ofir Koren</u> ^{1,3} , Rasha Abu Rajab Saaida ² , Ehud Rozner ¹ , Menachem Nahir ¹ , Alexander Feldman ¹ , Limor Ilan Bushari ¹ , Yoav Turgeman ^{1,3} ¹ Heart Institute, Emek Medical Center, Israel ² Internal Medicine B, Emek Medical Center, Israel ³ Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Israel



- 08:40** **Long Term Follow-up of Patients with Coronary Artery Ectasia**
Dan Haberman, Tomer Perry, Gal Sela, Gera Gandelman, Igor Volodarsky,
 Michael Jonas, Jacob Geroge, lion Poles
Department of Cardiology, Kaplan Medical Center, Israel
- 08:50** **The Clinical and Prognostic Significance of Diabetic Nephropathy in Diabetic Patients Undergoing Coronary Angiography**
Nicholay Teodorovich¹, Michael Sraia Swissa², Yonatan Kogan¹,
 Gera Gandelman¹, Michael Jonas¹, Jacob George¹, Moshe Swissa¹
¹*Cardiology, Kaplan Medical Center, Israel*
²*School of Medicine, Bar Ilan University, Israel*
- 09:00** **Bifurcation Lesions in ST-Segment Elevation Myocardial Infarction (STEMI): The Double Stent Technique: Is it Still a Risk Factor for Stent Thrombosis (ST)?**
Gabriel Greenberg¹, Ran Kornowski¹, Hana Vaknin Assa¹, Tamir Bental¹, Eli Lev²,
 Abid Samara¹, Lior Perl¹, Pablo Codner¹, Abid Assali¹
¹*Cardiology, Rabin Medical Center, Israel*
²*Cardiology, Assuta, Israel*
- 09:10** **Primary Coronary Intervention in Octogenarians with ST-Segment Elevation Myocardial Infarction**
Leor Perl, Ran Kornowski, Hana Vaknin-Assa, Gabriel Greenberg, Abed Samara,
 Pablo Codner, Guy Witberg, Avital Porter, Abid Assali
Cardiology, Rabin Medical Center, Israel
- 09:20** **Evaluation of the LUCAS™ Chest Compression System for Automatic Mechanical Compression and Decompression Resuscitation in the Catheterization Laboratory – Report of a Ten Years’ Experience**
Anees Musallam
Cardiology, Rambam Health Care Campus, Israel
- 09:30** **Long-Term Outcomes of Staged Non-Culprit Lesions Percutaneous Coronary Intervention for Multivessel Disease in Patients Presenting with ST-segment Elevation Myocardial Infarction**
Tatyana Levinas, Irena Nordkin, Valentin Belinson, Inna Rosenfeld, Majdi Halabi
Cardiology, Ziv Medical Center, Israel
- 09:40** **Developing Primary Percutaneous Coronary Intervention- In Region In Need and Capable Hospital**
Dahud Qarawani, Hellou Elias, Akram Abu Aful, Mohamed Umary
Cardiovascular Department Nazareth, Bar Ilan University, Galille ALILLE, Israel



09:50 Initial Use of the Impella Heart Pump in Israel: Single Center Experience for Safety and 30-Day Outcome

Meir Tabi, Yaron Almagor, Jonathan Balkin, Rami Jubeh, David Rosenmann, Rivka Farkash, Ofra Tzuntz, Rafael Wolff
Cardiology, Shaare Zedek Medical Center, Israel

08:00-10:00 S2 - Heart Failure: Advanced Therapy and Prognosis

Chairs: **Tal Hasin, Israel Gotsman, Israel**

HEB Hall B - Petah Tikva

08:00 Adherence to Self-Care Behaviors after Left Ventricular Assist Device Implantation

Benjamin Ben Avraham¹, Naoko P Kato², Tiny Jaarsma², Victoria Yaari¹, Miriam Abu-Hazeira¹, Dimitry Golobov¹, Anna Strömberg², Tuvia Ben Gal¹

¹*Heart Failure Unit, Cardiology Department, "Rabin" Medical Center, Sackler School of Medicine, Tel Aviv University, Israel*

²*Department of Social and Welfare Studies, Faculty of Health Sciences, Linköping University, Linköping, Sweden*

08:10 Fully Magnetically Levitated Centrifugal Flow HeartMate 3 Left Ventricular Assist Device – Improved Performance Compared to Previous Axial Flow Device

Eyal Nachum¹, Avishay Grupper², Yigal Kassif¹, Yedida Shemesh¹, Alex Kogan¹, Leonid Sternik¹, Alex Lippey¹, Sergey Preisman³, Dov Freimark², Jacob Lavee¹

¹*Heart Transplantation Unit, Department of Cardiac Surgery, Leviev Heart Center, Chaim Sheba Medical Center, Tel-Hashomer, Affiliated to the Sackler School of Medicine, Tel Aviv University, Israel*

²*Department of Cardiology, Leviev Heart Center, Chaim Sheba Medical Center, Tel-Hashomer, Affiliated to the Sackler School of Medicine, Tel Aviv University, Israel*

³*Department of Anesthesiology, Chaim Sheba Medical Center, Tel-Hashomer, Affiliated to the Sackler School of Medicine, Tel Aviv University, Israel*

08:20 Otreotide for the Management of Gastrointestinal Bleeding in Patients with Continuous-Flow Left Ventricular Assist Device

Avishay Grupper, Eyal Ran Nachum, Yigal Kassif, Yedida Shemesh, Alex Kogan, Dov Freimark, Jacob Lavee

Leviev Heart Center, Sheba Medical Center, Israel



- 08:30** **Ethnic Disparity in Israel Impacts Long-Term Results After Heart Transplantation**
Yael Peled, Ron Loewenthal, Younis Arwas, Itai Gueta, Yigal Kassif, Yedael Har-Zahav, Eyal Nachum, Dov Freimark, Ilan Goldenberg, Jacob Lavee *Olga and Lev Leviev Heart Center, Sheba Medical Center, Ramat Gan, Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel, Israel*
- 08:40** **Long-Term Use of Intravenous Inotropes in Ambulatory Heart Failure Patients – A Contemporary Study in 3,278 Patients**
Ofar Havakuk^{1,2}, Jeffery Tran², Luanda Grazette²
¹*Cardiology, Tel Aviv Medical Center, Israel*
²*Cardiology, Keck School of Medicine, California, USA*
- 08:50** **The Risk of Ischemic Stroke Following Hospitalization for Acute Heart Failure Among Patients with Atrial Fibrillation**
Anat Berkovitch, Israel Mazin, Arwa Younis, Eyal Nof, Robert Klempfner, Ella Shaviv, Nir Shlomo, Ilan Goldenberg, Roy Beinart
Leviev Heart Center, Sheba Medical Center, Israel
- 09:00** **Management in a Dedicated Heart Failure Clinic Is Associated With Improved Over-All Survival**
Daniel Murninkas¹, David Hasdai², Henry Jino¹, Esther Yuhananov¹, Shlomo Birkenfeld¹, Zaza Jakobishvili¹
¹*Tel-Aviv-Jaffa District, Clalit Health Services, Israel*
²*Department of Cardiology, Rabin Medical Center, Petah-Tikva, Israel*
- 09:10** **Improved Survival of Patients Hospitalized with Decompensated Heart Failure**
Tal Hasin¹, Tatyana Weitsman¹, Chen Harush¹, Rivka Farkash¹, Yariv Gerber², Marc Klutstein¹, Michael Glikson¹
¹*Integrated Heart Center, Shaare Zedek Medical Center, Israel*
²*Department of Epidemiology and Preventive Medicine, School of Public Health, Sackler Faculty of Medicine, Tel Aviv University, Israel*
- 09:20** **Characteristics and Long-Term Outcomes of Patients with Reduced, Mid-Range, and Preserved Ejection Fraction Following Hospitalization for Acute Heart Failure in a Contemporary Real World Setting**
Israel Mazin¹, Dov Friemark¹, Michael Arad¹, Yael Peled¹, Avishay Gruper¹, Nir Shlomo², Robert Klempfner², Rafael Kuperstein³, Ilan Goldenberg²
¹*Heart Failure Clinic, Sheba Medical Center, Israel*
²*Cardiology Department, Sheba Medical Center, Israel*
³*Non Invasive Cardiology Unit, Sheba Medical Center, Israel*



- 09:30 Norton Admission Scale as a Prognostic Factor Among Acute Heart Failure Patients**
Sharon Shalom Natanzon, Robert Klempfner, Ilan Goldenberg, Ella Shaviv, Yael Peled, Eias Massalha, Nir Shlomo, Israel Mazin
Cardiology, Leviev Heart Center, Sheba Medical Center, Israel
- 09:40 Low Serum Albumin: An Important Predictor of Increased Mortality and Cardiac Related Hospitalizations in Patients with Heart Failure**
Israel Gotsman^{1,2}, Ayelet Shauer¹, Donna R. Zwas^{1,2}, Chaim Lotan¹, Andre Keren^{1,2}
¹*Heart Institute, Hadassah University Hospital, Israel*
²*Heart Failure Center, Clalit Health Services, Israel*
- 09:50 New-Onset (De-Novo) Acute Heart Failure Versus Acute Decompensated Chronic Heart Failure: Differences in Early Intermediate and Long-Term Mortality**
Anan Younis, Robert Klempfner, Ronen Goldkorn, Yael Peled, Michael Arad, Dov Freimark, Ilan Goldenberg
Cardiology, The Leviev Heart Center, Sheba Medical Center, Tel Hashomer and Sakler School of Medicine, Tel Aviv University, Israel

08:00-10:00 S3 - Intervention in Arrhythmia Management
 Chairs: **Michael Glikson, Raphael Rosso, Israel** **HEB** Hall C - Holon

- 08:00 Extracorporeal Membrane Oxygenation (ECMO) for Hemodynamic Support during Ventricular Tachycardia Ablation: Sheba Medical Center Experience**
Alexander Kogan, Elchanan Zuroff¹, Eyal Nof², Yigal Kassif¹, Roy Beinart², Yaron Schwartz¹, Jacob Lavee¹, Ehud Raanani¹
¹*Cardiac Surgery, Sheba Medical Center, Israel*
²*Institute of Cardiology, Sheba Medical Center, Israel*
- 08:10 Management of Recurrence of Ventricular Tachycardia after Ventricular Tachycardia Ablation**
Moshe Katz¹, Roy Beinart¹, Ibrahim Mari^{1,3}, Michael Glikson², Eyal Nof¹
¹*Cardiology, Sheba Medical Center, Israel*
²*Cardiology, Shaare Zedek, Israel*
³*Cardiology, Poriya Medical Center, Israel*



- 08:20 Catheter Ablation of Left-Sided Accessory Pathways in Small Children**
Rami Fogelman¹, Einat Birk¹, Tamir Dagan¹, Michal Fogelman¹, Tom Einbinder¹,
 Elchanan Bruckheimer¹, Moshe Swissa²
¹Cardiology Institute, The Schneider Children's Medical Center of Israel, Sackler
 School of Medicine, Tel Aviv University, Israel
²Cardiology Institute, Kaplan Medical Center, Rehovot. The Hebrew University,
 Jerusalem, Israel
- 08:30 The Utility of Ventricular Catheter Ablation in a Large Israeli Tertiary Center**
Moshe Katz¹, Roy Beinart¹, Ibrahim Mari¹, Michael Glikson², Eyal Nof¹
¹Cardiology, Sheba Medical Center, Please Select, Israel
²Cardiology, Shaare Zedek, Israel
- 08:40 Real-World Clinical Outcomes after Left Atrial Appendage Closure in Patients with AF: Insights from the Israeli LAAC Registry**
Ehud Chorin¹, Amir Halkin¹, Ilan Goldenberg⁴, Michael Glikson⁵, David Luria⁶,
 Alexander Feldman³, Abid Assali², Sami Viskin¹, Raphael Rosso¹
¹Cardiology, Tel Aviv Medical Center, Israel
²Cardiology, Rabin Medical Center
³Cardiology, Ha'Emek Medical Center
⁴Cardiology, Chiam Sheba Hospital, (Tel Hashomer)
⁵Cardiology, Shaare Zedek Medical Center
⁶Cardiology, Hadassah Medical Center
- 08:50 Surgical AF Ablation**
Marc Gillinov
 Cleveland Clinic, Cleveland, OH, USA
- 09:20 CT Pulmonary Parenchymal Changes Combined with Vascular Findings - A Highly Suggestive Complex for the Elusive Diagnosis of Post Ablation Pulmonary Vein Stenosis**
Orly Goitein¹, Sivan Lieberman¹, Roy Beinart², Edith Marom¹,
 Simona Ben-Haim³, Elio Di Segni¹, Eli Konen¹, Tima Davidson³
¹Diagnostic Radiology, Chaim Sheba Medical Center, Israel
²Heart Institute, Chaim Sheba Medical Center, Israel
³Nuclear Medicine, Chaim Sheba Medical Center, Israel
- 09:30 Sinus Rhythm during Cryoballoon Atrial Fibrillation Ablation Independently Predicts Improved Clinical Outcomes**
Nicholay Teodorovich, Yonatan Kogan, Guy Shmuel Haber, Gera Gandelman,
 Jacob George, Moshe Swissa
 Cardiology, Kaplan Medical Center, Israel, Israel



09:40 Prognostic Significance of Short Episodes of Atrial Tachycardia on the Success Rate of Atrial Fibrillation Ablation in Patients with Paroxysmal and Persistent AF

Gilad Margolis, Ehud Chorin, Lorin Schwartz, Sami Viskin, Raphael Rosso
Cardiology Department, Tel Aviv Sourasky Medical Center, Israel

08:00-10:00 S4 - Imaging Valvular Heart Disease
Chairs: **Noah Liel, Yaron Shapira, Israel**

HEB Hall H - Haifa

08:00 Right Ventricle Remodeling Patterns in Severe Tricuspid Regurgitation-Insight from a Longitudinal Study

Oran Tzuman¹, Gil Marcus³, Itzhak Vitkon-Barkay³, Dov Wexler², Simon Biner², Gadi Keren², Zvi Vered³, Sa'ar Minha³, Yan Topilsky²

¹Cardiology Division, Assuta Ashdod University Hospital, Israel

²Division of Cardiovascular Diseases and Internal Medicine, Tel Aviv Medical Center, Israel

³Cardiology Department, Assaf Harofeh, Medical Center, Israel

08:10 Long-Term Tricuspid Regurgitation Progression in Patients Undergoing Combined Mitral Valve Replacement Surgery and Tricuspid Valve Repair

Osnat Itzhaki Ben Zadok^{1,2}, Ram Sharony^{1,2}, Mordehay Vaturi^{1,2}, Yaron Shapira^{1,2}, Tamir Bental^{1,2}, Israel Kuznitz^{1,2}, Shmuel Schwartzberg^{1,2}, Alik Sagie^{1,2}

¹Cardiology Department, Rabin Medical Center, Israel

²Sackler Faculty of Medicine, Tel Aviv University, Israel

08:20 Frequency and Characteristics of Patients with Severe Lead-Associated Tricuspid Regurgitation: Is the Device Lead the Only Mechanism of Tricuspid Regurgitation?

Ady Orbach¹, Diab Mutlak^{1,2}, Jonathan Lessick^{1,2}, Izhak Kehat^{1,2},

Doron Aronson^{1,2}, Yaron Hellman¹, Yoram Agmon^{1,2}

¹Cardiology, Rambam Medical Center, Israel

²Faculty of Medicine, Technion - Israel Institute of Technology, Israel

08:30 Risk Factors for Tricuspid Regurgitation in Patients with Implanted Device Leads

Ady Orbach¹, Diab Mutlak^{1,2}, Jonathan Lessick^{1,2}, Izhak Kehat^{1,2},

Doron Aronson^{1,2}, Yaron Hellman¹, Yoram Agmon^{1,2}

¹Cardiology, Rambam Medical Center, Israel

²Faculty of Medicine, Technion - Israel Institute of Technology, Israel



- 08:40** **Diastolic Myocardial Mechanics in Patients with Atrial Fibrillation and Heart Failure with Preserved Ejection Fraction**
Assaf Ben Arzi^{1,2}, Yevgeni Hazanov^{1,2}, Guy Rozen^{1,2}, Ibrahim Marai^{1,2}, Offer Amir^{1,2}, Shemy Carasso^{1,2}
¹Cardiovascular Institute, B Padeh Medical Center, Israel
²Azrieli Faculty of Medicine in the Galilee, Bar Ilan University, Israel
- 08:50** **Clinical Outcome of Patients with Low-Flow Low-Gradient Severe Aortic Stenosis According to Assigned Treatment Modality**
Adi Butnaru^{1,2}, Shalom Silberman^{1,2}, David Rosenmann^{1,2}, Rivka Farkash^{1,2}, Marc Klutstein^{1,2}, Yaron Almagor^{1,2}, Rafael Wolff^{1,2}, Jonathan Balkin^{1,2}, Rami Jubeh^{1,2}, Mady Moriel^{1,2}, Tal Hasin^{1,2}, Michael Glikson^{1,2}, Shmuel Gottlieb^{1,2}
¹Cardiology Department, Shaare Zedek Medical Center, Israel
²Cardiology Department, Shaare Zedek Medical Center, Israel
- 09:00** **Importance of Discordant Echocardiographic Parameters of Lesion Severity in Patients with Symptomatic Aortic Stenosis**
Rafael Kuperstein, Michael Michlin, Israel Mazin, Israel Barbash, Victor Guetta, Paul Fefer, Amit Segev, Michael Arad, Micha Feinberg, Ehud Schwammenthal
Leviev Heart Center, Sheba Medical Center, Tel Aviv University, Israel
- 09:10** **Long-Term Performance of Bicuspid and Quadricuspid Aortic Valves: Similarities and Differences**
Dawod Sharif^{1,2}, Mustafa Ganaim¹, Elias Azzam¹, Yasmine Sharif², Amal Sharif-Rasslan³, Uri Rosenschein^{1,2}
¹Cardiology, Bnai Zion Medical Center, Israel
²Faculty of Medicine, Technion, Israel
³Science and Technology, Technion, Israel
- 09:20** **Differences between Mitral Annular Calcification with and Without Caseation**
Dawod Sharif¹, Elias Azzam¹, Mustafa Ganaim¹, Yasmine Sharif², Amal Sharif-Rasslan³, Uri Rosenschein¹
¹Cardiology, Bnai Zion Medical Center, Israel
²Faculty of Medicine, Technion, Israel
³Science and Technology, Technion, Israel
- 09:30** **Pulmonary Artery Pressure Before and After Mitraclip**
Ivaylo Tonchev, Anna Turyan Medvedovsky, Ilgar Tahiroglu, Chaim Lotan, Dan Gilon, David Planer, Haim Danenberg, Ronen Beeri, Mony Shuvy
The Heart Institute, Cardiology, Hadassah Medical Center, Ein Kerem, Israel



09:40 **3D Imaging The Tricuspid Valve**
Yoram Agmon
Department of Cardiology, Rambam Health Care, Israel
Faculty of Medicine, Technion - Israel Institute of Technology, Israel

08:00-10:00 **S5 - Kellerman Award Competition**
Chair: **Eli Lev, Israel**
Judges: **Alexander Battler, Ronen Durst, Gad Keren**
Shlomi Matetzky, Ariel Rogin, Israel

HEB Hall I - Zefat

08:00 **Extracellular Regulated Kinases Protects Against Maladaptive Cardiac Hypertrophy Following Chronic Pressure Overload**
Michael Mutlak¹, Izhak Kehat^{1,2}
¹*Department of Physiology, The Rappaport Institute and the Bruce Rappaport Faculty of Medicine, Technion - Israel Institute of Technology, Israel*
²*Department of Cardiology and the Clinical Research Institute at Rambam, Rambam Medical Center, Israel*

08:20 **Overexpression of the Longevity Gene SIRT6 in Myeloid Cells Reduced Left Ventricular Hypertrophy after Myocardial Infraction**
La-Paz Levin^{1,2}, Uri Amit^{1,2}, Tammy Ben-Mordechai^{1,2}, Dahlia Palevski^{1,2}, Nili Naftali-Shani^{1,2}, Daria Lendengolts^{1,2}, Natalie Landa^{1,2}, Haim Cohen³, Jonathan Leor^{1,2}
¹*Tamman and Neufeld Cardiovascular Reserch institute, Sheba Medical Center and Tel-Aviv University, Israel*
²*Sheba Regenerative Medicine, Sheba Medical Center, Israel*
³*Mina & Everard Goodman Faculty of Life Sciences, Bar Ilan University, Israel*

08:40 **Induced Pluripotent Stem Cell-derived Cardiomyocytes Uncover High Levels of the Transcriptional Factor STAT3 in Peripartum Cardiomyopathy**
Nili Naftali-Shani^{1,2}, Natali Molotski^{1,2}, Yael Nevo-Caspi³, Michael Arad⁴, Rafael Kuperstein⁴, Uri Amit^{1,2}, Irit Huber⁵, Li-At Zeltzer^{1,2}, Haya Abbas³, Gidi Paret³, Jonathan Leor^{1,2}
¹*Tamman and Neufeld Cardiovascular Research Institute, Sheba Medical Center, Israel*
²*Sheba Regenerative Medicine, Stem Cell and Tissue Engineering Center, Sheba Medical Center, Israel*
³*Department of Pediatric Critical Care Medicine, Safra Children's Hospital, Sheba Medical Center, Israel*
⁴*Department of Cardiology, Leviev Heart Center, Sheba Medical Center, Israel*
⁵*The Sohnis Family Laboratory for Cardiac Electrophysiology and Regenerative Medicine, Rappaport Faculty of Medicine and Research Institute, Israel*



- 09:00 Torsade De Pointes in a Dish**
 Assad Shiti, Naim Shaheen, Irit Huber, Gil Arbil, Amira Gepstein, Lior Gepstein
Physiology, Rappaport Faculty of Medicine and Research Institute, Technion-Israel Institute of Technology, Israel
- 09:20 Echocardiographic Killip Classification**
 Assi Milwidksy¹, Dahlia Greidinger², Yan Topilsky¹
¹*Department of Cardiology, Tel-Aviv Sourasky Medical Center affiliated to Sackler Faculty of Medicine, Tel-Aviv University, Israel*
²*Sackler faculty of Medicine, Tel-Aviv University, Israel*
- 09:40 Modeling Glycogen Storage Diseases with Human Induced Pluripotent Stem Cells**
 Inbar Budniatzky¹, Oren Feldman^{1,2}, Irit Huber¹, Idit Goldfracht¹, Leonid Maizels¹, Amira Gepstein¹, Gil Arbel¹, Hanna Mandel³, Lior Gepstein^{1,4}
¹*Rappaport Faculty of Medicine and Research Institute, Technion- Israel Institute of Technology, Israel*
²*Pediatrics, Rambam Medical Center*
³*Metabolic-Unit, Rambam Medical Center*
⁴*Cardiology, Rambam Medical Center*

08:00-10:00 S6 - Ami Cohen Award Competition & ISCTS
 Chairs: **Dan Aravot, Daniel Bitran, Gideon Sahar, Israel** **HEB** Hall J - Tiberias

- 08:00 Early and Late Results of LAD Territory Revascularization with Right Internal Mammary T-graft The `Reverse-Composite` Configuration**
 Yael Ag-Rejuan, Dmitry Pevni, Nahum Neshet, Amir Kramer, Yosef Paz, Rephael Mohr, Dorel Malamud, Yanai Ben-Gal
Department of Cardiac and Thoracic Surgery, Sourasky Medical Center, Israel
- 08:10 Sildenafil for the Treatment of Pulmonary Hypertension in the Early Postoperative Period after Mitral Valve Surgery**
 Eilon Ram¹, Leonid Sternik¹, Eyal Nachum¹, Robert Klempfner², Dina Kogan¹, Michael Eldar², Ilan Goldenberg², Ehud Raanani¹, Alexander Kogan¹
¹*Department of Cardiac Surgery, Leviev Cardiothoracic and Vascular Center, Sheba Medical Center, Israel*
²*Department of Cardiology, Leviev Cardiothoracic and Vascular Center, Sheba Medical Center, Israel*



- 08:20** **Real-Life Outcomes of Diabetic Patients Undergoing Surgical or Percutaneous Revascularization for Multi-Vessel Coronary Artery Disease**
Eilon Ram¹, Ilan Goldenberg², Yigal Kassif¹, Amit Segev², Jacob Lavee¹, Nir Shlomo², Ehud Raanani¹
¹Department of Cardiac Surgery, Leviev Cardiothoracic and Vascular Center, Sheba Medical Center, Israel
²Department of Cardiology, Leviev Cardiothoracic and Vascular Center, Sheba Medical Center, Israel
- 08:30** **New Therapies to Support the Failing Heart**
Maged Makhoul¹, Sandro Gelsomino², Daniel Johnson², Roberto Lorusso², Gil Bolotin¹
¹Department of Cardiac Surgery, Rambam Medical, Israel
²Department of Cardio-Thoracic Surgery, Maastricht, The Netherlands
- 08:40** **Trends in Isolated Coronary Artery Bypass Grafting: A Single Center Study**
Sergei Amunts, Eyal Ran Nachum, Yigal Kassif, Erez Kachel, Ami Shinfeld, Alexander Lipey, Boris Orlov, Ehud Raanani, Jacob Lavee
 Department of Cardiac Surgery, Leviev Heart Center, Chaim Sheba Medical Center, Tel-Hashomer, Affiliated to the Sackler School of Medicine, Tel Aviv University, Israel
- 08:50** **The Use of Extra Corporeal Membrane Oxygenator (ECMO) is becoming a Routine Working Tool in Emergency Cardiac or Respiratory Failure**
Elchanan Zuroff, Slava Gezunterman, Alexander Kogan, Eyal Ran Nachum, Leonid Sternik, Ehud Raanani, Jacob Lavee, Yigal Kassif
 Cardiac Surgery, Sheba Medical Center, Israel
- 09:00** **Femoral Versus Axillary Cannulation in Acute Type - A Dissection Repair Surgery**
Eilon Ram, Alexander Lipey, Leonid Sternik, Ami Shinfeld, Boris Orlov, Alexander Kogan, Ehud Raanani
 Department of Cardiac Surgery, Leviev Cardiothoracic and Vascular Center, Sheba Medical Center, Israel
- 09:10** **The Frozen Elephant Trunk Technique for Aortic Arch and Proximal Descending Aorta Replacement**
David Volvovitch, Alexander Lipey, Amihay Shinfeld, Ehud Raanani
 Cardio Surgery, Sheba Medical Center, Tel-Hashomer, Israel



- 09:20 Ability of Short-Term Risk Mortality Scores to Predict Long-Term Survival in Patients Undergoing Cardiac Surgery**
Eyal Ben-David¹, Orit Blumenfeld³, Ayelet Shapira-Daniels², Arturo Carranza Hernandez², Amit Korach², Ehud Rudis², Uzi Izhar², Oz M. Shapira²
¹Medical School, St George's Hospital, UK
²Cardiothoracic Surgery, Hadassah Hebrew University Medical Centre, Israel
³Centre For Disease Control, Israeli Ministry of Health, Israel
- 09:30 Does Donor's Brain Injury Duration Have an Impact on Heart Transplantation Outcomes?**
Eyal Nachum, Yigal Kassif, Alexander Kogan, Yedael Har-Zahav, Dov Freimark, Jacob Lavee, Yael Peled
 Heart Transplantation Unit, Heart Transplantation Unit, Sheba Medical Center, Tel-Hashomer & Sackler School of Medicine, Tel Aviv University, Israel
- 09:40 Preoperative Sodium Predicts Outcomes in Patients with Chronic Kidney Disease undergoing Cardiac Surgery**
Shuli Silberman¹, Ofer Merin¹, Tal Grenader³, Chani Waldenberg¹, Daniel Bitran¹, Daniel Fink¹, Linda Shavit²
¹Cardiothoracic surgery, Shaare Zedek Medical Center, Israel
²Nephrology, Shaare Zedek Medical Center, Israel
³Oncology, Shaare Zedek Medical Center, Israel
- 09:50 Minimally Invasive Aortic Valve Replacement (Mini-AVR) is Peripheral Cannulation Mandatory?**
Shlomo Yaron Ishay, Oren Lev - Ran, Menachem Matsa, Mahmud Abu Salah, Leonid Ruderman, Dan Ahrhamov, Gideon Sahar
 Cardiothoracic Surgery Department, Soroka Medical Univesity Center, Beer Sheva, Israel

08:00-10:00 S7 - Congenital Heart Disease in Pediatrics and Adults
 Chairs: **Livia Kapusta, Efrat Mazor-Dray, Israel** **ENG HEB** Hall 3 - Ashdod

- 08:00 Reduced Coronary Blood Flow in Adolescents with Anorexia Nervosa**
Liat Gelernter Yaniv^{1,3}, Jenny Garkabi¹, Dawod Sharif^{2,3}, Yasmin Sharif⁴, Kamilia Shahala, Nogah Kerem
¹Pediatrics, Bnai Zion Medical Center, Israel
²Cardiology, Bnai Zion Medical Center, Israel
³The Ruth and Bruce Rappaport Faculty of Medicine, Technion, Israel Institute of Technology, Israel
⁴Cardiology, Bnai Zion Medical Center, Israel

- 08:10** **Initial Clinical Results with the New BeGraft Aortic Covered Stent in Native Coarctation of the Aorta, Restenoses and Aneurysms**
Elchanan Bruckheimer, Tamir Dagan, Gabriel Amir, Roe Arnon, Alex Loewenthal, Einat Birk
Pediatric Cardiology, Schneider Children's Medical Center, Israel
- 08:20** **Long-Term Tvi-Based Study for Detection and Prevention of Complete Atrioventricular Bloc in Fetuses Exposed to Autoimmune Antibodies: Dexamethasone Prevents Deterioration of Low-Grade AV Block**
Zeev Perles, Zeev Perles, Yuval Ishai, Amiram Nir, Sagui Gavri, Julius Golender, Assaf Ta-Shma, Nurit Yaakobi, Ibrahim Abu-Zahira, Juma Natshe, Aviv Berger, Uri Elchalal, Azaria JJT Rein
Pediatric Cardiology, Hadassah-Hebrew University Medical Center, Israel, Israel
- 08:30** **Depression and Anxiety are Associated with High Healthcare Resource Utilization among Adults with Congenital Heart Malformations**
Michal Benderly^{1,2}, Ofra Kalter-Leibovici^{1,2}, Dahlia Weitzman^{2,3}, Leonard Blieden⁴, Jonathan Buber⁵, Alexander Dadashev⁴, Efrat Mazar-Dray⁶, Avraham Lorber⁷, Amiram Nir⁸, Yaron Razon^{2,4}, Sergei Yalonetsky⁷, Gabriel Chodick^{2,3}, Rafael Hirsch⁴, On behalf of the Israeli Congenital Heart Disease Research Group, for the Israeli Congenital Heart Disease Research Group⁹
¹*Cardiovascular Epidemiology Unit, Gertner Institute for Epidemiology and Health Policy Research, Sheba Medical Center, Israel*
²*Sackler Faculty of Medicine, Tel-Aviv University, Israel*
³*Morris Kahn & Maccabi institute for research and innovation, Maccabi Healthcare Services, Israel*
⁴*Adult Congenital Heart Disease Unit, Rabin Medical Center, Sorasky Faculty of Medicine, Tel Aviv University, Israel*
⁵*Heart Institute, Sheba Medical Center, Israel*
⁶*Faculty of Health Sciences, Ben-Gurion University of the Negev, Israel*
⁷*Pediatric Cardiology and GUCH Unit, Rambam Health Care Campus, Technion Faculty of Medicine, Israel*
⁸*Department of Pediatric Cardiology, Hadassah, Hebrew University Medical Center, Israel*
⁹*The Israeli Congenital Heart Disease, Research group, Israel*
- 08:40** **The Late Effects of Pregnancy on Ascending Aortic Dimensions in Patients with Marfan Syndrome**
Rafael Kuperstein¹, Amihay Shinfeld¹, Michael Arad¹, Michal Simchen²
¹*Leviev Heart Center, Sheba Medical Center, Tel Aviv University, Israel*
²*Department of Obstetric and Gynecology, Sheba Medical Center, Tel Aviv University, Israel*



- 08:50** **Clinical course of the Hemodynamically Insignificant Ductus Arteriosus**
Daniel Fink¹, Itamar Nitzan², Alona Bin-nun², Francis Mimouni², Cathy Hammerman²
¹*Pediatric Cardiology, Shaare Zedek Medical Center, Israel*
²*Neonatology, Shaare Zedek Medical Center, Israel*
- 09:00** **Adult Congenital Heart Disease: A Systemic Disease**
Ariane Marelli
McGill University Health Center, Montreal, Quebec, Canada
- 09:20** **Use of 4D Flow Cardiac MRI Techniques in Congenital Heart Disease: Preliminary Experience and Comparison with Standard Phase Contrast Techniques**
Max E Godfrey^{1,4}, Naama Bogot³, Michael Welt², Daniel Mann², Michael Glikson², Arik Wolak²
¹*Pediatric Cardiology, Shaare Zedek Medical Center, Israel*
²*Cardiology, Shaare Zedek Medical Center, Israel*
³*Radiology, Shaare Zedek Medical Center, Israel*
⁴*Pediatric Cardiology, Schneider Children's Medical Center, Israel*
- 09:30** **Autophagy Guided Interventions to Modify the Phenotype of Danon Disease**
Zachary Petrover^{1,3}, Dor Yadin^{1,2}, Asher Shainberg³, Dan Aravot¹, Ronny Alcalai⁴, Jon Seidman⁵, Edith Hochhauser¹, Michael Arad²
¹*Cardiac Surgery, Felsenstein Research Center, Rabin Medical Center, Sackler School of Medicine, Tel Aviv University, Israel*
²*Cardiology, Leviev Heart Center, Sheba Medical Center and Sackler School of Medicine, Tel Aviv University, Israel*
³*Life Science, Bar-Ilan university, Israel*
⁴*Cardiology, Hadassah Medical Center, University Hospital, Israel*
⁵*Genetics, Harvard Medical School, MA, USA*



08:00-10:05 S8 - Prevention of Heart Disease, Cardiac Rehabilitation and Pharmacology
 Chairs: **Dov Gavish, Jacob Klein, Israel** **ENG HEB** Hall 4 - Be'er-Sheva

08:00 Metabolic Syndrome is Associated to High-Sensitivity Cardiac Troponin T Elevation

Assi Milwidsky¹, Eyal Fisher², Rafael Brzezinski³, Michal Ehrenwald³, Gabi Shefer⁴, Naftali Stern⁴, Itzhak Shapira³, David Zeltser³, Shlomo Berliner³, Shani Shenhar-Tsarfaty³, Ori Rogowski³

¹Department of Cardiology, Tel Aviv Sourasky Medical Center and Sackler Faculty of Medicine, Tel Aviv University, Israel

²Department of Statistics, School of Mathematical Science, Tel Aviv University, Israel

³Departments of Internal Medicine "C", "D" and "E", Tel Aviv Sourasky Medical Center and Sackler Faculty of Medicine, Tel Aviv University, Israel

⁴Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky Medical Center, Tel Aviv University, Israel

08:10 Features and Long-Term Outcomes of Young Adults Undergoing Coronary Angiography for Coronary Artery Disease

Ahmad Hasan, Ronen Jaffe, Ronen Rubinshtein, Amnon Merdler, Basheer Karkabi, Nader Khader, Jacob Goldstein, David A Halon, Moshe Y Flugelman, Barak Zafrir
 Cardiovascular Medicine, Lady Davis Carmel Medical Center, Israel

08:20 Frequency of Sexual Activity and Long-Term Mortality Risk in Patients After Acute Myocardial Infarction

Shlomit Brandis Kepler¹, Yael Benyamini², Uri Goldbourt¹, Tal Hasin³, Yariv Gerber¹

¹Department of Epidemiology and Preventive Medicine, School of Public Health, Sackler Faculty of Medicine, Tel Aviv University, Israel

²Bob Shapell School of Social Work, Tel Aviv University, Israel

³Department of Cardiology, Shaare Zedek Medical Center, Israel

08:30 The Effect of Cessation of 2nd Generation P₂Y₁₂ Inhibitor Therapy on Platelet Reactivity in Patients One Year after Acute Myocardial Infarction

Guy Witberg^{1,3}, Jalal Bathish², Tamir Bental^{1,3}, Dorit Leshem-Lev^{1,3}, Abid Assali^{1,3}, Ran Kornowski^{1,3}, Eli Lev^{1,3}

¹Department of Cardiology, Rabin Medical Center, Israel

²Department of Internal Medicine B, Rabin Medical Center, Hasharon Hospital, Israel

³The Sackler Faculty of Medicine, Tel Aviv University, Israel



- 08:40** **The Association Between Neck fat Volume and Long-Term Outcome**
Ilya Litovchik^{1,2}, Sigal Tal^{1,3}, Miriam M. Klar^{1,3}, Hillel S. Maresky^{1,3},
 Tomer Ziv-Baran^{1,4}, David Pereg^{1,5}, Shmuel Fuchs^{1,2}, Sa'ar Minha^{1,2}
¹Sackler School of Medicine, Tel-Aviv University, Israel
²Cardiology, Assaf-Harofeh Medical Center, Israel
³Radiology, Assaf-Harofeh Medical Center, Israel
⁴Department of Epidemiology and Preventive Medicine, School of Public Health,
 Tel-Aviv University, Israel
⁵Cardiology, Meir Medical Center, Israel
- 08:50** **The Role and Outcome of Cardiac Rehabilitation Program in Patients with Atrial Fibrillation**
Ella Shaviv^{1,2}, Arwa Younis^{1,2}, Eyal Nof^{1,2}, Ariel Israel^{1,2}, Ilan Goldenberg^{1,2,3},
 Michael Glikson^{1,2,4}, Robert Klempfner^{1,2}, Roy Beinart^{1,2}
¹The Leviev Heart Center,, Sheba Medical Center, Israel
²Sackler School of Medicine, Tel Aviv University, Israel
³University of Rochester, Heart Research Program, NY, Israel
⁴Heart Center, Shaare Zedek Medical Center, Israel
- 09:00** **CV Prevention in Children**
Carlos Scherr
 Lead Officer of International Affairs, Brazilian Society of Cardiology, Biennia, Brazil
- 09:15** **The Association between Various Psychosocial Measures and Trajectory of Secondary Prevention Adherence after Myocardial Infarction**
Michal Nachshol¹, Ido Lurie^{2,3,4}, Uri Goldbourt⁴, Yael Benyamini⁵, Yariv Gerber⁴
¹Sackler School of Medicine, Tel Aviv University, Israel
²Department of Psychiatry, Sackler School of Medicine, Tel Aviv University, Israel
³Kfar Saba Adult Clinic, Shalvata Mental Health Center, Israel
⁴Department of Epidemiology and Preventive Medicine, Tel Aviv University, Israel
⁵Bob Shapell School of Social Work, Tel Aviv University, Israel



- 09:25** **Chronic Exposure to Traffic-Related Air Pollution and Cancer Incidence among 10,000 Israeli Patients Undergoing Percutaneous Coronary Interventions: A Follow-Up Study**
Gali Cohen¹, Ilan Levy², - Yuval², Jeremy D Kark³, Noam Levin⁴, Guy Witberg⁵, Zaza Iakobishvili⁵, Tamir Bental⁵, David M Broday², David M Steinberg⁶, Ran Kornowski^{5,7}, Yariv Gerber¹
¹*Dept. of Epidemiology and Preventive Medicine, School of Public Health, Sackler Faculty of Medicine, Tel Aviv University, Israel*
²*Technion Center of Excellence in Exposure Science and Environmental Health, Technion Israel Institute of Technology, Israel*
³*Epidemiology Unit, Braun School of Public Health and Community Medicine, Hebrew University of Jerusalem, Israel*
⁴*Dept. of Geography, Hebrew University of Jerusalem, Israel*
⁵*Dept. of Cardiology, Rabin Medical Center (Beilinson and Hasharon Hospitals), Israel*
⁶*Dept. of Statistics and Operations Research, School of Mathematical Sciences, Raymond and Beverly Sackler Faculty of Exact Sciences, Tel Aviv University, Israel*
⁷*Dept. of Cardiovascular Medicine, Sackler Faculty of Medicine, Tel Aviv University, Israel*
- 09:35** **Usefulness of Serial Six-Minute Walk Distance in Ambulatory Heart Failure Patients**
Jonathan Koslowsky, Rivka Farkash, Adina Niazov, Michael Glikson, Tal Hasin
Heart Center, Shaare Zedek Medical Center, Israel
- 09:45** **Lipid-lowering Therapy with PCSK9 Inhibitors in the Real World Setting: Two-year Experience of a Regional Lipid Clinic**
Barak Zafrir¹, Oksana Shaulov², Hanan Nejm²
¹*Cardiovascular Medicine Department, Lady Davis Carmel Medical Center, Israel*
²*Diet and Nutrition Unit, Lady Davis Carmel Medical Center and Clalit Health Services, Haifa and Western Galilee District, Israel*
- 09:55** **Hypoglycemic Events During Hospitalization in Diabetic Acute Coronary Syndrome Patients Treated with Vildagliptin vs. Guidelines Based Medical Therapy**
Idit Dr. Dobrecky-Mery¹, Adir Dr. Sommer², Nadia Nahmany Goldberg¹, Eugeny Dr. Radizishevsky¹, Elena Dr. Rivlin¹, Hammoud Dr. Mahmod¹, Zaid Dr. Gassan¹, Ghanayim Dr. Mustafa¹, Uri Prof. Rosenschein¹
¹*Departement of Cardiology, Bnai-Zion Medical Center, Israel*
²*The Ruth and Bruce Rappaport Faculty of Medicine, Technion - Israel Institute of Technology, Israel*



09:00-12:00 **Anglo Israel Cardiovascular Symposium** **ENG** Gallery Hall

Session 1 - Heart Failure & Cardiomyopathy

Chairs: **Jonathan Behar, UK, Yigal Abramowitz, Israel**

9:00-09:20 **Heart Failure Update - New Challenges in the UK & Beyond**

Andrew Clark

UK

09:20-09:40 **Alcohol Septal Ablation for HCM**

Oliver Guttman

UK

Session 2 – Imaging

Chairs: **Duncan Dymond, UK, Shemy Carasso, Israel**

09:40-10:00 **Stress Perfusion CMR. Is this the Method of Choice for the Detection of Myocardial Ischaemia?**

Amedeo Chiribiri

UK

10:00-10:20 **Multiparametric Mapping for Myocardial Biology**

James Moon

UK

10:20-10:35 **Coffee Break**

Session 3 – Valvular Heart Disease

Chairs: **Stephen Brecker, UK, Offer Amir, Israel**

10:35-10:55 **Cardiac CT - High Resolution Tools for Successful Valvular Implantation?**

Ronak Rajani

UK

10:55-11:15 **Biological Valves Thrombosis**

Yigal Abramowitz

Israel

11:15-11:35 **Left Atrial Function Renaissance**

Shemy Carasso

Israel

Session 4 -Philip Poole-Wilson Lecture

11:35-11:55 **Philip Poole-Wilson Memorial Lecture: Improving on Troponin**

Mike Marber

UK

10:30-12:30 **PL1 - Plenary Session I - Opening Ceremony Neufeld Awards**
 Chairs: **Ran Kornowski, Ronen Rubinshtein, Israel Heart Society (IHS),
 Ehud Raanani, Erez Kachel, Israel Society of Cardiothoracic Surgery (ISCTS)**
ENG Hall ABC - Jerusalem

10:30-11:30 **Opening Introductions**

Ran Kornowski, President, Israel Heart Society (IHS)
 Ehud Raanani, Chairman, Israel Society of Cardiothoracic Surgery (ISCTS)
 Awarding of New Honorary Members of the Israel Heart Society (IHS):
 Prof. Jeroen Bax, Prof. Basil Lewis, Prof. Zvi Vered
 Recognition of the Industry Round Table of the Israel Heart Society
 Michel Mirowski Excellence in Cardiology Award
 Richard, Hilda and Ezra Meltzer Memorial Award
 Fellowship Awards of the Israel Heart Society
 Fellowship on behalf of the Intensive Care WG of the IHS: Arie Roth Acute
 Cardiac Care Award
 Recognition of the Industry Round Table of the Israel Society of Cardiothoracic
 Surgery

11:30-11:40 **Henry Neufeld Awards**

11:40-12:10 **Neufeld Memorial Lecture: The Evolving Science of Health: Genetics,
 Imaging and Behavior in Cardiovascular Medicine**

Valentin Fuster
 Mount Sinai Hospital New York, NY, USA

12:10-12:30 **Robotic and Minimally Invasive Mitral Valve Repair**

Marc Gillinov
 Cleveland Clinic, Cleveland, OH, USA

12:30-14:00 **LS1 - Lunch Session Sponsored by Pfizer**
A New Era for PE Managements - From Clinical Theory to Clinical Practice
 Chair: **Shaul Atar, Israel** Hall H - Haifa

12:30 **Lunch - First and Main Course**

12:50 **Selecting the Optimal Duration and Regimen of Anticoagulation after
 Pulmonary Embolism**

Avi Shimony
 Cardiology, Soroka Medical Center, Israel



- 13:05 Pulmonary Emboli in the Real World- The Sheba Prospective PE Registry**
Shlomi Matetzky
Heart Center, Sheba Medical Center, Israel
- 13:25 Prothrombin Complex Concentrate for Reversal of Xa Inhibitors**
Galia Spectre
Hematology Institute, Rabin Medical Center, Israel
- 13:35 Panel Discussion**
 Chair: **Shaul Atar, Israel**
 Panel Members: **Shmuel Fuchs, Shlomi Matetzky, Galia Spectre, Avi Shimony, Israel**
- 13:50 Q & A**

12:30-14:00 LS2 - Lunch Session Sponsored by Boehringer Ingelheim
New Breakthroughs in Cardiovascular Care in the NOAC's Era Hall I - Zefat

12:30 Lunch First Course

12:40 Opening and Welcome

Ran Kornowski

Israel

12:50 Recently Published Clinical Trials and Interventional Cardiology Procedures in the NOAC's Era...

Georg Nickenig

University Hospital, Bonn, German

13:20 Panel Discussion/ Q&A

Panel Members: **Ran Kornowski, Doron Zahger, Amit Segev, Israel**

13:45 Lunch Main Course

12:30-14:00 LS3 - Lunch Session Sponsored by Novartis
Heart Failure Case Studies - What would YOU do? Hall J - Tiberias

12:30 Lunch - First and Main Course

12:45 Case 1

Israel Gotsman

Israel

13:05 Case 2

Offer Amir

Israel



13:25 **Case 3**
Tamir Bental
Israel

12:30-14:00 **LS4 - Lunch Session Sponsored by Abbott**
Structural Heart - A 360 Approach to Structural Heart Diseases
Throughout Life!
Chair: **Ran Kornowski, Israel** **Lobby Floor**

12:30 **The Evidence in Favor of Closing PDA and Choosing Wisely the Patients**
Candidates
Elhanan Bruckheimer
Israel

12:45 **Stroke Prevention - What Evidence in Favor of LAA Closure for Stroke**
Prevention among AF Patients at Risk?
Abid Assali
Israel

13:00 **The Use of MitraClip to Improve HF + Functional MR Symptoms: Current**
Perspectives
Menashe Shuvy
Israel

13:15 **Not all TAVI Born the Same – The Rational for Expanding the Valve**
Portfolio in 2018
Paul Fefer
Israel

14:00-15:30 **PL2 - Plenary Session II –Joint Session: European Society of Cardiology**
(ESC) - Israel Heart Society (IHS)
Chairs: **Ran Kornowski, Ronen Rubinshtein, Israel Heart Society (IHS)**
Ehud Raanani, Israel Society of Cardiothoracic Surgery (ISCTS)
Jeroen Bax, European Society of Cardiology (ESC) **ENG** **Hall ABC - Jerusalem**

14:00-14:10 **The ESC-IHS Intensified Bond**
Jeroen Bax
President, European Society of Cardiology, The Netherlands

14:10-14:25 **Imaging Aortic Stenosis**
Jeroen Bax
President, European Society of Cardiology, The Netherlands

14:25-14:40 **What's New in the ESC Valvular Heart Disease Guidelines**
Stephan Windecker
University Hospital, Bern, Switzerland



14:40-14:55 TAVI State of the Art 2018Amit Segev*Sheba Medical Center, Tel Ha Shomer, Israel***14:55-15:10 New Frontiers in Coronary Imaging**Stephan Achenbach*Friedrich-Alexander-Universität Erlangen Nürnberg, Germany***15:10-15:25 PCI and CABG in Multi-Vessel and Left Main Disease in 2018**David Taggart*Oxford University, Oxford, UK***16:00-18:00 S9 - Interventional Cardiology: Structural Heart Interventions**Chairs: **Ariel Finkelstein, Arthur Kerner, Israel****HEB** Hall A -Tel Aviv**16:00****Transcatheter Aortic Valve Implantation Futility Risk Model: From the 4-Sites Israeli TAVI Registry**Oren Zusman^{1,5}, Uri Landes^{1,5}, Israel Barbash^{2,5}, Ariel Finkelstein^{4,5}, Haim Danenberg^{3,6}, Amit Segev^{2,5}, Victor Guetta^{2,5}, Katia Orvin^{1,5}, Abid Assali^{1,5}, Alon Barsheshet^{1,5}, Ran Kornowski^{1,5}¹*Department of Cardiology, Rabin Medical Center, Please Select, Israel*²*Department of Cardiology, Chaim Sheba Medical Center, Israel*³*Department of Cardiology, Hadassah Hebrew University Medical Center, Israel*⁴*Department of Cardiology, Tel-Aviv Sourasky Medical Center, Israel*⁵*Sackler Faculty of Medicine, Tel-Aviv University, Please Select, Israel*⁶*Faculty of Medicine, Hebrew University of Jerusalem, Israel***16:10****Sex-Related Differences in Clinical Characteristics and Outcome of Patients Undergoing Transcatheter Aortic Valve Implantation- Data from the Israeli TAVI Registry**Osnat Itzhaki Ben Zadok^{1,2}, Katia Orvin^{1,2}, Ariel Finkelstein^{2,3}, Israel M Barbash^{2,4}, Haim Danenberg^{3,6}, Amit Segev^{2,4}, Victor Guetta^{2,4}, Amir Halkin^{2,3}, David Planer^{5,6}, Tamir Bental^{1,2}, Hana Vaknin Assa^{1,2}, Abid Assali^{1,2}, Alon Barsheshet^{1,2}, Ran Kornowski^{1,2}¹*Department of Cardiology, Rabin Medical Center, Israel*²*Sackler Faculty of Medicine, Tel Aviv University, Israel*³*Department of Cardiology, Sourasky Medical Center, Israel*⁴*Department of Cardiology, Sheba Medical Center, Israel*⁵*Department of Cardiology, Hadassah Medical Center, Israel*⁶*Faculty of Medicine, Hebrew University of Jerusalem, Israel*

- 16:20** **Intraprocedural Valve-in-Valve Implantation for Treatment of Paravalvular Leak Following Transcatheter Aortic Valve Replacement: A Tailored Approach**
Ayman Jubran, Moshe Flugelman, Barak Zafrir, Avinoam Shiran, Nader Khader, Ronen Rubinshtein, Ronen Jaffe
Cardiology Department, Carmel Medical Center and the Technion IIT, Israel
- 16:30** **Dental Screening Prior to Valve Interventions; Should We Prepare TAVR Patients for "Surgery"?**
Haitham Sholy^{1,2}, Dalit Porat Ben Amy^{1,2}, Nizar Andria^{1,2}, Ghanim Diab^{1,2}, Doron Sudarsky^{1,2}, Wadi Kinany^{1,2}, Khaled Taha^{1,2}, Chen Shmuel^{1,2}, David Meerkin^{1,2}, Imad Abu El-Naaj^{1,2}, Kachel Erez^{1,2}, Sammer Diab^{1,2}, Offer Amir^{1,2}, Carasso Shemy^{1,2}, Fabio Kusniec^{1,2}
¹*Cardiovascular Department, B Padeh Medical Center, Israel*
²*The Faculty of Medicine, Bar-Ilan University, Israel*
- 16:40** **Effects and Safety of Beta-Blocker Withdrawal Among Patients Undergoing Transcatheter Aortic Valve Replacement**
Arwa Younis¹, Katia Orvin³, Eyal Nof¹, Israel Barabash¹, Victor Guetta¹, Anat Berkovitch¹, Paul Fefer¹, Amit Segev¹, Michael Glikson², Abid Assali³, Hana Vaknin³, Ran Kornowski³, Roy Beinart¹
¹*Cardiology, Sheba Medical Center, Israel*
²*Cardiology, Shaare Zedek Medical Center, Israel*
³*Cardiology, Rabin Medical Center (Billinson), Israel*
- 16:50** **Retrograde Femoral Artery Stent Graft Implantation for Treatment of Access Site Bleeding Following Transcatheter Aortic Valve Replacement**
Hussein Sliman¹, Avinoam Shiran¹, Dallit Mannheim², Eyal Avraham³, Ron Karmeli³, Khader Nader¹, Barak Zafrir¹, Ronen Rubinshtein¹, Ronen Jaffe¹
¹*Cardiology, Carmel Medical Center and the Technion IIT, Israel*
²*Vascular Surgery, Carmel Medical Center, Israel*
³*Vascular Surgery, Hadassah Medical Center, Israel*
- 17:00** **Long-Term Outcomes of Ilio-Femoral Artery Stents Following Trans-Femoral Aortic Valve Replacement**
Yoni Grossman^{1,2}, Daniel Siverberg^{2,3}, Anat Berkovitch^{1,2}, Fernando Chernomordik^{1,2}, Arwa Younis^{1,2}, Elad Asher^{1,2}, Israel Barabash^{1,2}, Moshe Halak^{2,3}, Victor Guetta^{1,2}, Amit Segev^{1,2}, Paul Fefer^{1,2}
¹*Leviev Heart Center, Sheba Medical Center, Israel*
²*Sackler School of Medicine, Tel Aviv University, Israel*
³*Vascular Surgery Department, Sheba Medical Center, Israel*
- 17:10** **Rehospitalization Rates After Mitral Clip in Patients with Severe Mitral Regurgitation**
Ilgar Tahiroglu, Mony Shuvi
Cardiology, Hadassah Medical School, Israel



17:20 Transcatheter Aortic Valve Implantation in Oncology Patients with Aortic Stenosis

Uri Landes¹, Zaza Iakobishvili¹, Daniella Vronsky¹, Oren Zusman¹, Ronen Jaffe², Ayman Jubran², Sung-Han Yoon³, Maurizio Taramasso⁴, Jan-Malte Sinning⁵, Luigi Biasco⁶, Azeem Latib⁷, Corrado Tamburino⁸, Stephan Windecker⁹, Didier Tchetché¹⁰, Alon Barsheshet¹, Mayra Guerrero¹¹, Johan Bosmans¹², Danny Dvir¹³, Darren Mylotte¹⁴, Sabine de Bruijn¹⁵, Yusuke Watanabe¹⁶, Lars Sondergaard¹⁷, Pablo Codner¹, Susheel Kodali¹⁸, Martin Leon¹⁸, Ran Kornowski¹

¹Cardiology, Rabin Medical Center, Israel

²Cardiology, Carmel Medical Center, Israel

³Cardiology, Cedars-Sinai, USA

⁴Cardiology, University Hospital of Zurich, Switzerland

⁵Cardiology, University Hospital Bonn, Germany

⁶Cardiology, Fondazione Cardiocentro Ticino, Switzerland

⁷Cardiology, San Raffaele Scientific Institute, Italy

⁸Cardiology, Ferrarotto medical center, Italy

⁹Cardiology, Bern University Hospital, Switzerland

¹⁰Cardiology, Clinique Pasteur, France

¹¹Cardiology, Evanston Hospital, USA

¹²Cardiology, Antwerp University medical center, Belgium

¹³Cardiology, University of Washington Medical Center, USA

¹⁴Cardiology, University Hospital and National University of Ireland, Ireland

¹⁵Cardiology, Cardiovascular Center Frankfurt, Germany

¹⁶Cardiology, Teikyo university school of medicine, Japan

¹⁷Cardiology, Rigshospitalet, Denmark

¹⁸Cardiology, Columbia University Medical Center, USA

17:30 TAVI in Cancer Patients How Often and When is it Truly Indicated

Dan Gilon, Ivelin Koev, Gidon Pearlman, David Planner, Mahsati Ibrahimli, Naseem Shadafny, Mony Shuvy, Chaim Lotan, Haim Danenberg
Cardiology, Hadassah Medical Center, Ein kerem, Israel

17:40 Direct Admission of Selected Patients to Intermediate Cardiology Unit After TAVI is Feasible and Safe

Anat Berkovitz, Ilan Goldenberg, Yael Peled, Michael Berger, Amit Segev, Paul Fefer, Elad Maor, Yoni Grossman, Michael Kogan, Arsalan Abumuch, Younis Arwa, Sagit Ben Zekry, Victor Guetta, Israel Barbash
Leviev Heart Institute, Sheba Medical Center, Tel Aviv University, Israel



16:00-18:00 S10 - State of the Art Echo TechniquesChairs: **Ronen Beeri, Limor Ilan Bushari, Israel** **ENG** **HEB** Hall B-Petah Tikva

- 16:00** **Imaging to select patients for Mitraclip**
Jeroen Bax
President, European Society of Cardiology, The Netherlands
- 16:20** **Indexed Left Atrial Volume by Echocardiography as an Indicator of Left Heart Disease in Patients with Scleroderma and Suspected Pulmonary Hypertension**
 Jean Deschamps¹, Benjamin Fox², Lawrence Rudski¹, Robert Schlesinger¹, Ali Abualsaud¹, Igal Sebag¹, Jonathan Afilalo¹, Marie-Josée Blais¹, Mark Eisenberg¹, Dominique Joyal¹, Fay Blenkhorn¹, Lyda Lesenko¹, Michele Giovino¹, David Langleben¹
¹*Azrieli Heart Center, Department of Medicine, Jewish General Hospital, McGill University, Quebec, Canada*
²*Division of Respiratory Medicine, Asaf Harofeh Hospital, Israel*
- 16:30** **Echocardiographic E to E Prime Ratio: An Incremental Predictor of Clinical Outcome in Cardiovascular Patients Irrespective of Left Ventricle Ejection Fraction**
Ran Eliaz, Dan Gilon, Andre Keren, Chaim Lotan, Israel Gotsman
Heart Institute, Hadassah Medical Center, Ein Kerem, Israel
- 16:40** **Routine use of Global Longitudinal Strain among Active Breast Cancer Patients: A Cardio-Oncology Registry**
Michal Laufer Perl, Assi Milwidsky, Liat Mor, Dor Ravid, Nadav Amrami, Matthew Derakhshesh, Jack Sherez, Gad Keren, Yaron Arbel, Yan Topilsky
Cardiology, Tel Aviv Sourasky Medical Center, Israel
- 16:50** **Speckle Tracking Imaging in Myocarditis**
Marina Leitman^{1,3}, Zvi Vered^{1,3}, Vladimir Tyomkin¹, Boris Macogon², Gil Moravsky^{1,3}, Eli Peleg^{1,3}, Laurian Copel^{2,3}
¹*Department of Cardiology, Assaf Harofeh Medical Center, Israel*
²*Department of Radiology, Assaf Harofeh Medical Center, Israel*
³*Sackler School of Medicine, Tel Aviv University, Israel*
- 17:00** **The Differences in Left Atrial Appendage Remodeling Between Diabetic and Non-Diabetic Patients Transesophageal 3D Echocardiography Study**
Chaim Yosefy^{1,2}, Marina Pery^{1,2}, Piltz Xavier^{1,2}, Boris Brodtkin^{1,2}, Vladimir Khalameizer^{1,2}
¹*Department of Cardiology, Barzilai Medical Center Campus, Israel*
²*Faculty of Health Science, Ben-Gurion University, Israel*



- 17:10** **Feasibility and Efficacy of Teaching Patients Self-Assessment of Inferior Vena Cava Operating a Portable Ultrasound Device**
Osnat Ganz¹, Alon Ben-Sasson¹, Iotam Lior¹, Noah Liel Cohen^{1,2}, Sergio Kobal^{1,2}
¹*Department of Epidemiology, Faculty of Health Sciences. Ben Gurion University of the Negev, Israel*
²*Cardiology Department, Soroka University Medical Center, Israel*
- 17:20** **Was Two-Dimensional Strain for Diagnosing Chest Pain in the Emergency Room (2DSPER) a Negative Study Because of Poor Image Quality?**
Avinoam Shiran¹, David S. Blondheim², Sara Shimoni³, Mohamed Jabaren⁴, David Rosenmann⁵, Alex Sagie⁶, David Leibowitz⁷, Marina Leitman⁸, Micha Feinberg⁹, Ronen Beer⁷, Ihab Asmer¹, Majdi Ganaaem¹, Noah Liel-Cohen¹⁰
¹*Cardiology, Lady Davis Carmel Medical Center*
²*Cardiology, Hillel Yaffe Medical center*
³*Cardiology, Kaplan Medical Center*
⁴*Cardiology, Haemek Medical Center*
⁵*Cardiology, Shaare Zedek Medical Center*
⁶*Cardiology, Rabin Medical Center*
⁷*Cardiology, Hadassah-Hebrew University Medical Center*
⁸*Cardiology, Assaf Harofeh Medical Center*
⁹*Heart Center, Sheba Medical Center*
¹⁰*Cardiology, Soroka University Medical Center*
- 17:30** **Effect of Patient Position on Detection of Patent Foramen Ovale by Simultaneously Performed Transcranial Doppler and Transesophageal ECHO**
David S. Blondheim^{1,3}, Sergio Sabetay^{2,3}
¹*Unit of Non-Invasive Cardiology, Hillel Yaffe Medical Center, Hadera, Israel*
²*Department of Neurology, Hillel Yaffe Medical Center, Hadera, Israel*
³*Affiliated with the Technion, Faculty of Medicine, Haifa, Israel*
- 17:40** **Prevalence of Diastolic Dysfunction among Consecutive Patients with CVD Risk Factors Referred for Echocardiography**
Mady Moriel, Adi Butnaru, Marc Klutstein, Shmuel Gottlieb, Feras Bayya, Rivka Farkash, Michael Glikson, David Rosenmann
Jesselson Integrated Heart Center, Shaare Zedek Medical Center, Israel
- 17:50** **Restrictive Filling Pattern in the Echo Lab**
 Marina Leitman^{1,2}, Levitan Marina², Vladimir Tyomkin¹, Zvi Vered^{1,2}
¹*Department of Cardiology, Assaf Harofeh Medical Center, Israel*
²*Sackler School of Medicine, Tel Aviv University, Israel*



16:00-18:00 S11 - ACSIS & Beyond

Chairs: David Hasdai, Shlomi Matetzky, Israel

HEB Hall C - Holon

- 16:00** **Predictors of Time from Symptom Onset to First Medical Contact in the Digital Telemedicine Era**
Elad Maor^{1,2}, Yitzhak Abend⁴, Diab Ganem³, Fabio Kuzniec³, Amir Lerman^{4,5}, Offer Amir^{3,4}
¹The Olga & Lev Leviev Heart Center, Sheba Medical Center, Israel
²Sackler School of Medicine, Tel Aviv University, Israel
³Cardiovascular Department, Poriya Medical Center, Israel
⁴SHL Telemedicine, SHL Telemedicine, Israel
⁵Cardiovascular Department, Mayo Clinic, Minnesota, USA
- 16:10** **Trends and Predictors of Pre-Hospital Delay in Patients Undergoing Primary Coronary Intervention**
Gilad Margolis, sevan Letourneau-Shesaf, Shafik Khoury, Natalia Kofman, Gad Keren, Yacov Shacham
 Department of Cardiology, Tel-Aviv Sourasky Medical Center, Israel
- 16:20** **Quality Indicators in Acute Myocardial Infarction Care: An International Comparison**
Oren Zusman^{1,2}, Owen Bebb³, Marlous Hall³, Tatandashe Dondo³, Ran Kornowski^{1,2}, Chris Gale³, Zaza Iakobishvili^{1,2}
¹Department of Cardiology, Rabin Medical Center, Israel
²Sackler Faculty of Medicine, Tel-Aviv University, Israel
³Leeds Institute of Cardiovascular and Metabolic Medicine, University of Leeds, UK
- 16:30** **Characteristics and Outcomes of Cancer Patients Presenting with Myocardial Infarction**
Osnat Itzhaki Ben Zadok^{1,2}, David Hasdai^{1,2}, Shmuel Gottlieb^{3,4}, Avital Porter^{1,2}, Roy Beigel^{2,5}, Tal Cohen⁶, Nir Shlomo⁶, Ran Kornowski^{1,2}, Zaza Iakobishvili^{1,2}
¹Cardiology Department, Rabin Medical Center, Israel
²Sackler Faculty of Medicine, Tel Aviv University, Israel
³Department of Cardiology, Shaare Zedek Medical Center, Israel
⁴Faculty of Medicine, Hebrew University of Jerusalem, Israel
⁵Department of Cardiology, Sheba Medical Center, Israel
⁶Department of Statistics, Israeli Center of Cardiovascular Research, Israel
- 16:40** **Incidence, Predictors and Prognostic Implications of Dyspnea at Admission Among Acute Coronary Syndrome Patients Without Heart Failure**
Gil Marcus¹, Shay Shimoni², Shlomy Matetzky³, Ilya Kumets¹, Bethlehem Mengesha¹, Itzhak Vitkon Barkay¹, Alex Blatt¹, Shmuel Fuchs¹
¹Cardiology Division, Asaf Harofe Medical Center, Israel
²Department of Hematology, Belinson Hospital, Rabin Medical Center, Israel
³Leviv Heart Center, The Chaim Sheba Medical Center, Israel



- 16:50 Long Term Renal Outcomes and Mortality Following Persistent Renal Injury Among Myocardial Infarction Patients Treated by Primary Percutaneous Intervention**
Natalia Kofman, Gilad Margolis, Amir Gal-Oz, Sevan Letourneau-Shesaf, Gad Keren, Zach Rozenbaum, Yacov Shacham
Cardiology, Tel Aviv Sourasky (Ichilov) Medical Center, Israel
- 17:00 Guideline Recommended Therapies and Clinical Outcomes According to the Risk for Recurrent Cardiovascular Events after an Acute Coronary Syndrome**
Yoav Hammer^{1,3}, Zaza Iakobishvili^{1,3}, David Hasdai^{1,3}, Ilan Goldenberg^{2,3,4}, Nir Shlomo⁴, Ran Kornowski^{1,3}, Alon Eisen^{1,3}
¹*Cardiology Department, Rabin Medical Center, Beilinson Campus, Israel*
²*The Leviev Heart Center, Sheba Medical Center, Tel Hashomer, Israel*
³*Sackler School of Medicine, Tel Aviv University, Israel*
⁴*Israeli Association for Cardiovascular Trials, Sheba Medical Center, Israel*
- 17:10 The Outcome of Patients Admitted for Acute-Coronary Syndrome During "Off-Hours"**
 Ilya Litovchik^{1,4}, Ilan Goldenberg^{2,4}, Roy Beigel^{2,4}, Zaza Iakobishvili^{3,4}, David Pereg⁵, Nir Shlomo^{2,4}, Shmuel Fuchs^{1,4}, Sa'ar Minha^{1,4}
¹*Cardiology, Assaf-Harofeh Medical Center, Israel*
²*Leviev Heart Center, Sheba Medical Center, Israel*
³*Cardiology, Clalit Health Services, Israel*
⁴*Sackler School of Medicine, Tel-Aviv University, Israel*
⁵*Cardiology, Meir Medical Center, Israel*
- 17:20 A Temporal Trends Analysis Showing Improved Outcomes among Women with Acute Coronary Syndrome: The ACSIS Registry Data (2000-2016)**
Alon Eisen¹, Tali Porter¹, Ilan Goldenberg², Tal Cohen², Ran Kornowski¹
¹*Cardiology, Rabin Medical Center- Beilinson, Israel*
²*Cardiology, Heart Center, Chaim Sheba Medical Center, Tel Hashomer, Israel*
- 17:30 Temporal Trends Analysis (2000-2016) of Patients with Prior Coronary Artery Bypass Graft Surgery who are Admitted with an Acute Coronary Syndrome**
Ilan Marcuschamer¹, Zaza Iakobishvili¹, Abid Assali¹, Hana Vaknin-Assa¹, Roy Beigel², Tal Cohen², Ilan Goldenberg², Ran Kornowski¹, Alon Eisen¹
¹*Cardiology Department, Beilinson-Rabin Hospital, Petah Tikvah, Israel*
²*Cardiology Department, Sheba Academic Medical Center Hospital - Tel Hashomer, Ramat Gan, Israel*



17:40 Acute Kidney Injury Based on the KDIGO among ST Elevation Myocardial Infarction Patients Treated by Primary Percutaneous Intervention

Gilad Margolis¹, Amir Gal Oz², Sevan Letourneau Shesaf¹, Shafik Khoury¹, Gad Keren¹, Yacov Shacham¹

¹Department of Cardiology, Tel-Aviv Sourasky Medical Center, Israel, Israel

²Department of Nephrology, Tel-Aviv Sourasky Medical Center, Israel

17:50 Characteristics and Prognosis of Patients with Acute Coronary Syndrome Complicated by Ventricular Tachyarrhythmia in the Last Decade

Ella Yahud¹, Oran Tzuman¹, Olga Kaplun-Baskin¹, Yana Yadgarov¹, Avishag Laish-Farkash¹, Gergana Marincheva¹, Ilan Goldenberg², Eli Lev¹, Elad Asher¹

¹Cardiology Division, Assuta Ashdod University Hospital, Israel

²Leviv Heart Center, Sheba Medical Center, Israel

16:00-18:00 S12 - Women in Cardiology

Chairs: **Ariane Marelli, Canada, Avital Porter, Israel, Mary Walsh, USA**

ENG Hall H -Haifa

16:00 Female Leadership in Cardiology: Is there a Glass Ceiling?

Avital Porter

Israel

16:15 Women and Congenital Heart Disease- How We Continue to Impact Change?

Ariane Marelli

McGill University Health Center, Montreal, Quebec, Canada

16:30 Heart Failure in Women

Mary Walsh

Immediate Past President, American College of Cardiology, Indianapolis, IN, USA

16:45 Heart Disease in Minority Women in Israel

Donna Zfat-Zwas

Israel

17:00 Outcome of Acute Coronary Syndrome in Women ≥ 80 Years Versus Those 80 Years in Israel from 2000 to 2016

Roy Rubinstein^{1,3}, Shlomi Matetzky^{1,3}, Roy Beigel^{1,3}, Zaza Iakobishvili^{2,3}, Ilan Goldenberg^{1,3}, Michael Shechter^{1,3}, on behalf of the ACSIS investigators³

¹Leviv Heart Center, Chaim Sheba Medical Center, -, Israel

²Cardiology Department, Rabin Medical Center, Israel

³The Sackler Faculty of Medicine, Tel Aviv University, Israel



- 17:10** **Short-Term Psychological Intervention in the Management of Psychological Factors Among Women Referred to the Women`s Heart Clinic**
 Noa Dalal², Irit Heruti², Yishai Manor², Adi Stansill², Ilana Gezel¹, Kornowski Ran¹, Avital Porter¹
¹Cardiology, Rabin Medical Center- Bilinson, Israel
²Psychology, Rabin Medical Center- Bilinson
- 17:20** **Blood Tests during Pregnancy that May Predict Long-Term Cardiovascular Morbidity**
 Shira Yuval Bar-Asher¹, Alexander Shefer^{2,7}, Ilana Shoam Vardi³, Ruslan Sergienko³, Arik Wolak^{4,7}, Eyal Sheiner^{5,7}, Talya Wolak^{6,7}
¹Faculty of Health Sciences, Joyce & Irving Goldman Medical School, Ben-Gurion University of the Negev, Israel
²Internal Medicine Department H, Soroka University Medical Center, Israel
³Department of Public Health, Faculty of Health Sciences, Ben-Gurion University of the Negev, Israel
⁴Cardiology Department, Shaare Zedek Medical Center, Please Select, Israel
⁵Department of Obstetrics and Gynecology, Soroka University Medical Center, Israel
⁶Division of Internal Medicine,, Shaare Zedek Medical Center, Israel
⁷Faculty of Health Sciences, Ben-Gurion University of the Negev, Israel
- 17:30** **Panel Discussion**

16:00-18:00 **S13 - Atrial Fibrillation- Non Invasive Therapy**
 Chairs: **Avishag Layash Farkash, Mahmoud Suleiman, Israel**

HEB Hall I - Zefat

- 16:00** **Net Clinical Benefit of Anticoagulant Treatments in Elderly Patients with Non-Valvular Atrial Fibrillation**
Hilmi Alnsasra¹, Moti Haim¹, Orna Reges², Ran Balicer², Morton Leibowitz², Moshe Hoshen², Meytal Avgil-Tsadok²
¹Cardiology Department, Soroka Medical Center, Israel
²Research Institute, Clalit Health Services, Israel
- 16:10** **Stroke, Bleeding and Death in Patients with Chronic Kidney Disease and Atrial Fibrillation**
Yoav Arnon^{1,3,5}, Moshe Hoshen⁵, Adi Berliner-Sendrey⁵, Orna Reges⁵, Hagai Weinberg^{2,5}, Ran Balicer^{5,6}, Morton Leibowitz⁵, Meytal Avgil Tsadok⁵, Moti Haim^{4,5,6}
¹Cardiology Department, Meir Medical Center, Israel
²Internal medicine "B", Meir Medical Center, Israel
³Sackler Faculty of Medicine, Tel Aviv University, Israel
⁴Cardiology Department, Soroka Medical Center, Israel
⁵Clalit Research Institute, Clalit Health Services, Israel
⁶Faculty of Health Sciences, Ben Gurion University of the Negev, Israel



- 16:20 Use of Novel Oral Anticoagulants in Patients with Atrial Fibrillation and Moderate to Severe Renal Dysfunction: Findings from a Prospective National Registry**
Hagai Yavin¹, Ilan Goldenberg², Avishay Elis³, Avi Sabbag², Robert Klempfner², Nir Shlomo², Ariel Israel², Gregory Golovchiner¹, Alon Barsheshet¹
¹Department of Cardiology, Beilinson Campus, Rabin Medical Center, Petah Tikva, Israel, affiliated with the Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel
²Leviv Heart Center, Chaim Sheba Medical Center, Tel Hashomer, Israel, affiliated with the Sackler School of Medicine, Tel-Aviv University, Tel Aviv, Israel
³Department of Internal Medicine C, Beilinson Campus, Rabin Medical Center, Petah Tikva, Israel, affiliated with the Sackler School of Medicine, Tel-Aviv University, Tel Aviv, Israel
- 16:30 Comparison of Left and Right Atrial Thrombus Formation and Coagulation Activity in Patients with Atrial Fibrillation**
 Ehud Chorin¹, Michal Cipok², Varda Doitch², David Varon², Erel Jaffe², Aviram Hochstadt¹, Ohad Bentur², Liron Hadad¹, Sami Viskin¹, Raphael Rosso¹
¹Department of Cardiology, Tel Aviv Sourasky Medical Center, Israel
²Department of Hematology, Tel Aviv Sourasky Medical Center, Israel
- 16:40 Predictors for Inadequate Utilization of Oral Anticoagulant in Patients with Atrial Fibrillation in the Clalit Health Services in Israel. Clinical Outcome and Public Health Implications**
Nahum Freedberg¹, Sophia Eilat-Tsanani², Alexander Feldman¹, Dante Antonelli¹, Yoav Turgeman¹
¹Cardiology Department, HaEmek Medical Center, Israel
²Department of Family Medicine, Bar Ilan University, Israel
- 16:50 An Improved Risk Score for "Low-Risk" Atrial Fibrillation Patients with 0 and 1 Risk Factors**
Yoav Arnon^{1,2,3}, Moshe Hoshen², Adi Berliner Senderey², Orna Reges², Ran Balicer^{2,5}, Morton Leibowitz², Meytal Avgil Tsadok², Moti Haim^{2,4,5}
¹Cardiology Department, Meir Medical Center, Israel
²Clalit Research Institute, Clalit Health Services, Israel
³Sackler Faculty of Medicine, Tel Aviv University, Israel
⁴Cardiology Department, Soroka Medical Center, Israel
⁵Faculty of Health Sciences, Ben Gurion University of the Negev, Israel



- 17:00** **Trends in Oral Anticoagulant Therapy In Patients with None-Valvular Atrial Fibrillation in the Clalit Health Services HMO in Israel: Focus on Noval Oral Anti-Coagulants adoption**
Nahum Freedberg¹, Sophia Eilat-Tsanani², Alexander Feldman¹, Ofir Koren¹, Yoav Turgeman¹
¹Cardiology Department, HaEmek Medical Center, Israel
²Department of Family Medicine, Bar-Ilan University, Israel
- 17:10** **Atrial Premature Complexes during Exercise Stress Testing and the Risk for the Development Atrial Fibrillation in Patients Undergoing Cardiac Rehabilitation**
Arwa Younis, Eyal Nof, Ariel Israel, Ilan Goldenberg, Avi Sabbag, Michael Glikson, Yael Peled, Eias Massalha, Robert Klempfner, Roy Beinart
Cardiology, Sheba Medical Center, Israel
- 17:20** **Pulmonary Edema after Cardioversion of Atrial Fibrillation**
Ilija Davarashvili, Moshe Rav Acha, Rivka Farkash, Michael Glikson, Tal Hasin
Cardiology, Shaare Zedek Medical Center, Israel
- 17:30** **Effect of Digoxin Therapy on Patients with Atrial Fibrillation**
JaYanah Morad^{1,2}, Ksynea Epstein², Iftach Sagy^{1,2}, Victor Novack^{1,2}, Moti Haim^{2,3}
¹Clinical Research Center, Soroka University Medical Center, Israel
²Faculty of Health Sciences, Ben Gurion University of the Negev, Israel
³Electrophysiology and Pacemakers Unit, Soroka University Medical Center, Israel
- 17:40** **Contact Free Technology to Identify Atrial Fibrillation**
Anat Milman¹, Noa Pasternak², Eitan Segal², Zvika Shinar², Yoav Michowitz¹
¹Department of Cardiology, Tel Aviv Medical Center and Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Please Select, Israel
²EarlySense, EarlySense Ltd., Israel
- 17:50** **Neutrophil to Lymphocyte Ratio Is Associated with Increased Risk of New Atrial Fibrillation among Asymptomatic Middle Age Adults**
Anat Berkovitch, Arwa Younis, Yechezkel Sidi, Shay Kivity, Shlomo Segev, Ilan Goldenberg, Elad Maor
Leviev Heart Center, Sheba Medical Center, Israel



16:00-18:00 S14 - Comprehensive Cardiac ImagingChairs: **Aryeh Shalev, Arik Wolak, Israel****HEB** Hall J - Tiberias

- 16:00** **Quantifying Pathologic Left Ventricular Hypertrophy by Mismatch of Coronary Artery Blood Volume to Myocardial Mass**
Ashraf Hamdan¹, Mithal Nassar¹, Daniel Monakier¹, Abid Assali¹, Gideon Shafir², Hana Vaknin-Assa¹, Israel Barbash³, Orly Goitein⁴, Ran Kornowski¹, Ehud Schwammenthal³
¹Cardiology Department, Rabin Medical Center, Israel
²Radiology Department, Rabin Medical Center, Israel
³Cardiology, Sheba Medical Center, Israel
⁴Radiology Department, Sheba Medical Center, Israel
- 16:10** **Prognostic Implications of Small Left Atria on Hospitalized Patients**
Zach Rozenbaum¹, Galit Aviram³, Yoav Granot², David Pereg⁴, Gad Keren¹, Shlomo Berliner², Yan Topilsky¹
¹Cardiology, Tel Aviv Medical Center, Affiliated to the Sackler faculty of Medicine, Tel Aviv University, Israel
²Internal Medicine, Tel Aviv Medical Center, Affiliated to the Sackler faculty of Medicine, Tel Aviv University, Israel
³Radiology, Tel Aviv Medical Center, Affiliated to the Sackler faculty of Medicine, Tel Aviv University, Israel
⁴Cardiology, Meir Medical Center, Kfar Saba, Israel
- 16:20** **Prevalence of Myocardial Bridging in Patients with Hypertrophic Cardiomyopathy: A Coronary Computed Tomography Study**
Mithal Nassar¹, Daniel Monakier¹, Gideon Shafir³, Ziad Arow², Ran Kornowski¹, Ashraf Hamdan¹
¹Cardiology, Rabin Medical Center, Israel
²Internal medicine, Rabin Medical Center, Israel
³Radiology, Rabin Medical Center, Israel
- 16:30** **Pericardial fat and the Risk of Atrial Tachy-arrhythmia Recurrence Post Pulmonary Vein Isolation: A Computed Tomography Study**
Gustavo R. Goldenberg, Gustavo R. Goldenberg, Gregory Golovchiner, Alex Omelchenko, Ehud Kadmon, Alon Barsheshet, Hagai Yavin, Mithal Nassar, Ran Kornowski, Ran Kornowski, Ashraf Hamdan, Ashraf Hamdan
Cardiology, Rabin Medical Center, Israel
- 16:40** **Prevalence of Myocardial Crypts in the Hypertrophied Heart: a Computed Tomography Study**
Ziad Aro, Mithal Nassar, Daniel Monakier, Tamir Bental, Gideon Shafir, Abid Assali, Hana Vaknin-Assa, Ran Kornowski, Ashraf Hamdan
Department of Cardiology, Rabin Medical Center, Israel



- 16:50** **The Role of Left Ventricular Circumferential Rotation in Functional Mitral Regurgitation Mechanism**
Daniel Mann¹, Tal Hasin¹, Naama Bogot², Max Godfrey¹, Aryeh Shalev³, Shemi Carasso⁴, Michael Welt¹, Michael Glikson¹, Arik Wolak¹
¹Department of Cardiology, Shaare Zedek Medical Center, Israel
²Department of Radiology, Shaare Zedek Medical Center, Israel
³Department of Cardiology, Soroka University Medical Center, Israel
⁴Department of Cardiology, Baruch Padeh Medical Center, Israel
- 17:00** **Pilot Measurements of Coronary Flow Reserve (CFR) and Comparison to Myocardial Perfusion Imaging (MPI) using Dynamic and Gated Stress/Rest ^{99m}Tc-SESTAMIBI CZT-SPECT**
Alexander Krakovich¹, Israel Moalem³, Alexei Naimushin³, Eli Rozen³, Mickey Scheinowitz¹, Ronen Goldkorn^{2,3}
¹Department of Biomedical Engineering, Tel Aviv University, Israel
²Sakler School of Medicine, Tel Aviv University, Israel
³The Leviev Heart Center, Sheba Medical Center, Tel Hashomer, Israel

16:00-18:00 **S15 - Joint Session: AFICARDIO – Endocarditis**

Chairs: **Azaria Rein, Amiram Nir, Israel**

ENG Hall 3 - Ashdod

- 16:00** **Diagnostic and Treatment of Atrioventricular Blocks On Foetus Exposed to Auto Immune Antibodies of His Mother**
Zeev Perles
Israel
- 16:30** **Congenital Aortic Disease. Which Differences with Adult Cardiopathy (Tolerance, Treatment, Pregnancy Project)**
Laurence Iserin
France
- 17:00** **Cardiac Interventions on Foetus**
Sagui Gavri
Israel
- 17:30** **Tetralogy of Fallot in Adulthood: Indications for Re-Evaluation**
Marielle Gouton
France



16:00-18:00 S16 - Joint Session with Israel Society Of Cardiothoracic Surgery (ISCTS) & Society of Cardiothoracic Surgeons of South Africa (SAACTS)
Chair: **Gil Bolotin, Yanai Ben-Gal, Israel, Jacques Scherman, South Africa**
ENG Hall 4 - Be'er-Sheva

- 16:00 Implications of the ART Trial for CABG in 2018**
David Taggart
Oxford University, Oxford, UK
- 16:10 Anatomical and Clinical Considerations of Valve Selection During Surgical AVR for Future Successful TAVI Valve in Valve**
Danny Dvir
Canada
- 16:20 Using Regionalized Thoracic Organ Recovery and Technology to Increase Heart and Lung Transplantation and Improve Outcomes**
Hassan Tetteh¹, Preben Brandenhoff³, Robert Higgins²
¹*Surgery, Uniformed Services University of the Health Sciences, Maryland, USA*
²*Surgery, Johns Hopkins University, Maryland, USA*
³*Cardiothoracic Surgery, University of Copenhagen, Copenhagen, Denmark*
- 16:30 Simulation Training in Cardiothoracic Surgery: An Essential Requirement for Future Training Programs?**
Francis E Smit, Jehron Pillay
Cardiothoracic Surgery, University of the Free State, Free State, South Africa
- 16:40 Biological Tissue Alternatives for Africa**
Francis E Smit, Leana Laker, Lezelle Botes, Hans van den Heever, Dreyer Bester
Cardiothoracic Surgery, University of the Free State, Free State, South Africa
- 16:50 Redo Minimally Invasive Off-Pump Coronary Artery Bypass Surgery in Off-Pump Era**
Doosang Kim
Thoracic and Cardio-vascular Surgery, Veterans Health Service Medical Center, South Korea
- 17:00 Open Heart Surgery in Patients with Autoimmune Diseases – A 1-Year, Single Center Experience**
Branislav Stojkovic¹, Ivan Stojanovic¹, Predrag Milojevic¹, Vera Maravic-Stojkovic¹, Milorad Borzanovic¹, Milica Miljkovic², Milovan Bojic¹
¹*Cardiac Surgery, Dedinje Cardiovascular Institute, Serbia*
²*Biochemistry, School of Pharmacy, Serbia*



17:10 New Long-Term Data Show Improved Survival and Lower Rates of Stroke and Pump Thrombosis for HM 3 Heart Pump

Nir Uriel

University of Chicago Medical Center, Chicago, IL, USA

17:20 Distribution and Results in Redo Cardiac Surgery

Oren Lev - Ran, Menachem Matsa, Shlomo Yaron Ishay, Mahmud Abu Salah, Leonid Ruderman, Dan Abrhamov, Gideon Sahar

Cardiothoracic Surgery Department, Soroka Medical Univesity Center, Beer Sheva, Israel

17:30 Predicting Fluid Responsiveness Using Passive Leg Raising Early After Left Ventricular Assist Device Implantation - A Prospective Study

Eilon Ram¹, Daniil Dourov³, Haim Birkenstadt², Jacob Lavee¹, Yigal Kassif¹, Yael Peled-Potashnik⁴, Dina Kogan¹, Sergey Preisman², Ehud Raanani¹, Alexander Kogan¹

¹*Department of Cardiac Surgery, Sheba Medical Center, Israel*

²*Anesthesia, Sheba Medical Center, Israel*

³*Anesthesia, The Baruch Padeh Medical Center, Israel*

⁴*Department of Cardiology, Sheba Medical Center, Israel*

17:40 Evaluating a Bioprosthetic Anterior Mitral Valve Leaflet Made from Autologous Jugular Vein and Expanded Polytetrafluoroethylene (ePTFE) Chordae in a Sheep Model

Jacques T. Janson

Cardiothoracic Surgery, Stellenbosch University, Tygerberg, South Africa



WEDNESDAY, APRIL 25, 2018

08:00-10:00 **S17 - Interventional Cardiology: Joint Session with Israel Society of Cardiothoracic Surgery (ISCTS)**

Chairs: **Haim Danenberg, Leonid Sternik, Israel** **ENG** **HEB** **Hall A -Tel Aviv**

08:00 **Efficacy and Safety of New Generation Transcatheter Aortic Valves: Insights from the Israeli**

Transcatheter Aortic Valve Implantation Registry

Zach Rozenbaum^{1,2}, Ariel Finkelstein^{1,2}, Arie Steinvil^{1,2}, Amir Halkin^{1,2}, Shmuel Banai^{1,2}, Israel Barbash^{2,4}, Amit Segev^{2,4}, Victor Guetta^{2,4}, Haim Danenberg⁵, Katia Orvin^{2,3}, Hana Vaknin Assa^{2,3}, Abid Assali^{2,3}, Ran Kornowski^{2,3}

¹Cardiology, Sourasky Tel Aviv Medical Center, Israel

²Sackler Faculty of Medicine, Tel Aviv University, Israel

³Cardiology, Rabin Medical Center, Israel

⁴Cardiology, Sheba Medical Center, Israel

⁵Cardiology, Hadassah Hebrew University Medical Center, Israel

08:10 **The Impact of Heart Team Discussion on Decision Making for Coronary Revascularization in Patients with Multivessel Coronary Artery Disease. Something New is Happening**

Eli Yohanan, Louise Kezerle, Avshalom Cohen, Miri Merkin, Rosenstein Gabriel, Yaron Ishay, John Mark Weinstein, Yuri Kalishian, Gideon Sa'ar, Doron Zahger, Carlos Cafri

Cardiology, Soroka Medical Center, Israel

08:20 **Real-Life Outcomes of Diabetic Patients Undergoing Surgical or Percutaneous Revascularization for Multi-Vessel Coronary Artery Disease**

Eilon Ram¹, Ilan Goldenberg², Yigal Kassif¹, Amit Segev², Jacob Lavee¹, Nir Shlomo², Ehud Raanani¹

¹Department of Cardiac Surgery, Leviev Cardiothoracic and Vascular Center, Sheba Medical Center, Israel

²Department of Cardiology, Leviev Cardiothoracic and Vascular Center, Sheba Medical Center, Israel

08:30 **Efficacy and Safety of Left Atrial Appendage Occlusion Device Implantation (Watchman) for High Risk Patients**

Dan Haberman, Igor Volodarsky, Moshe Swissa, Liaz Zilberman, Jacob Gerge, Michael Jonas

Department of Cardiology, Kaplan Medical Center, Israel



- 08:40 Percutaneous Valve-in-Valve implantation for the Treatment of Aortic, Mitral and Tricuspid Structural Bioprosthetic Valve Degeneration**
Pablo Codner¹, Uri Landes¹, Abid Assali¹, Ram Sharoni², Hana Vaknin-Assa¹, Katia Orvin¹, Amos Levi¹, Yaron Shapira¹, Shmuel Schwartzberg¹, Ashraf Hamdan¹, Tamir Bental¹, Alik Sagie¹, Ran Kornowski¹
¹Cardiology Department, Rabin Medical Center & Sackler Faculty of Medicine - Tel Aviv University, Petah Tikva, Israel
²Cardio-thoracic Surgery Department, Rabin Medical Center & Sackler Faculty of Medicine - Tel Aviv University, Petah Tikva, Israel
- 08:50 Supra Annular Versus Annular Trans-Catheter Aortic Valve Implantation in Patients with Small Aortic Valve Anatomy: Does it Really Matter?**
Meir Tabi, Yaron Almagor, Jonathan Balkin, Rami Jubeh, David Rosenmann, Rivka Farkash, Carmit Ben Ami, Rafael Wolff
 Cardiology, Shaare Zedek Medical Center, Israel
- 09:00 Outcomes of Surgical Aortic Valve Replacement in Patients Discussed in the Trans-Catheter Aortic Valve Replacement Heart Team**
Reut Shavit¹, Yaron Shapira², Alexander Sagie², Abed Assali², Hana Vaknin-Assa², Katia Orvin², Ashraf Hamdan², Pablo Codner², Uri Landes², Amos Levi², Yoav Hammer², Eitan Snir¹, Dan Aravot¹, Ran Kornowski², Ram Sharony¹
¹Department of Cardiothoracic Surgery, Rabin Medical Center, Israel
²Department of Cardiology, Rabin Medical Center, Israel
- 09:10 Left Atrial Pressure and Predictors of Survival after Percutaneous Mitral Paravalvular Leak Closure**
Elad Maor^{1,2}, Claire Raphael³, Sidakpal Panaich³, Mohamad Alkhouli³, Allison Cabalka³, Donald Hagler³, Peter Pollak³, Guy Reeder³, Mackram Eleid³, Charanjit Rihal³
¹The Olga & Lev Leviev Heart Center, Sheba Medical Center, Israel
²Sackler School of Medicine, Tel Aviv University, Israel
³Department of Cardiovascular Disease, Mayo Clinic, Minnesota, USA
- 09:20 MitraClip Therapy in Patients with Acute Severe Mitral Regurgitation**
Anna Turyan, Ivaylo Tonchev, Ilgar Tahiroglu, Chaim Lotan, Dan Gilon, David Planer, Haim D. Danenberg, Ronen Beeri, Mony Shuvy
 Heart Institute, Hadassah Hebrew University Medical Center, Israel
- 09:30 Trans-Catheter Aortic Valve Implantation using the ACURATE Neo Valve – Single Center Experience with Mid-Term Follow Up**
Meir Tabi, Yaron Almagor, Jonathan Balkin, Rami Jubeh, David Rosenmann, Rivka Farkash, Carmit Ben Ami, Rafael Wolff
 Cardiology, Shaare Zedek Medical Center, Israel



09:40 **Innovation in TAVI : Safer and Better**
Stephen Brecker
St. George's University Hospitals NHS London, UK

08:00-10:00 **S18 - Echocardiography in Valvular Surgery - More Than Pretty Pictures**
Chairs: **Dan Gilon, Oz Shapira, Yaron Shapira, Israel**

ENG HEB Hall B - Petah Tikva

08:00-18:15 **Surgical Approaches to Mitral Valve Repair**
Marc Gillinov
Cleveland Clinic, Cleveland, OH, USA

08:15-08:45 **Preoperative Echo Assessment of Mitral Disease**
Ronen Beeri
Israel

08:45-08:55 **Mitral Valve Repair with Trans-Apical off-Pump Neochord Technique: Hemodynamic Effects, Morbidity and Mortality**
Sergei Amunts¹, Alexander Lipey¹, Ori Vaturi², Shany Levin Levin¹, Ehud Raanani¹
¹*Cardiac Surgery, Sheba Medical Center, Tel Hashomer, Tel-Aviv University, Israel*
²*Cardiological department, Sheba Medical Center, Tel Hashomer, Tel-Aviv University, Israel*

08:55-09:05 **Late Outcomes of Mitral Valve Repair in Infective Endocarditis Compared to Repair of Degenerative Mitral Valve Without Endocarditis**
Hillit Cohen, Leonid Sterink, Alexander Lipey, Alexander Kogan, Sergei Amontz, Raphael Kupershtein, Shani Levin, Ehud Raanani
Cardiothoracic Surgery, Tel Aviv University, Israel, Israel

09:05-09:15 **Long-Term Outcomes of Tricuspid Valve Repair or Replacement in Patients Undergoing Mitral Valve Replacement for Rheumatic Mitral Valve Disease with Severe Tricuspid Regurgitation**
Ram Sharony^{1,3}, Alexander Sagie^{2,3}, Yaron Shapira^{2,3}, Mordehay Vaturi^{2,3}, Tamir Bental^{2,3}, Shani Kaptzon¹, Shmuel Schwartzberg^{2,3}, Ran Kornowski^{2,3}, Dan Aravot^{1,3}
¹*Department of Cardiothoracic Surgery, Rabin Medical Center, Israel*
²*Department of Cardiology, Rabin Medical Center, Israel*
³*Sackler Faculty of Medicine, Tel Aviv University, Israel*



- 09:15-09:25 Sildenafil for the Treatment of Pulmonary Hypertension in the Early Postoperative Period after Mitral Valve Surgery**
Eilon Ram¹, Leonid Sternik¹, Eyal Nachum¹, Robert Klempfner², Dina Kogan¹, Michael Eldar², Ilan Goldenberg², Ehud Raanani¹, Alexander Kogan¹
¹Department of Cardiac Surgery, Leviev Cardiothoracic and Vascular Center, Sheba Medical Center, Israel
²Department of Cardiology, Leviev Cardiothoracic and Vascular Center, Sheba Medical Center, Israel
- 09:25-09:35 Evaluation of Immediate and Long-Term Results of Mitral Valve Plasty by Echocardiography**
Aleksey Novikov, Marina Uimanova, Igor Borisov
 The Center of Cardiovascular Surgery, P.V. Mandryka Central Military Clinical Hospital, Russian Ministry of Defense, MO, Russia
- 09:35-09:45 Long-Term Outcomes of 717 Consecutive Patients Treated with Transcatheter Aortic Valve Implantation and Propensity Score Matched-Analysis of Early Versus New Generation Valves**
Amos Levi^{0,1}, Uri Landes^{0,1}, Abid R Assali^{0,1}, Hana Vaknin-Assa^{0,1}, Pablo Codner^{0,1}, Ashraf Hamdan^{0,1}, Yaron Shapira^{0,1}, Shmuel Schwartzberg^{0,1}, Ram Sharony^{0,1}, Katia Orvin^{0,1}, Leor Perl^{0,1}, Mordechai Vaturi^{0,1}, Alexander Sagie^{0,1}, Ran Kornowski^{0,1}
⁰Cardiology, Rabin Medical Center, Israel
¹Sackler Faculty of Medicine, Tel Aviv University, Israel
- 09:45-10:00 Panel Discussion**

08:00-10:00 S19 - Hot Topics in Pacing and Electrophysiology

Chairs: **Jorge Schliamser, Moshe Swissa, Israel**

HEB Hall C - Holon

- 08:00 The Approach for Transcatheter Aortic Valve Implantation as a Predictor of Subsequent Need for Permanent Pacemaker Implantation**
Guy Rozen^{1,2}, Seyed Mohammadreza Hosseini², Yitschak Biton², M. Ihsan Kaadan², E. Kevin Heist², Moussa Mansour², Jeremy Ruskin²
¹Cardiovascular Institute, Baruch Padeh Medical Center, Israel
²Cardiac Arrhythmia Service, Massachusetts General Hospital, Massachusetts, USA
- 08:10 The Utility of Prophylactic Pacemaker Implantation in Patients with Pre-TAVI RBBB**
Sevan Letourneau-Shesaf, Oholi Tovia Brodie, Aviram Hochstadt, Arie Steinvil, Raphael Rosso, Ariel Finkelstein, Yoav Michowitz
 Cardiology, Tel-Aviv Sourasky Medical Center, Israel



- 08:20** **Single Lead AV Sequential Pacing for Acquired Atrioventricular Block During TAVI Procedures**
Asaf Danon¹, Arie Militianu¹, Jorge S Schliamser¹, William K Chan, William K Chan², Sheldon M Singh, Sheldon M Singh²
¹*Electrophysiology unit, Cardiology department, Carmel Medical Center, Israel*
²*Cardiology/Electrophysiology, Sunnybrook Health Sciences Centre, University of Toronto, Ontario, Canada*
- 08:30** **Recovery of Conduction in Patients Implanted with Permanent Pacemakers Post Transcatheter Aortic Valve Replacement is Common**
Hillel Steiner, Lisa Manevich, Michael Geist, Olga Benko, Svetlana Katsovich, Vladimir Turkisher, Zev Halfin, Valentin Witzling, Doron Menachemi, Yoseph Rozenman
Department of Cardiology, The Edith Wolfson Medical Center, Israel
- 08:40** **Transvenous Lead Extraction with Laser Reduces Need for Femoral Approach but Not Complications or Success Rates**
Arwa Younis¹, David Luria³, Roy Beinart¹, Michael Glikson², Eyal Nof¹
¹*Cardiology, Sheba Medical Center, Israel*
²*Cardiology, Shaare Zedek Medical Center, Israel*
³*Cardiology, Hadassah Medical Center, Israel*
- 08:50** **Initial Experience with Hybrid Lead Extraction**
Yair Elitzur¹, Ori Wald², Amit Korach², Uzi Yizhar², Ayelet Shauer¹, Oz Shapira², Ehud Rudis², Mohamad Afifi¹, David Orenstein¹, Ahmed Hadieh¹, David Luria¹
¹*Department of Cardiology, Hadassah Medical Center, Israel*
²*Department of Cardiothoracic Surgery, Hadassah Medical Center, Israel*
- 09:00** **Competing Risks for Ventricular Tachyarrhythmias Prior to Death in Patients with Severely Impaired Renal Function with an Implantable Defibrillator**
Ido Goldenberg¹, Tal Mor¹, Eyal Nof¹, Mahmoud Suleiman⁴, Arwa Younis¹, Anat Berkovitch¹, Alon Barsheshet³, Moshe Swissa², Roy Beinart¹
¹*Cardiology, Sheba Medical Center, Israel*
²*Cardiology, Kaplan Medical Center, Israel*
³*Cardiology, Rabin Medical Center, Israel*
⁴*Cardiology, Rambam Medical Center, Israel*



- 09:10** **Developing a Risk Score to Predict Mortality in the First Year After ICD implantation. Data from the Israeli ICD Registry**
Roman Nevzorov¹, Ilan Goldenberg², Yuval Konstantino³, Gregory Golovchiner⁴, Boris Strasberg⁴, Mahmoud Souleiman⁵, Vladimir Khalameizer⁶, Ron Sela⁷, Shimon Rosenheck⁸, Nahum A. Freedberg⁹, Michael Geist¹⁰, Natalie Gabrielov-Yusim¹¹, Diklah Geva¹¹, Michael Glikson¹², Moti Haim³
¹JCCU, Barzilai University Medical Center
²Cardiology Department, Sheba Medical Center, Israel
³Electrophysiology and Pacing Unit, Soroka University Medical Center, Israel
⁴Electrophysiology and Pacing Unit, Rabin Medical Center, Israel
⁵Electrophysiology and Pacing Unit, Rambam Health Care Campus, Israel
⁶Electrophysiology and Pacing Unit, Barzilai University Medical Center, Israel
⁷Electrophysiology and Pacing Unit, Galilee Medical Center, Israel
⁸Electrophysiology and Pacing Unit, Meir Medical Center, Sackler Faculty of Medicine, Tel Aviv University
⁹Electrophysiology and Pacing Unit, HaEmek Medical Center, Israel
¹⁰Electrophysiology and Pacing Unit, Edith Wolfson Hospital, Israel
¹¹Cardiac Research Center, Sheba Medical Center, Israel
¹²Electrophysiology and Pacing Unit, Sheba Medical Center, Israel
- 09:20** **Routine Use of Screw-In Electrodes for Temporary Pacing in Emergent Cases**
Ran Eliaz, Ivaylo Tonchev, Yair Elitzur, Ayelet Shauer, David Luria
The Heart Institute, Hadassah Medical Center, Hebrew University, Ein Kerem, Israel
- 09:30** **High Yield of Tilt-Test with Isoproterenol as a Second Provocation in Tilt-Negative and Nitroglycerine Negative Syncope Patients**
Alexey Naimushin¹, Ekaterina Naimushin², David Bar-Lev¹, Michael Glikson³
¹Leviev Heart Center, Sheba Medical Center, Israel
²Faculty of Medicine, Hebrew University, Israel
³Jesselson Integrated Heart Center, Shaare Zedek Medical Center, Israel
- 09:40** **The Role of Thorough Clinical Evaluation in Inherited Arrhythmia Clinic in the Prevention, Diagnosis and Prognosis of Non Ischemic Sudden Cardiac Death**
Miry Blich, Hodaya Oron, Wisam Darawsha, Mahmoud Suleiman, Lior Gepstein, Monther Boulos
Cardiology, Rambam Health Care Campus, Israel



09:50

Gender Differences in Patients with Brugada Syndrome and Arrhythmic Events: Data from the Survey on Arrhythmic Events in 678 Patients With Brugada Syndrome (SABRUS)

Anat Milman¹, Jean-Baptiste Gourraud², Antoine Andorin², Pieter G. Postema³, Frederic Sacher⁴, Philippe Mabo⁵, Giulio Conte⁶, Carla Giustetto⁷, Georgia Sarquella-Brugada⁸, Aviram Hochstadt⁹, Sung-Hwan Kim¹⁰, Jimmy JM Juang¹¹, Shingo Maeda¹², Yoshihide Takahashi¹², Tsukasa Kamakura¹³, Takeshi Aiba¹³, Eran Leshem^{1,14}, Yoav Michowitz¹, Michael Rahkovich^{1,15}, Yuka Mizusawa³, Elena Arbelo¹⁶, Zhengrong Huang¹⁷, Isabelle Denjoy¹⁸, Yanushi D. Wijeyeratne¹⁹, Carlo Napolitano²⁰, Ramon Brugada²¹, Ruben Casado-Arroyo²², Jean Champagne²³, Leonardo Calo²⁴, Jacob Tfelt-Hansen²⁵, Silvia G. Priori²⁰, Masahiko Takagi²⁶, Christian Veltmann²⁷, Pietro Delise²⁸, Domenico Corrado²⁹, Elijah R. Behr¹⁹, Fiorenzo Gaita⁷, Gan-Xin Yan³⁰, Josep Brugada¹⁶, Antoine Leenhardt¹⁸, Arthur A.M. Wilde³, Pedro Brugada⁶, Kengo F. Kusano¹³, Kenzo Hirao¹², Gi-Byoung Nam³¹, Vincent Probst², Bernard Belhassen

¹Department of Cardiology, Tel Aviv Medical Center and Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

²L'institut du Thorax, Service de Cardiologie, CHU de Nantes, Nantes, France

³Heart Centre AMC, Department of Clinical and Experimental Cardiology, AMC, University of Amsterdam, Amsterdam, The Netherlands

⁴Hôpital Cardiologique du Haut-Lévêque & Université Bordeaux, LIRYC Institute, Bordeaux, France

⁵Cardiology and Vascular Disease Division, Rennes University Health Centre, Rennes, France

⁶Heart Rhythm Management Centre, UZ-VUB, Brussels, Belgium

⁷Division of Cardiology, University of Torino, Department of Medical Sciences, Città della Salute e della Scienza Hospital, Torino, Italy

⁸Pediatric Arrhythmias, Electrophysiology and Sudden Death Unit Cardiology, Department Hospital Sant Joan de Déu, Barcelona - Universitat de Barcelona, Spain

⁹Tel-Aviv Medical Center, Tel Aviv, Department of Internal Medicine J, Israel

¹⁰Division of Cardiology, Department of Internal Medicine, College of Medicine, The Catholic University of Korea, Seoul, South Korea

¹¹Cardiovascular Center and Division of Cardiology, Department of Internal Medicine, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

¹²Heart Rhythm Center, Tokyo Medical and Dental University, Tokyo, Japan

¹³Division of Arrhythmia and Electrophysiology, Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan

¹⁴Beth Israel Deaconess Medical Center, Boston, Massachusetts, USA



- ¹⁵Arrhythmia Services,, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada
- ¹⁶Cardiology Department, Cardiovascular Institute, Hospital Clinic and IDIBAPS, Barcelona, Catalonia, Spain
- ¹⁷Department of Cardiology, the First Affiliated Hospital of Xiamen University, Xiamen, Fujian, China
- ¹⁸Service de Cardiologie et CNMR Maladies Cardiaques Héritaires Rares, Hôpital Bichat, Paris, and Université Paris Diderot, Sorbonne, Paris, France
- ¹⁹Cardiovascular Sciences, St. George's University of London and Cardiology Clinical Academic Group St. George's University Hospitals NHS Foundation Trust, London, UK
- ²⁰Molecular Cardiology, Istituti Clinici Scientifici Maugeri IRCCS, Pavia,, Italy
- ²¹Cardiovascular Genetics Center, University of Girona-IDIBGI, Girona, Spain; Medical Science Department, School of Medicine, University of Girona, Girona, Spain; Centro de Investigación Biomédica en Red de Enfermedades Cardiovasculares (CIBERCV), Madrid, Spain
- ²²Department of Cardiology,, Erasme University Hospital, Université Libre de Bruxelles, Brussels, Belgium
- ²³Quebec Heart and Lung Institute, Quebec City, Canada
- ²⁴Division of Cardiology, Policlinico Casilino, Roma, Italy
- ²⁵Department of Forensic Medicine, Faculty of Medical Sciences, University of Copenhagen, Denmark
- ²⁶Division of Cardiac Arrhythmia, Kansai Medical University Medical Center, Moriguchi, Japan
- ²⁷Rhythmology and Electrophysiology, Department of Cardiology, Hannover Medical School, Hannover, Germany
- ²⁸Division of Cardiology,, Hospital of Peschiera del Garda, Veneto, Italy
- ²⁹Department of Cardiac, Thoracic and Vascular Sciences University of Padova, Padova, Italy
- ³⁰Lankenau Medical Center, Wynnewood, Pennsylvania, USA
- ³¹Division of Cardiology, Department of Internal Medicine, Asan Medical Center, University of Ulsan College of Medicine, Seoul, South Africa



08:00-10:00 S20 - Joint Session with Society of Cardiovascular Computed Tomography (SCCT): Cardiac CT

Chairs: **Stephan Achenbach, Germany, Ashraf Hamdan, Israel**

ENG Hall H - Haifa

08:00 Top Ten Papers in Cardiac CT Ever

Stephan Achenbach

Friedrich-Alexander-Universität Erlangen Nürnberg, Germany

08:20 Differences in Valve Morphology and Aortopathy between Patients with Bicuspid and Tricuspid Aortic Valves: A Computed Tomography Study

Mithal Nassar¹, Brodov Yafim⁴, Gidon Perlman⁵, Abid Assali¹, Haim Danenberg⁵, Gideon Shafir^{2,5}, Noam Friedman³, Hana Vaknin-Assa¹, Katia Orbin¹, Pablo Codner¹, Ran Kornowski¹, Ashraf Hamdan¹

¹*Cardiology, Rabin Medical Center, Israel*

²*Radiology, Rabin Medical Center, Israel*

³*Medical Student, Rabin Medical Center, Israel*

⁴*Cardiology, Sheba Medical Center, Israel*

⁵*Cardiology, Hadassa Medical Center, Israel*

08:30 Iliofemoral Artery Volume Assessment with 3D Computed Tomography and Vascular Complications Risk of Patients Undergoing Transfemoral Transcatheter Aortic Valve Implantation

Yoav Hammer^{1,2}, Uri Landes^{1,2}, Oren Zusman^{1,2}, Abid Assali^{1,2}, Katia Orvin^{1,2}, Amos Levi^{1,2}, Hanna Vaknin-Assa^{1,2}, Yaron Shapira^{1,2}, Pablo Codner^{1,2}, Ram Sharoni^{1,2}, Alexander Sagie^{1,2}, Ashraf Hamdan^{1,2}, Ran Kornowski^{1,2}

¹*Cardiology department, Rabin medical center, Beilinson campus, Israel*

²*Sackler School of Medicine, Tel Aviv University, Israel*

08:40 Utility of Cardiac Computed Tomography Scanning in the Diagnosis and Pre-Operative Evaluation of Patients with Infective Endocarditis

Katia Orvin¹, Victor Rubchevsky², Mordehay Vaturi, Mithal Nassar¹, Ram Sharony², Danny Aravot², Alex Sagie¹, Yaron Shapira¹, Ran Kornowski¹, Ashraf Hamdan¹

¹*Cardiology, Rabin Medical Center, Israel*

²*Cardiothoracic Surgery, Rabin Medical Center, Israel*

08:50 Prognostic Value of Coronary Artery Blood Volume to Myocardial Mass Mismatch in Patients with Hypertrophic Cardiomyopathy

Mithal Nassar¹, Daniel Monakier¹, Ziad Arow¹, Gideon Shafir², Ran Kornowski¹, Ashraf Hamdan¹

¹*Cardiology, Rabin Medical Center, 49100, Israel*

²*Radiology, Rabin Medical Center, 49100, Israel*



- 09:00** **Prevalence and Clinical Outcomes of Left Atrial Appendage Filling Defect In Patients Undergoing Transcatheter Aortic Valve Replacement**
Yishay Szekely¹, Haim Shmilovich¹, Ariel Finkelstein¹, Shmuel Bazan¹, Shmuel Banai¹, Yaron Arbel¹, Arie Steinvil¹, Zach Rozenbaum¹, Eihab Ghantous², Amir Halkin¹
¹*Division of Cardiology, Tel Aviv Sourasky Medical Center, Israel*
²*Internal Medicine I, Tel Aviv Sourasky Medical Center, Israel*
- 09:10** **Accuracy of Echocardiographic Visual Assessment of Aortic Valve Calcification –Comparison with Quantitative Calcium Score Analysis**
Ariel Verbner^{1,2}, Adi Butnaro¹, David Rosenmann¹, Naama Bogot¹, Giora Weisz¹, Michael Glickson¹, Arik Wolak^{1,2}
¹*Department of Cardiology, Shaare Zedek Medical Center, Israel*
²*Faculty of Medicine, The Hebrew University of Jerusalem, Israel*
- 09:20** **Additive Value of Evaluating Diastolic Function by CT Compared to Echo-Doppler**
Jonathan Lessick, Hayley van der Veen, Diab Mutlak, Yoram Agmon, Sobhi Abadi
Cardiology, Rambam Medical Centre and Technion-IIT, Israel

08:00-10:05 **S21 - Intensive Cardiac Care**
 Chairs: **Zaza Iakobishvili, Arthur Pollak, Israel** **ENG** **HEB** Hall I - Zefat

- 08:00** **Actual Treatment of the Pulmonary Embolism**
Marcos Knobel
Albert Einstein Hospital, São Paulo, Brazil
- 08:15** **New-Onset Atrial Fibrillation in Acute Myocardial Infarction: Predictors of Early vs. Late Atrial Fibrillation**
Arthur Shiyovich¹, Michal Axelrod², Harel Gilutz², Ygal Plakht²
¹*Cardiology, Rabin Medical Center, Israel*
²*Faculty of Health Sciences, Ben-Gurion University of the Negev, Israel*
- 08:25** **The Significance of Early New Onset of Paroxysmal Atrial Fibrillation During Acute Myocardial Infarction**
Michal Axelrod¹, Harel Gilutz¹, Dan Greenberg², Ygal Plakht³, Lena Novack⁴
¹*Goldman School of Medicine, Faculty of Health Sciences, Ben-Gurion University of the Negev, Israel*
²*Department of Health Systems Management, Faculty of Health Sciences, Ben-Gurion University of the Negev, Israel*
³*Department of Nursing, Soroka University Medical Center and Faculty of Health Sciences, Ben-Gurion University of the Negev, Israel*
⁴*Department of Public Health, Faculty of Health Sciences, Ben-Gurion University of the Negev, Israel*



08:35 Peripheral Endothelial Function Predicts 1-Year Adverse Clinical Outcome in Patients with Chest Pain Hospitalized in the Emergency Department

Michael Shechter^{1,3}, Shlomi Matetzky^{1,3}, Megha Prasad⁴, Orly Goitein^{2,3}, Ronen Goldkorn^{1,3}, Michael Naroditsky^{1,3}, Nira Koren-Morag³, Amir Lerman⁴

¹Leviev Heart Center, Chaim Sheba Medical Center, Israel

²Diagnostic Imaging, Chaim Sheba Medical Center, Israel

³The Sackler Faculty of Medicine, Tel Aviv University, Israel

⁴Division of Cardiovascular Diseases, Mayo Clinic and College of Medicine, MN, USA

08:45 The Influence of Rocket Fire Alarms on Cardiac Events

Sivan Ben Tovim¹, Neelie Ben Tovim², Noam Zussman³, Rachel Axelrod⁴, Amir Orlev⁵, Tamar Wainstock⁶, Arthur Pollak⁵

¹Faculty of Medicine, The Hebrew University Hadassah Medical School

²The National Economic Council, Israeli Prime Minister's Office

³Research Department, The Bank of Israel

⁴The Department of Statistics, The Hebrew University of Jerusalem

⁵Heart Institute, Hadassah University Medical Center

⁶The Department of Public Health, Ben-Gurion University of the Negev

08:55 The Prognostic Value of Left Ventricular Ejection Fraction Upon Patients with Myocarditis.

Anan Younis, Shlomo Matetzky, Aias Masalha, Yoav Afel, Alex Fardman, Orly Goitein, Sagit Ben Zekry, Avishai Grupper, Roy Beigel
Cardiology, The Leviev Heart Center, Sheba Medical Center, Tel Hashomer and Sakler School of Medicine, Tel Aviv University, Tel Aviv, Israel, Israel

09:05 Dynamic Changes of Troponin and Creatinine Phosphokinase in Myocarditis (Myo-PACE Study)

Ofir Koren^{1,2}, Inas Abu-Daud³, Ehud Rozner¹, Lev Bloch¹, Dante Antonelli¹, Nahum Friedberg¹, Yoav Turgeman^{1,2}

¹Heart Institute, Emek Medical Center, Israel

²Bruce Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Israel

³Internal Medicine C, Emek Medical Center, Israel

09:15 The Extent of Myocardial Damage Evaluated by Cardiac MRI in Patients with ST-Segment Elevation Myocardial Infarction: Predictors and Outcomes

Eyas Massalha, Orly Goitein, Israel Mazin, Ronen Goldkorn, Sharon Natanzon, Avishay Grupper, Roy Beigel, Shlomi Matetzky
Intensive Cardiac Care Unit, Cardiology, Leviev Heart Center, Chaim Sheba Medical Center, Israel, Israel



09:25 Predictors and Outcomes of Microvascular Obstruction in Cardiac Mri in Patients with ST-Segment Elevation Myocardial Infarction as a Marker of No-Reflow Phenomenon

Eyas Massalha, Orly Goitein, Israel Mazin, Elad Asher, Ronen Goldkorn, Fernando Chernomordik, Arwa Younis, Avishay Grupper, Roy Beigel, Shlomi Matetzky

Intensive Cardiac Care Unit, Cardiology, Leviev Heart Center, Chaim Sheba Medical Center, Israel, Israel

09:35 Comparison of Platelet Inhibition in Patients with ST-Elevation Myocardial Infarction vs. non-ST Elevation Myocardial Infarction after a Loading Dose of Swallowed vs. Chewed Ticagrelor

Fernando Chernomordik^{1,2}, Elad Asher^{1,2}, Shir Tal^{1,2}, Amit Segev^{1,2}, Victor Guetta^{1,2}, Israel Barbash^{1,2}, Daniel Elian^{1,2}, Paul Fefer^{1,2}, Anan Younis^{1,2}, Israel Mazin^{1,2}, Roy Beigel^{1,2}, Shlomi Matetzky^{1,2}

¹*Leviev Heart Center, Sheba Medical Center, Israel*

²*Sackler Faculty of Medicine, Tel Aviv University, Israel*

09:45 Contemporary Prospective Registry of Pulmonary Embolism Patients Presenting to a Large Tertiary Medical Center

Roy Beigel, Sharon Natanzon, Lichay Kaufman, Orly Goitein, Liran Shechtman, Fernando Chernomordik, Sagit Ben-Zekery, Nir Shlomo, Yigal Kassif, Avishay Grupper, Shlomi Matetzky

Cardiovascular Division, Intensive Cardiac Care Unit, Sheba Medical Center, Israel

09:55 Usefulness of the Pesi Score to Predict the Need for Escalation Therapy Among Intermediate Risk Pulmonary Emboli Patients

Sharon Shalom Natanzon¹, Shlomi Matetzky¹, Orly Goitein², Lichay Kaufman¹, Nir Shlomo¹, Fernando Chernomordik¹, Israel Mazin¹, Sagit Ben-Zekery¹, Yigal Kassif³, Avishay Grupper¹, Roy Beigel¹

¹*Cardiology, Leviev Heart Center, Sheba Medical Center, Israel*

²*Diagnostic Imaging, Department of Diagnostic Imaging, Sheba Medical Center, Tel Hashomer, Israel*

³*Department of Cardiac Surgery, Department of Cardiac Surgery, Leviev Heart Center, Sheba Medical Center, Tel Hashomer, Israel*



08:00-10:00 S22 - Diversity in Myocardial PathologyChairs: **Michael Arad, Sorel Goland, Israel****HEB** Hall J - Tiberias**08:00 Sub-acute vs. Late-Onset Presentation of Onco-therapy Related Cardio-Toxicity: Predictors of Cardiac Function Recovery and Long-Term Outcome**Anan Younis, Dov Freimark, Robert Klempfner, Yael Peled, Yafim Brodov, Ilan Goldenberg, Michael Arad*Cardiology, The Leviev Heart Center, Sheba Medical Center, Tel Hashomer and Sakler School of Medicine, Tel Aviv University, Tel Aviv, Israel***08:10 Impact of Short Acting Disopyramide on Left Ventricular Mechanics Evaluated by Strain Analysis in Patients with Hypertrophic Obstructive Cardiomyopathy**Idit Yedidya¹, Shemy Carasso³, Mordehay Vaturi², Alik Sagie², Daniel Monakier²¹*Cardiology-Echo lab, Rabin Medical Center-Hasharon Hospital, Israel*²*Cardiology-Echo lab, Rabin Medical Center-Beilinson Hospital, Israel*³*Cardiology-Echo lab, Poriya Hospital, Israel***08:20 Clinical Characteristics and Outcomes of Adult Patients with Duchenne Muscular Dystrophy Followed in a Cardiomyopathy Clinic**Donna Zfat-Zwas¹, Esther-Lee Marcus², Orly Ezra¹, Ronen Durst¹, IsraelGotsman¹, Sara Hoss¹, Yair Elizur¹, Andrei Keren^{1,3}¹*Cardiology, Hadassah University Medical Center, Israel*²*Independent Living Neighborhood, Alyn Hospital, Israel*³*Heart Failure, Clalit Health Services, Israel***08:30 Low Serum BNP Predicts Malignant Etiology of Pericardial Effusion**Ali Nassar^{1,2}, Fabio Kusnec^{1,2}, Diab Ghanim^{1,2}, Wadi Kinany^{1,2}, Doron Sudarsky^{1,2}, Evgeni Hazanov^{1,2}, Offer Amir^{1,2}, Shemy Carasso^{1,2}¹*Cardiovascular Institute, B Padeh Medical Center, Israel*²*Azrieli Faculty of Medicine in the Galilee, Bar Ilan University, Israel***08:40 Lower Calculated Risk for Sudden Cardiac Death in Patients with Apical Versus Non-Obstructive Non-Apical Hypertrophic Cardiomyopathy**Osnat Itzhaki Ben Zadok^{1,2}, David Hasdai^{1,2}, Guy Witberg^{1,2}, Yaron Shapira^{1,2}, Mordehay Vaturi^{1,2}, Daniel Monakier^{1,2}¹*Cardiology Department, Rabin Medical Center, Israel*²*Sackler Faculty of Medicine, Tel Aviv University, Israel*

- 08:50** **Tc^{99m} PYP Scintigraphy to Diagnose Transthyretin Cardiac Amyloidosis in Patients with Non-ischemic Cardiomyopathy**
Igor Volodarsky¹, Yakov Fabrikant¹, Sara Shimoni¹, Irina Fuginferov¹, Liaz Zilberman¹, Shay Lifshitz¹, Sagi Tshori², Jacob George¹, Sorel Goland¹
¹Heart Center, Kaplan Medical Center, Israel
²Nuclear Imaging Department, Kaplan Medical Center, Israel
- 09:00** **Assessment of Cardiotoxicity in Oncologic Patients Undergoing Active Anticancer Therapy by Whole-Body Bioimpedance Device**
Zaza Iakobishvili¹, Shaul Lev²
¹Department of Cardiology, Golda hospital, Rabin Medical Center, Petah Tikva, Israel
²Intensive Care Unit, Golda hospital, Rabin Medical Center, Petah Tikva, Israel
- 09:10** **Cancer Therapeutic Related Cardiac Dysfunction Among Active Breast Cancer Patients: A Cardio-Oncology Registry**
Michal Laufer Perl, Assi Milwidsky, Liat Mor, Dor Ravid, Nadav Amrami, Matthew Derakhshesh, Jack Sherez, Gad Keren, Yaron Arbel, Yan Topilsky
 Cardiology, Tel Aviv Sourasky Medical Center, Israel
- 09:20** **Left Atrial Volume as a Biomarker of Target Organ Damage in Cardio-Nephrology: A Study in a Wide Range of Renal Function**
Zach Rozenbaum¹, Orit Kliuk Ben-Bassat³, Tzahi Hadad², Moshe Iluz², Yoav Granot⁴, Tomer Ziv-Baran⁵, Yan Topilsky¹, Shlomo Berliner⁴, Galit Aviram²
¹Cardiology, Tel Aviv Medical Center, Tel Aviv. Affiliated to the Sackler Faculty of Medicine, Tel Aviv University, Israel
²Radiology, Tel Aviv Medical Center, Tel Aviv. Affiliated to the Sackler faculty of Medicine, Tel Aviv University, Israel
³Nephrology, Tel Aviv Medical Center, Tel Aviv. Affiliated to the Sackler faculty of Medicine, Tel Aviv University, Israel
⁴Internal Medicine, Tel Aviv Medical Center, Tel Aviv. Affiliated to the Sackler faculty of Medicine, Tel Aviv University, Israel
⁵Department of Epidemiology and Preventive Medicine, School of Public Health, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
- 09:30** **Participation of Elderly in Heart Failure Randomized Clinical Trials throughout the Last Decade**
Gregory Lacher¹, Brian Wolf¹, Harvey Schwartz¹, Ilya Litovchik^{1,2}, David Pereg^{1,3}, Gil Moravsky^{1,2}, Shmuel Fuchs^{1,2}, Sa'ar Minha^{1,2}
¹Sackler School of Medicine, Tel-Aviv University, Israel
²Cardiology, Assaf-Harofeh Medical Center, Israel
³Cardiology, Meir Medical Center, Israel



09:40

How to Predict and Prevent 30-Day Heart Failure Readmission

Michael Kleiner Shochat¹, Avraham Shotan¹, David S. Blondheim¹, Mark Kazatsker, Mark Kazatsker, Mark Kazatsker¹, Iris Dahan¹, Aya Asif¹, Yoseph Rozenman², Ilia Kleiner³, Jean Marc Weinstein³, Simcha R. Meisel¹
¹Heart Institute, Hillel Yaffe Medical Center, Hadera, Rappaport School of Medicine, Technion, Haifa, Israel
²Cardiovascular Institute, Wolfson Medical Center, Holon, Sackler Faculty of Medicine, Tel-Aviv University, Israel
³Cardiology Department, University Medical Center, Beer Sheva, Israel

09:50

The Vicious Cycle of Dyspnea and Heart Failure

Anna Faingersh-Klebanov¹, Shmuel Rispler², Eugenia Nikolsky², Yuval Cohen², Arthur Kerner², Sergey Yalonetsky², Amnon Eitan², Ariel Roguin², Amir Landesberg¹
¹Biomedical Engineering, Technion - Israel Institute of Technology, Israel
²Cardiology, Rambam Health Care Campus, Israel

08:00-10:00

S23 - Basic Science

Chairs: **Lior Gepstein, Edith Hochhauser, Jonathan Leor, Israel** **HEB** Hall 3 - Ashdod

08:00

Electrophysiological Abnormalities in Patient-Specific LMNA-Mutated Induced Pluripotent Stem Cells-Derived Cardiomyocytes

Yuval Shemer¹, Shelly Naor¹, Lubna Willi¹, Ronen Ben Jehuda^{1,2}, Revital Schick¹, Binyamin Eisen¹, Eloisa Arbustini³, Dov Freimark^{4,5}, Michael Arad^{4,5}, Ofer Binah¹
¹Ruth and Bruce Rappaport Faculty of Medicine, Technion – Israel Institute of Technology, Israel
²Department of Biotechnology, Technion – Israel Institute of Technology, Israel
³Center for Inherited Cardiovascular Diseases, IRCCS Foundation Policlinico San Matteo, Italy
⁴Sackler Faculty of Medicine, Tel Aviv University, Israel
⁵Leviv Heart Center, Sheba Medical Center, Israel



08:10 Functional Abnormalities in Induced Pluripotent Stem Cell-Derived Cardiomyocytes Generate from a Duchenne Muscular Dystrophy Patient and a Female Manifesting Carrier

Binyamin Eisen¹, Ronen Ben Jehuda^{1,2}, Ashley J. Cuttitta³, Lucy N. Mekies¹, Lubna Willi¹, Yuval Shemer¹, Irina Reiter¹, Ifat Abramovich¹, Dov Freimark^{4,5}, Mihaela Gherghiceanu⁶, Lorenzo Monserrat⁷, Daniel E. Michele³, Eyal Gottlieb¹, Michael Arad^{4,5}, Ofer Binah¹

¹Ruth and Bruce Rappaport Faculty of Medicine, Technion – Israel Institute of Technology, Israel

²Department of Biotechnology, Technion – Israel Institute of Technology, Israel

³Department of Molecular and Integrative Physiology, University of Michigan, Michigan, USA

⁴Sackler Faculty of Medicine, Tel Aviv University, Israel

⁵Leviev Heart Center, Sheba Medical Center, Israel

⁶Department of Pathology, Victor Babes National Institute of Pathology, Romania

⁷Clinical Department, Health in Code, Spain

08:20 The Role of Dual Loss-of-Function Mutations in the bZIP-Repressor Proteins, ATF3 and JDP2, in Cardiac Remodeling and Hypertrophy

Tom Friedman^{1,2}, Roy Kalfon¹, Ami Aronheim¹

¹The Rappaport Family Institute for Research in the Medical Science, Technion, Israel

²Cardiac Surgery, Rambam Health Care Campus, Israel

08:30 Electrophysiological and Functional Comparison of Atrial and Ventricular Engineered Heart Tissue Models Using Human Stem Cells Derived Cardiomyocytes

Idit Goldfracht¹, Stephanie Protze², Assad Shiti¹, Amit Gruber¹, Yulia Nartiss², Gordon Keller², Lior Gepstein¹

¹Rappaport Faculty of Medicine and Research Institute, Technion, Israel

²McEwen Centre for Regenerative Medicine, UHN, Ontario, Canada

08:40 Normal Mode Analysis of a Novel RYR2 Mutation in a Family with Recessively Inherited Ventricular Fibrillation Suggests a Dose Dependent Increase in Protein Flexibility

Ayelet Shauer¹, Oded Shor¹, Yair Elitzur¹, Nataly Kucherenko², Yulia Einav³, David Luria¹

¹Cardiology, Hadassah-Hebrew University, Pleshet, Israel

²Biochemistry and Molecular Biology, Tel Aviv University, Israel

³Faculty of Engineering, Holon Institute of Technology, Israel



- 08:50** **Modeling Glycogen Storage Diseases with Human Induced Pluripotent Stem Cells**
Inbar Budniatzy¹, Oren Feldman^{1,2}, Irit Huber¹, Idit Goldfracht¹, Leonid Maizels¹, Amira Gepstein¹, Gil Arbel¹, Hanna Mandel³, Lior Gepstein^{1,4}
¹Rappaport Faculty of Medicine and Research Institute, Technion- Israel Institute of Technology, Israel
²Pediatrics, Rambam Medical Center
³Metabolic-Unit, Rambam Medical Center
⁴Cardiology, Rambam Medical Center
- 09:00** **The Effect of Calcitriol on Endothelial Cellular Senescence**
Yeela Talmor-Barkan^{1,3}, Yoav Hammer^{1,3}, Dorit Leshem-Lev⁴, Elad Goldberg^{2,3}, Orit Uziel⁴, Ran Kornowski^{1,3}, Eli Lev⁴
¹Department of Cardiology, Rabin Medical Center, Israel
²Department of Internal Medicine F, Rabin Medical Center, Israel
³Sackler School of Medicine, Tel-Aviv University, Israel
⁴FMRC, Felsenstein Medical Center, Israel
- 09:10** **Optogenetic Modulation of Action-Potential Morphology in Human Induced Pluripotent Stem Cell Models**
Amit Gruber¹, Oded Edri¹, Assad Shiti¹, Naim Shaheen¹, Irit Huber¹, Gil Arbel¹, Amira Gepstein¹, Lior Gepstein^{1,2}
¹Rappaport Faculty of Medicine and Research Institute, The Technion, Israel
²Department of Cardiology, Rambam Health Care Campus, Israel
- 09:20** **PARP-1 Inhibition Attenuates Oxidative Stress and Hypertension in Diabetic Mice**
Maayan Waldman^{1,2}, Vadim Nudelman¹, Asher Shainberg³, Nader G. Abraham⁴, Dan Aravot¹, Michael Arad², Edith Hochhauser¹
¹Felsenstein Research Center, Rabin Medical Center, Sackler School of Medicine, Tel Aviv University, Israel
²Leviev Heart Center, Sheba Medical Center and Sackler School of Medicine, Tel Aviv University, Israel
³Life Sciences, Bar Ilan University, Israel
⁴Department of Pharmacology, New York Medical College, New York, USA
- 09:30** **Osteopontin Mediates Adhesion, Migration and Proliferation of Cardiac Progenitor Cells through the Chemokine Receptor CXCR4**
Philippe Bouaziz, Avishag Emanuelov, Suzan Salman, Jussi Leinonen, Chaim Lotan, Ronen Beerl
 Cardiovascular Resch Center, Heart Institute, The Hebrew University Hadassah Medical Center, Jerusalem, Israel



09:40 **A Novel Recessive Mutation in Cardiac Ryanodine Receptor 2 Causes Loss of Function, Leading to Ventricular Fibrillation and Sudden Death**

Ayelet Shauer¹, Oded Shor¹, Yair Elitzur¹, Nataly Kucherenko², Yulia Einav³, David Luria¹

¹Cardiology, Hadassah-Hebrew University, Israel

²Biochemistry and Molecular Biology, Tel Aviv University, Israel

³Faculty of Engineering, Holon Institute of Technology, Israel

09:50 **A Working Model of Sarcomere Maintenance in Cardiomyocytes**

Yair Lewis¹, Anner Moskovitz¹, Michael Mutlak¹, Joerg Heineke², Lilac Caspi¹, Izhak Kehat^{1,3}

¹The Rappaport Institute and the Bruce Rappaport Faculty of Medicine, Technion – Israel Institute of Technology, Israel

²Experimental Cardiology, Klinik für Kardiologie und Angiologie, Medizinische Hochschule, Germany

³Department of Cardiology and the Clinical Research Institute at Rambam, Rambam Medical Center, Israel

08:00-10:00 **S24 - Prevention of Heart Disease Cardiac Rehabilitation and Pharmacology**

Chairs: **Ophir Avizohar, Elad Asher, Israel**

HEB Hall 4 – Be'er-Sheva

08:00 **Relationship between Fitness and Morbidity and Mortality in Patients after Revascularization**

Ella Shaviv^{1,2}, Arwa Younis^{1,2}, Ilan Goldenberg^{1,2}, Nir Shlomo^{1,2}, Ariel Israel^{1,2}, Robert Klempfner^{1,2}

¹The Leviev Heart Center, Sheba Medical Center, Israel

²Sackler School of Medicine, Tel Aviv University, Israel

08:10 **Stroke Risk Stratification in Individuals with Atrial Fibrillation: Head to Head Comparison in a Population-Based Study**

Meytal Avgil Tsadok¹, Adi Berliner Senderey¹, Orna Reges¹, Morton Leibowitz¹, Ran Balicer¹, Moshe Hoshen¹, Moti Haim^{1,2}

¹Chief Physician Office, Clalit Research Institute, Clalit Health Services, Israel

²Cardiology Department, Soroka Medical Center, Israel

08:20 **Efficacy and Safety of Exercise Training in Patients with Secondary Pulmonary Hypertension Undergoing Cardiac Rehabilitation**

Ya'ara Paz², Arwa Younis^{1,2}, Ilan Goldenberg^{1,2,3}, Robert Klempfner^{1,2}

¹The Leviev Heart Center, Sheba Medical Center, Israel

²Sackler School of Medicine, Tel Aviv University, Israel

³Heart Research Program, University of Rochester, NY, USA



- 08:30 Cardiovascular Disease in Survivors of Breast Cancer: A Case-Cohort Study**
Hatem Hamood, MD^{1,2}, Rola Hamood, MPH², Ilya Merhasin, MA¹, Lital Keinan-Boker, Lital Keinan-Boker, MD, PhD, MPH^{2,3}
¹Community Practice, Leumit Health Services, Northern Region, Israel
²School of Public Health, University of Haifa, Israel
³Israel Center for Disease Control, Ministry of Health, Israel
- 08:40 Clinical Characteristics and Outcomes of Severe and Extreme Hypertriglyceridemia in a Regional Health Service in Israel**
Ayman Jubran¹, Rawan Hijazi², Chen Shapira³, Barak Zafrir¹
¹Department of Cardiovascular Medicine, Lady Davis Carmel Medical Center, Israel
²Faculty of Medicine, Technion, Israel Institute of Technology, Israel
³Haifa and Western Galilee District, Clalit Health Services, Israel
- 08:50 CHA2DS2-VASc Score and Exercise Capacity of Patients with Coronary Artery Disease Participating in Cardiac Rehabilitation Programs**
Feras Haskiah¹, Yacov Shacham², Sa'ar Minha³, Zach Rozenbaum⁴, David Pereg⁵
¹Department of Cardiology, Meir Medical Center, Kfar Saba, Israel
²Department of Cardiology, Sourasky Medical Center, Israel
³Department of Cardiology, Assaf-Harofeh Medical Center, Israel
⁴Department of Cardiology, Sourasky Medical Center, Israel
⁵Department of Cardiology, Meir Medical Center, Israel
- 09:00 High Variability in Tacrolimus through Levels is Associated with Rejections after Heart Transplantation**
Itai Gueta¹, Noa Markovits¹, Havtzelet Bilavsky-Yarden¹, Dov Freimark², Jacob Lavee², Ronen Loebstein¹, Yael Peled²
¹The Institute of Clinical Pharmacology, Sheba Medical Center, Tel Hashomer, Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel
²Olga and Lev Leviev Heart Center, Sheba Medical Center, Tel Hashomer, Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel
- 09:10 Temporal Trends in the Incidence Sudden Cardiac Death**
Mony Shuvy^{1,2}, Maria Koh², Feng Qiu², Dennis Ko²
¹Heart Institute, Hadassah Hebrew University Medical Center, Israel
²Sunnybrook Health Sciences Centre, University of Toronto, Department of Medicine, Schulich Heart Center, Ontario, Canada
- 09:20 Obesity, Fitness and the Risk of Incident Atrial Fibrillation in Healthy Adults**
Arwa Younis¹, Anat berkovitch¹, Yitzhak Sidi², Shay Kivity², Shlomo Segev³, Ilan Goldenberg¹, Elad Maor¹
¹Cardiology, Sheba Medical Center, Israel
²Internal Ward A-C, Sheba Medical Center, Israel
³The Institute for Medical Screening, Sheba Medical Center



09:30 Angina Pectoris Severity among Patients with Pre-Existing Cardiovascular Disease is Associated with Subsequent Frailty in Late Life

Miri Lutzki⁴, Uri Goldburd¹, Galit Weinstein³, David Tanne^{1,2}

¹*Epidemiology and Preventive Medicine, Tel Aviv University, Israel*

²*Sagol NeuroScience Center, Chaim Sheba Medical Center, Israel*

³*Faculty of Social Welfare and Health Sciences, School of Public Health, University of Haifa, Israel*

⁴*NR, Israeli Center for Disease Control, NR, Israel*

09:40 Increased Risk of Ischemic Heart Disease and Mortality among FMF Patients – Perspective from a Big Database

Shmuel Tiosano^{1,2}, Raz Shapira^{1,2}, Omer Gendelman^{1,2}, Doron Comaneshter³, Elon Pras^{2,4}, Arnon Cohen^{3,5}, Howard Amital^{1,2}

¹*Internal Medicine B, Sheba Medical Center, Israel*

²*Sackler School of Medicine, Tel-Aviv University, Israel*

³*Chief Physician's office, Clalit Health Services, Israel*

⁴*The Danek Gertner Institute of Human Genetics, Sheba Medical Center, Israel*

⁵*Sial Research Center for Family Medicine and Primary Care, Faculty of Health Sciences, Ben-Gurion University of the Negev, Israel*

09:50 Elevated Plasma Levels of Galactin-3 in Women with Gestational Diabetes Mellitus, A New Surrogate for Cardiovascular Disease in Women?

Yeela Talmor-Barkan^{2,3}, Chava Chezar-Azerrad^{2,3}, Dorit Leshem-Lev⁴, Eran Hadar^{1,3}, Ran Kornowski^{2,3}, Avital Porter^{2,3}

¹*Department of Gynecology, Rabin Medical Center, Israel*

²*Department of Cardiology, Rabin Medical Center, Israel*

³*Sackler School of Medicine, Tel-Aviv University, Israel*

⁴*Department of Cardiology, Felsenstein Medical Center, Israel*



10:30-12:30 PL3 - Plenary Session III – 2nd Ceremony & Joint Session: American College of Cardiology (ACC) - Israel Heart Society (IHS)

Chairs: **Ran Kornowski, Ronen Rubinstein, Israel Heart Society (IHS)**
Ehud Raanani, Erez Kachel, Israel Society of Cardiothoracic Surgery (ISCTS)

ENG Hall ABC - Jerusalem

10:30-11:15 Scholarship & Awards of the Israel Heart Society

Jan J. Kellerman Young Investigator in Cardiology Award
Daniel Shiran Outstanding Cardiology Resident Award
Best Publications Awards

Scholarship & Awards of the Israel Society of CardioThoracic Surgery

11:15-12:30 Joint Session: American College of Cardiology (ACC) - Israel Heart Society (IHS)

Chairs: **Ran Kornowski, Michael Glikson, Israel Heart Society (IHS)**
Mary Walsh, Richard Kovacs, American College of Cardiology (ACC)

ENG

11:15-11:30 CHIP Complex High Risk Interventional Procedures

Ron Waksman

MedStar Washington Hospital Center, Washington, USA

11:30-11:45 Adult Congenital Heart Disease: Improving Outcomes- Can it be Done?

Ariane Marelli

McGill University Health Center, Montreal, Quebec, Canada

11:45-12:00 Treatment of Acute Heart Failure

Mary Walsh

Immediate Past President, American College of Cardiology, Indianapolis, IN, USA

12:00-12:15 Cardio Vascular Diseases Among Women: Is There Still a Gender Bias?

Avital Porter

Rabin Medical Center, Petach Tikva, Israel

12:15-12:30 Is Sports Cardiology Ready to be a New Subspecialty?

Richard Kovacs

Incoming President-Elect, American College of Cardiology, Indianapolis, IN, USA



12:30-14:00 **LS7 - Lunch Session Sponsored By Novo Nordisk**
Reducing the Risk for Cardiovascular Disease and Improving Outcomes in Diabetes
 Chair: **Ronen Rubinshtein, Israel** **Hall J - Tiberias**

12:30 Lunch - First and Main Course

Introduction: **Prof. Ronen Rubinshtein**
 Secretary General and Treasurer IHS
 Director, Cardiovascular Imaging Unit Carmel M.C

12:45-13:10 **Diabetes and CV Disease: What is the Role of GLP-1 Receptor Agonist?**
Dr. Verma Subodh
Professor University of Toronto, Canada
Research Chair (Tier 1) Cardiac Surgeon, St Michael's Hospital Chair, CardioLink Trials Platform, University of Toronto

13:10-13:35 **Approach to Management and Real-World Cases of Diabetics with CVD**
Dr. Roy Eldor
Director, Diabetes Unit, Institute of Endocrinology, Metabolism & Hypertension at the Tel Aviv Sourasky Medical Center

13:35-13:45 **Q & A**

14:00-15:30 **PL4 - Plenary Session IV- Joint Session: American Heart Association (AHA)- Israel Heart Society (IHS)**
 Chairs: **Ronen Rubinshtein, Doron Zahger, Israel Heart Society (IHS) John Warner, American Heart Association (AHA)** **ENG Hall ABC - Jerusalem**

14:00-14:15 **The Changing Landscape of Cardiovascular Risk: Investing for the Best Returns on Population Health**
John Warner
President, American Heart Association, Dallas, TX, USA

14:15-14:30 **How to Optimize AF Diagnosis and Management**
Mahmoud Suleiman
Cardiology, Rambam Medical Center, Israel

14:30-14:45 **VAD for Severe Heart Failure Patients, State of the Art**
Nir Uriel
University of Chicago Medical Center, Chicago, IL, USA

14:45-15:00 **Israeli Innovation in Cardiovascular Medicine: The USA Perspectives**
Ron Waksman
MedStar Washington Hospital Center, Washington, USA

15:00-15:15 **Advancement in CAD prevention: Lessons from FH?**
Ronen Durst
Israel



16:00-18:00 **S25 - Anglo Israel Cardiovascular Symposium** **ENG** Hall H - Haifa

16:00-16:30 **The Genomic of Sudden Death- Can we Predict Risk?**

Elijah Behr

UK

16:30-17:00 **Deciphering the Genetic Basis of Coronary Artery Disease - Progress and Clinical Translation**

Nilesh Samani

UK

17:00-17:30 **The Genetic of Valve Diseases of bav and mvp**

Ronen Durst

Israel

17:30-18:00 **Hypertrophic Cardiomyopathy - Etiological Workup**

Michael Arad

Israel

16:00-18:00 **S26 - Right Ventricle in the Spotlight**
Chairs: **Rafi Kuperstein, Israel, Lawrence Rudski, Canada** **ENG** Hall I - Zefat

16:00-16:15 **Right Ventricular Diseases - Scope of the Problem**

Lawrence Rudski

Canada

16:15-16:30 **Echo Assessment of the Right Ventricle**

Yan Topilsky

Israel

16:30-16:45 **CT and MRI Assessment of the Right Ventricle**

Ashraf Hamdan

Israel

16:45-17:00 **RV Failure Following Mechanical Circulatory Support**

Nir Uriel

USA

17:00-17:15 **Percutaneous Approaches to Tricuspid Regurgitations**

Gidon Perlman

Israel



17:15-17:30 Modern Approches to Pulmonary Arterial Hypertension

Neville Berkman

Israel

17:30-18:00 Panel Discussion

16:00-18:00 S27 - Fixing the Failing Heart: Surgical Options for Heart Failure Patients

Chairs: **Erez Sharoni, Jacob Lavee, Israel**

HEB Hall J - Tiberias

16:00-16:15 Current and Future Surgical Options

Nir Uriel

USA

16:15-16:30 ECMO Status in Israel 2018

Philip Biderman

Israel

16:30-16:45 Cardiology and Evaluation for Advanced Heart Failure Therapies

Tal Hasin

Israel

16:45-17:00 LVAD

Ehud Jacobzson

Israel

17:00-17:15 Heart Transplant

Jacob Lavee

Israel

17:15-17:25 Improved Long-Term Outcomes after Heart Transplantation Utilizing Donors with Traumatic Mode of Brain Death

Yael Peled, Yigal Kassif, Alexander Kogan, Yedael Har-Zahav, Eyal Nachum, Dov Freimark, Jacob Lavee

Heart Transplantation Unit, Heart Center, Sheba Medical Center and Sackler School of Medicine, Tel Aviv University, Israel

17:25-17:35 Donor-Recipient Ethnic Matching Impacts Short and Long-Term Results of Heart Transplantation

Yael Peled¹, Ron Loewenthal¹, Eugenia Raichlin², Itai Gueta¹, Arwas Younis¹, Yigal Kassif¹, Yedael Har-Zahav¹, Eyal Nachum¹, Dov Freimark¹, Ilan Goldenberg¹, Jacob Lavee¹

¹*Heart Transplantation Unit, Sheba Medical Center, Tel-Hashomer and Sackler School of Medicine, Tel Aviv University, Israel*

²*Cardiology Department, Loyola University Medical Center, Maywood, IL, USA*



17:35-18:00 Panel Discussion

16:00-18:00 S28 - Best Oral Presentation Competition

Chair: **Ron Waksman, USA**

Judges: **Eli Lev, Michael Glikson, Ronen Beeri, Israel** **HEB** Hall 3 - Ashdod

16:00 Comparison of Platelet Inhibition in Patients with ST-Elevation Myocardial Infarction vs. non-ST Elevation Myocardial Infarction after a Loading Dose of Swallowed vs. Chewed Ticagrelor

Fernando Chernomordik^{1,2}, Elad Asher^{1,2}, Shir Tal^{1,2}, Amit Segev^{1,2}, Victor Guetta^{1,2}, Israel Barbash^{1,2}, Daniel Elian^{1,2}, Paul Fefer^{1,2}, Anan Younis^{1,2}, Israel Mazin^{1,2}, Roy Beigel^{1,2}, Shlomi Matetzky^{1,2}

¹Leviev Heart Center, Sheba Medical Center, Israel

²Sackler Faculty of Medicine, Tel Aviv University, Israel

16:12 Transcatheter Aortic Valve Implantation Futility Risk Model: From the 4-Sites Israeli TAVI Registry

Oren Zusman^{1,5}, Uri Landes^{1,5}, Israel Barbash^{2,5}, Ariel Finkelstein^{4,5}, Haim Danenberg^{3,6}, Amit Segev^{2,5}, Victor Guetta^{2,5}, Katia Orvin^{1,5}, Abid Assali^{1,5}, Alon Barshesht^{1,5}, Ran Kornowski^{1,5}

¹Department of Cardiology, Rabin Medical Center, Please Select, Israel

²Department of Cardiology, Chaim Sheba Medical Center, Israel

³Department of Cardiology, Hadassah Hebrew University Medical Center, Israel

⁴Department of Cardiology, Tel-Aviv Sourasky Medical Center, Israel

⁵Sackler Faculty of Medicine, Tel-Aviv University, Please Select, Israel

⁶Faculty of Medicine, Hebrew University of Jerusalem, Israel

16:24 Net Clinical Benefit of Anticoagulant Treatments in Elderly Patients with Non-Valvular Atrial Fibrillation

Hilmi Alnsasra¹, Moti Haim¹, Orna Reges², Ran Balicer², Morton Leibowitz², Moshe Hoshen², Meytal Avgil-Tsadok²

¹Cardiology Department, Soroka Medical Center, Israel

²Research Institute, Clalit Health Services, Israel

16:36 Effects and Safety of Beta-Blocker Withdrawal Among Patients Undergoing Transcatheter Aortic Valve Replacement

Arwa Younis¹, Katia Orvin³, Eyal Nof¹, Israel Barabash¹, Victor Guetta¹, Anat Berkovitch¹, Paul Fefer¹, Amit Segev¹, Michael Glikson², Abid Assali³, Hana Vaknin³, Ran Kornowski³, Roy Beinart¹

¹Cardiology, Sheba Medical Center, Israel

²Cardiology, Shaare Zedek Medical Center, Israel

³Cardiology, Rabin Medical Center (Billinson), Israel



16:48 Efficacy and Safety of New Generation Transcatheter Aortic Valves: Insights from the Israeli

Transcatheter Aortic Valve Implantation Registry

Zach Rozenbaum^{1,2}, Ariel Finkelstein^{1,2}, Arie Steinvil^{1,2}, Amir Halkin^{1,2}, Shmuel Banai^{1,2}, Israel Barbash^{2,4}, Amit Segev^{2,4}, Victor Guetta^{2,4}, Haim Danenberg⁵, Katia Orvin^{2,3}, Hana Vaknin Assa^{2,3}, Abid Assali^{2,3}, Ran Kornowski^{2,3}

¹Cardiology, Sourasky Tel Aviv Medical Center, Israel

²Sackler Faculty of Medicine, Tel Aviv University, Israel

³Cardiology, Rabin Medical Center, Israel

⁴Cardiology, Sheba Medical Center, Israel

⁵Cardiology, Hadassah Hebrew University Medical Center, Israel

17:00 Right Ventricle Remodeling Patterns in Severe Tricuspid Regurgitation-Insight from a Longitudinal Study

Oran Tzuman¹, Gil Marcus³, Itzhak Vitkon-Barkay³, Dov Wexler², Simon Biner², Gadi Keren², Zvi Vered³, Sa'ar Minha³, Yan Topilsky²

¹Cardiology Division, Assuta Ashdod University Hospital, Israel

²Division of Cardiovascular Diseases and Internal Medicine, Tel Aviv Medical Center, Israel

³Cardiology Department, Assaf Harofeh, Medical Center, Israel

17:12 Oral Abstract Submission Award Ceremony

18:00-19:00 Annual General Assembly of the Israel Heart Society and Israel Cardiology Association