The 63rd Annual Conference of the Israel Heart Society
in association with
the Israel Society of Cardiothoracic Surgery

April 12-13 • 2016 • Tel Aviv, Israel

SCIENTIFIC PROGRAM

Paragon Israel (Dan Knassim)
Tel/Fax: 03-576 7730/7
secretariat@israelheart.com
08:30

Effect of Diameter of Drug-Eluting Stents versus Bare-Metal Stents on Late Outcomes: a Propensity Score-Matched Analysis

Amos Levi\textsuperscript{1,2}, Tamir Bentalm\textsuperscript{1,2}, Hana Veknin Assa\textsuperscript{1,2}, Gabriel Greenberg\textsuperscript{1,2}, Eli Lev\textsuperscript{1,2}, Ran Kornowski\textsuperscript{1,2}, Abid Assali\textsuperscript{1,2}

\textsuperscript{1}Cardiology, Rabin Medical Center, \textsuperscript{2}Sackler Faculty of Medicine, Tel Aviv University, Israel

08:41

Percutaneous Valve-in-Valve Implantation for the Treatment of Aortic, Mitral and Tricuspid Structural Bioprosthetic Valve Degeneration

Uri Landes\textsuperscript{1}, Abid Assali\textsuperscript{1}, Ram Sharoni\textsuperscript{1,2}, Hanna Vaknin-Assa\textsuperscript{1}, Katia Orvin\textsuperscript{1}, Amos Levi\textsuperscript{1}, Yaron Shapira\textsuperscript{1}, Shmuel Schwartzenberg\textsuperscript{1}, Ashraf Hamdan\textsuperscript{1}, Tamir Bentalm\textsuperscript{1}, Alexander Sagie\textsuperscript{1}, Ran Kornowski\textsuperscript{1}

\textsuperscript{1}Department of Cardiology, Rabin Medical Center, Tel Aviv, \textsuperscript{2}Department of Cardiac Surgery, Rabin Medical Center, Tel Aviv, Israel

08:52


Uri Landes\textsuperscript{1}, Alon Barsheshet\textsuperscript{1}, Abid Assali\textsuperscript{1}, Hanna Vaknin-Assa\textsuperscript{1}, Israel Barbash\textsuperscript{3}, Victor Guetta\textsuperscript{3}, Amit Segev\textsuperscript{3}, Ariel Finkelstein\textsuperscript{3}, Amir Halkin\textsuperscript{2}, Jeremy Ben-Shoshan\textsuperscript{2}, Ran Kornowski\textsuperscript{1}

\textsuperscript{1}Department of Cardiology, Rabin Medical Center, Tel Aviv, \textsuperscript{2}Cardiology, Sourasky Medical Center, \textsuperscript{3}Cardiology, Sheba Medical Center, Tel HaShomer, Israel

09:03

Short Term Outcomes of Patients Undergoing TAVI with and without the Presence of an Anesthesiologist in the Catheterization Laboratory

Maayan Konigstein, Jeremy Ben-Shoshan, Nir Flint, Gilad Margolis, Amir Halkin, Gad Keren, Shmuel Banai, Ariel Finkelstein

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

09:14

Short Term Outcomes of Transcatheter Aortic Valve Implantation with New Generation Devices

Jeremy Ben-Shoshan, Maayan Konigstein, Udi Chorin, Arie Steinvil, Yaron Arbel, Leehee Barak, Michael Barkagan, Amir Halkin, Samuel Bazan, Gad Keren, Shmuel Banai, Ariel Finkelstein

Cardiology, Tel-Aviv Medical Center, Israel

09:25

Balloon Post-dilatation and Outcome among Patients Undergoing Trans Aortic Valve Implantation

Noam Fink\textsuperscript{1}, Amit Segev\textsuperscript{1}, Ariel Finkelstein\textsuperscript{2}, Ran kornowski\textsuperscript{3}, Israel Barbash\textsuperscript{1}, Amir Halkin\textsuperscript{2}, Abid Assali\textsuperscript{3}, Zach Rosenbaum\textsuperscript{2}, Arie Steinvil\textsuperscript{2}, Hana Vaknin-Assa\textsuperscript{3}, Jeremy Ben Shoshan\textsuperscript{2}, Paul Fefer\textsuperscript{1}, Victor Guetta\textsuperscript{1}
Coronary Artery Disease among Survivors of VT/VF Arrest
Dan Kiselnik, Jonathan Balkin, Michael Ilan, Aharon Medina, Adi Butnaru, David Rosenmann, Mady Moriel, Marc Klutstein, Rafael Wolff, Giora Weisz, Moshe Rav Acha
Cardiology, Shaare Zedek Medical Center, Jerusalem, Israel

Comparative Matched Outcome of Evolut-R vs. CoreValve Transcatheter Aortic Valve Implantation
Uri Landes, Alon Barsheshet, Tamir Bental, Abid Assali, Hanna Vakinin-Assa, Amos Levi, Katia Orvin, Ran Kornowski
Cardiology, Rabin Medical Center, Petah-Tikva, Israel

Non-invasive Lung IMPEDANCE-Guided Preemptive Treatment in Chronic Heart Failure Patients: a Randomized Controlled Trial (IMPEDANCE-HF trial).
Michael Kleiner Shochat1,2, Avraham Shotan1,2, David S Blondheim1,2, Mark Kazatsker1,2, Iris Dahan1,2, Aya Asif1,2, Yoseph Rozenman1,2,3, Ilia Kleiner4,5, Jean Marc Weinstein5, Aaron Frimerman1, Lubov Vasilenko1,2, Simcha Meisel1,2
1Heart Institute, Hillel Yaffe Medical Center, Hadera, Iceland, 2Rappaport School of Medicine, Technion, Haifa, 3Cardiovascular Institute, Wolfson Medical Center, Holon, 4Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv, 5Cardiology Department, Soroka University Medical Center, Beer Sheva, Israel

Body Surface Area as a Prognostic Marker in Chronic Heart Failure Patients. Results from the Heart Failure registry of the European Society of Cardiology
Barak Zafrir1, Nabeeh Salman2, Aldo P Maggioni3, Cecile Laroche3, Offer Amir2
1Cardiovascular Division, Lady Davis Carmel Medical Center, Haifa, 2Cardiovascular Department, Poryia Medical Center, Tiberius, Israel, 3EURObservational Research Programme, European Society of Cardiology, Sophia-Antipolis, France

Serum Potassium Levels and Clinical Outcome in Patients with Chronic Heart Failure
Sara Hoss, Yair Elizur, David Luria, Andre Keren, Chaim Lotan, Israel Gotsman
Heart Institute, Hadassah University Hospital, Jerusalem, Israel

The Management and Outcome of Israeli in Comparison with European Heart Failure Hospitalized and Ambulatory Patients: Results from ESC Heart Failure Long-term Registry
Avraham Shotan1, Tuvia Ben Gal2, Alicia Vazan1, David S Blondheim1, Simcha R Meisel1, Shochat Michael1, Frimerman Aharon1, Israel Gotesman3, Offer Amir4
1Heart Institute, Hillel Yaffe Medical Center, Hadera, 2Heart Institute, Rabin Medical Center, Petah Tikva, 3Heart Institute, Hadassah Medical Center, Jerusalem, 4Heart institute, Baruch Padeh Medical Center, Poriya, Israel
The Effect of Multipoint Pacing on the Left Ventricular Mechanics in Heart Failure Patients
Shai Tejman Yarden¹, Noa Bachner-Hinenzon², Offir Ertracht³, Maayan Perry⁴, Alain Serraf⁵, David Mishali⁶, Michael Glikson⁷
¹Pediatric Cardiology, Seba Medical Center, Ramat Gan, ²Cardiac, Analyze it Ltd, Tuval, Israel
³Eliachar Research Laboratory, Western Galilee Hospital, Nahariya, ⁴Cardiac, Gamida Ltd, ⁵Davidai Arrhythmia Center, the Heart Center, Sheba Medical Center, Ramat Gan, Israel

The Hemodynamic Effect and Safety of Intermittent Sequential Pneumatic Compression Leg Sleeves in Patients with Congestive Heart Failure
Amitai Bickel, Alexander Shturman, Michael Sergeiev, Shimon Ivry, Arie Eitan, Shaul Atar
Cardiology, Anesthesia and Surgery A, Galilee Medical Center, Nahariya, HaZafon, Israel

Apoptotic Endothelial Cell-derived Microparticles to Mononuclear Progenitor Cells Ratio as a Novel Biomarker in Advanced Heart Failure Patients
Alexander Berezin¹, Alexander Kremzer²
¹Internal medicine, Medical University, Zaporozhye, ²Clinical pharmacology, Medical University, Zaporozhye, Ukraine

08:30-10:00 Hot Topics in CIED Treatment, Hall C
Chairs: Alon Barsheshet, Mahmoud Suleiman, Israel

Anemia and the Risk of Life-Threatening Ventricular Tachyarrhythmias: Prospective Real World Data from the Israeli ICD Registry
Ido Goldenberg¹, Alon Barsheshet³, Avishag Laish-Farkash², Moshi Swissa⁴, Yoav Michowitz⁵, Glikson Michael⁶, Mahmoud Suleiman¹
¹Cardiology, Rambam Medical Center, Haifa, ²cardiology, Barzilai Medical Center, Ashkelon, ³Cardiology, Rabon Medical Center, Petah Tiqwa, ⁴Cardiology, Kaplan Medical Center, Rehovot, ⁵Cardiology, Tel Aviv Medical Center, Tel Aviv, ⁶Cardiology, Sheba Medical Center, Ramat Gan, Israel

Characteristics and Outcomes of Diabetic Patients with an Implantable Cardioverter Defibrillator in a Real World Setting: Results from the Israeli ICD Registry
Hillel Steiner¹, Ilan Goldenberg², Mahmoud Suleiman³, Michael Glikson², Moshe Swissa⁴, Gregory Golovchiner⁵, Boris Strasberg³, Alon Barsheshet⁵
¹Division of Cardiovascular Medicine, The Baruch Padeh Medical Institute, Poriya, ²Department of Cardiology, The Heart Center, Chaim Sheba Medical Center, Sackler School of Medicine, ³Department of Cardiology, Rambam Medical Center, ⁴Department of Cardiology, Kaplan Medical Center ⁵Department of Cardiology, The Rabin Medical Center, Israel

Cardiac Resynchronization Therapy with Pacing (CRT-P) versus with Defibrillation (CRT-D) in Octogenarian Patients with Heart Failure in a Real-World Setting
Avishag Laish-Farkash¹, Sharon Bruoha¹, Amos Katz¹, Ilan Goldenberg², Mahmoud Suleiman³, Vladimir Khalameizer⁴
¹Department of Cardiology, Barzilai Medical center, and The Faculty of Health Sciences, Ben-Gurion University of the Negev, Ashkelon, ²The Israeli Association for Cardiovascular Trials,
Correction of Right Ventricular Pacing Induced Reduction in Coronary Flow by Left and Biventricular Pacing

Dawod Sharif1,2, Nemer Samniah1,2, Ahmad Yehia2, Yasmin Sharif2, Amal Sharif-Rasslan3, Uri Rosenschein2

1Cardiology, Bnai Zion Medical Center, 2Medicine, Technion Israel Institute of Technology, 3Science and Technology, Technion Israel Institute of Technology, Haifa, Israel

Propionibacterium Acnes Pacemaker Implant Infections: an Under-recognized Cause

Shelly Kagan1, Anat Wieder-Finesod2, Debby Ben-David2, Galia Rahav2, Rafael Diamante1, David Berlev1, Igor Liphcenca1, Osnat Gurevitz1, Michael Eldar1, Roy Beinart1, Michael Glikson1, Eyal Nof1

1Cardiology, Sheba Medical Center, 2Infectious diseases, Sheba Medical Center, Israel

Characterization of New Clinical Phenomena: Shock Following Cardiac Implantable Electronic Device Extraction

Orwa Younis1, Roy Beinart1, Nofrat Nehoray2, Igor Lipchenca1, Osnat Gurevitz1, Shlomi Mateztky1, Roy Beigel1, Michael Eldar1, Michale Glikson1, Eyal Nof1

1Cardiology, Sheba Medical Center, 2ER, Sheba Medical Center, Israel

Coronary Artery Blood Flow in Acute Ischemic Stroke

Dawod Sharif1,3, Fadi Abu Ahmad2, Yasmine Sharif2, Amal Sharif-Rasslan4,5, Uri Rosenschein1,3, Ayed Mahajneh3, Boaz Weller2,3

1Cardiology, Bnai Zion Medical Center, 2Neurology, Bnai Zion Medical Center, 3Medicine, Technion - Israel Institute of Technology, 4Science and Technology, Technion Israel Institute of Technology, 5Mathematics, The Academic Arab College, Haifa, Israel

Low-level Laser Therapy to the Bone Marrow to Stimulate Stem Cells that Home in on the Post-myocardial Infarction Tissue in Humans: Safety and Feasibility Study

Alex Blatt1,3, Gabby Elbaz-Greener1,3, Oran Tzuman1,3, Marina Leitman1,3, Zvi Vered1,3, Uri Oron2

1Cardiology Division, Assaf Harofeh Medical Center, Zerifin, 2Department of Zoology, Faculty of Life Sciences, 3Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel

Ischemic Burden in Patients Experiencing Primary Ventricular Fibrillation

Shaul Atar, Barak Erlich
Cardiology, Galilee Medical Center, Nahariya, HaZafon, Israel

Machine Learning for Prediction of 30 Day Mortality after ST Elevation Myocardial Infarction: an Acute Coronary Syndrome Israeli Survey Data Mining Study
Contemporary Registry of Intermediate and High Risk Pulmonary Embolism Patients Presenting to a Large Tertiary Medical Center (PLATIS-PE)

Roy Beigel, Israel Mazin, Romana Herscovici, Orly Goitein, Yigal Kassif, Sagit Ben-Zekrey, Paul Fefer, Ehud Raanani, Elad Asher, Shlomi Matetzky

Intensive Cardiac Care Unit, Cardiac Surgery, Cardiovascular Imaging, The Leviev Heart Center, Sheba Medical Center, Tel-Aviv University, Tel Hashomer, Israel

The Need for Escalation Therapy and Mortality in Intermediate Risk Pulmonary Emboli Patients – Results of a Large Tertiary Center Registry (PLATIS - PE)

Shlomi Matetzky, Israel Mazin, Orly Goitein, Romana Herscovici, Sagit Ben-Zekrey, Yigal Kassif, Paul Fefer, Ehud Raanani, Elad Asher, Roy Beigel

Intensive Cardiac Care Unit, Cardiac Surgery, Cardiovascular Imaging, The Leviev Heart Center, Sheba Medical Center, Tel-Aviv University, Tel Hashomer, Israel

The Escalation and Mortality Dilemma in the Eyes of CTPA

Israel Mazin¹, Orly Goitein², Roy Beigel¹, Romana Herskovitz¹, Sagit Ben Zekry³, Paul Fefer⁴, Elad Asher¹, Shlomi Matetzky¹

¹Intensive Cardiac Care Unit (ICCU), Sheba Medical Center, ²Radiology Department, Sheba Medical Center, ³Non Invasive Cardiology Unit, Sheba Medical Center, ⁴Invasive Cardiology Unit, Sheba Medical Center, Israel

08:30-10:00 New Frontiers in CV Regenerative Medicine, Hall I
Chairs: Alexander Battler, Gad Keren, Israel

Modelling of the Short QT Syndrome Using Human Induced Pluripotent Stem Cells

Rami Shinnawi¹, Naim Shaheen¹, Irit Huber¹, Gil Arbel¹, Amira Gepstein¹, Anke Tijsen¹, Reiner Schimpf², Martin Boggreffe², Lior Gepstein¹

¹Rappaport Faculty of Medicine and Research Institute, Technion – Israel Institute of Technology, Haifa, Israel, ²Department of Medicine, University Hospital Mannheim, Mannheim, Germany
Patient/Disease-specific Pharmacological Screening Utilizing a Human Induced Pluripotent Stem Cells Model of CPVT2
Leonid Maizels1, Irit Huber1, Gil Arbel1, Anke Tijsen1, Amira Gepstein1, Asaad Khouri2, Lior Gepstein1
1Physiology, The Sohns Family Laboratory for Cardiac Electrophysiology and Regenerative Medicine, Rappaport Faculty of Medicine, Technion – Israel Institute of Technology, 2Pediatric Cardiology, Rambam Health Care Campus, 3Cardiology Department, Rambam Health Care Campus, Haifa Israel

08:54

Left Atrial Appendage—an Untapped Source for Cardiac Repair after Myocardial Infarction
Avishag Emanuelov, Jussi Leinonen, Sara Hoss, Yardanna Platt, Phillippe Yeonathan Bouaziz, Ronen Beeri
Cardiovascular Research Center Heart Institute, Hadassah-Hebrew University Medical Center, Jerusalem, Israel

09:06

Attenuation of Diabetic Cardiomyopathy by Caloric Restriction Through PGC-1α Activation
Maayan Waldman1,2, Keren Cohen1,2, Michael Arad2, Danny Gurfield1, Aravot Dan Aravot1, Edith Hochhauser1
1Cardiac Research Laboratory, Felsenstein Medical Research Institute, Tel-Aviv University, Petah-Tikva, 2Leviel Heart Center, Sheba Medical Center, Tel Aviv University, Ramat Gan, Israel

09:18

Haptoglobin Genotype as a Determinant of Benefit or Harm from Niacin in the AIM HIGH Study
Rabea Asleh1, Nina S. Levy2, Gheorge Doros3, Tina Costacou4, Jennifer G. Robinson5, William E. Boden6, Debra L. Simmons7, Patrice Desvigne-Nickens8, George Grunberger9, Todd J. Anderson10, Andrew P. Levy2
1Department of Cardiology, Rambam Medical Center and Laboratory of Vascular Medicine, Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, 2Laboratory of Vascular Medicine, Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel 3Department of Epidemiology, Harvard Clinical Research Institute and Boston University School of Public Health, Boston, MA, USA 4Department of Epidemiology, University of Pittsburgh, Pittsburgh, PA, USA 5Colleges of Public Health and Medicine, University of Iowa, Iowa City, IA, USA 6Department of Medicine, Albany Stratton Veteran Affairs Medical Center, Albany, NY, USA 7Department of Diabetes and Endocrinology Center, University of Utah, Salt Lake City, UT, USA 8Division of Cardiovascular Sciences, National Heart Lung and Blood Institute, NIH, Bethesda, MD, USA 9Department of Endocrinology and Metabolism, Grunberger Diabetes Institute, Bloomfield Hills, MI, USA 10Department of Cardiac Sciences, Libin Cardiovascular Institute, Calgary, Alberta, Canada

09:30

EET, a Lipid Mediator, Upstream of PGC-1α, is required for HO-1 Activation and Mitochondrial Function during Adipocyte Differentiation
Maayan Waldman1,2,3, Luca Vanella1,4, Lars Bellner1, Joseph Schragenheim1, Shailendra Singh1, Daohong Lin1, Anand Lakhkar1, Marco Raffaele1,4, Edith Hochhauser2, Michael Arad3, Nader G. Abraham1
1Department of Pharmacology, New York Medical College, NY, Valhalla, USA 2Cardiac Research Laboratory, Felsenstein Medical Research Institute, Tel-Aviv University, Petah-Tikva, 3Leviel Heart
09:42

The Modulation of Excitation-contraction Coupling in Isolated Cardiomyocytes by Microparticle-carried Sonic Hedgehog Protein

Ludovit Paulis\textsuperscript{1,2}, Jeremy Fauconnier\textsuperscript{2}, Olivier Cazorla\textsuperscript{2}, Jerome Thireau\textsuperscript{2}, Raffaella Soletti\textsuperscript{3}, Bastien Vidal\textsuperscript{2}, Aude Ouille\textsuperscript{2}, Marion Bartholome\textsuperscript{2}, Patrice Bideaux\textsuperscript{2}, Francois Roubille\textsuperscript{2}, Jean-Yves Le Guennec\textsuperscript{2}, Ramaroson Andriantsitohaina\textsuperscript{3}, M. Carmen Martinez\textsuperscript{3}, Alain Lacampagne\textsuperscript{2}

\textsuperscript{1}Institute of Pathological Physiology, Faculty of Medicine, Comenius University, Bratislava, Bratislava, Slovakia
\textsuperscript{2}UMR CNRS 9214, Inserm U1046, Universite de Montpellier, CHRU Montpellier, Montpellier, \textsuperscript{3}INSERM U1063, Stress Oxydant et Pathologies Metaboliques, LUNAM Universite, Angers, Angers, France

08:30-10:00 Ami Cohen Award Competition, Hall J

Ami Cohen Award Competition

08:30

Cefazolin versus Vancomycin and Ceftazidim for Prevention of Sternal Wound Infection after Cardiac Surgery

Tomer Koler\textsuperscript{1}, Esther Houminer\textsuperscript{1}, Orit Blumenfeld\textsuperscript{2}, Amit Korach\textsuperscript{1}, Ehud Rudis\textsuperscript{1}, Uzi Izhar\textsuperscript{1}, Eldad Erez\textsuperscript{1}, Oz M. Shapira\textsuperscript{1}

\textsuperscript{1}Department of Cardiothoracic Surgery, Hadassah Hebrew University Medical Center, Jerusalem, \textsuperscript{2}Israel Center for Disease Control, Ministry of Health, Israel

08:42

Late Outcomes after Second Repair (Re-repair) for Degenerative Mitral Valve

Amjad Shalabi\textsuperscript{1}, Hillit Cohen\textsuperscript{1}, Leonid Sternik\textsuperscript{1}, Boris Orlov\textsuperscript{1}, Alexanedr Kogan\textsuperscript{1}, Alexander Lipey\textsuperscript{1}, Uri Vaturi\textsuperscript{2}, Micha Feinberg\textsuperscript{2}, Ehud Raanani\textsuperscript{1}

\textsuperscript{1}Cardiac Surgery Department, Sackler School of Medicine, Tel- Aviv University, \textsuperscript{2}Cardiology Department, Sackler School of Medicine, Tel- Aviv University, Israel

08:54

A Dedicated Slot in Honor of Prof. Francis Wellens

Ehud Raanani, Israel

09:00

Blood-brain Barrier Disruption Following Cardiopulmonary Bypass: Assessment by Postoperative Magnetic Resonance Imaging

Dan Avramov\textsuperscript{1}, Oren Lev-Ran\textsuperscript{1}, s. Naparstek\textsuperscript{2}, Menachem Matsa\textsuperscript{1}, Lior Raichel\textsuperscript{1}, Tomer Kotek\textsuperscript{1}, Yaron Ishay\textsuperscript{1}, Shani Kaptzon\textsuperscript{1}, Mahmoud Abu salah\textsuperscript{1}, Gideon Sahar\textsuperscript{1}

\textsuperscript{1}The Department of Cardiothoracic Surgery, Soroka University Medical Center, \textsuperscript{2}The Department of Imaging, Soroka University Medical Center, Beer-Sheva, Israel

09:12
Hemoglobin A1C Level in Patients with Diabetes Mellitus Predicts Adverse Outcomes Following Coronary Artery Bypass Surgery

Muhammad Abu Tailakh¹,²,³, Yaron Ishay Shlomo²,³, Janan Awesat², Michael Friger², Victor Novack¹,²,⁴, Gideon Sahar²,³
¹Clinical Research Center, Soroka University Medical Center, ²Faculty of Health Sciences, Ben Gurion University of the Negev, ³Department of Cardiothoracic Surgery, Soroka University Medical Center, ⁴Division of Medicine, Soroka University Medical Center, Israel

09:24

Using Multidisciplinary Approach Pulmonary Thromboendarterectomy is Safe with Excellent Late Outcomes

Ronny Ben-Avi¹, Michael Segel¹,², Sergey Preisman¹,³, Leonid Sternik¹, Ehud Raanani¹, Hans-Joachim Schafer¹, Alexander Kogan¹
¹Cardiothoracic Surgery, Sheba Medical Center, Tel Hashomer, affiliated with the Sackler School of Medicine, Tel Aviv University, ²Pulmonology, Sheba Medical Center, Tel Hashomer, affiliated with the Sackler School of Medicine, Tel Aviv University, ³Anaesthesiology, Sheba Medical Center, Tel Hashomer, affiliated with the Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel, ⁴Cardiothoracic Surgery, Universitätsklinikum des Saarlandes, Homburg, Germany

08:30-10:00 Heart Disease from Childhood to Adult Life, Hall 3
Chairs: Sergey Yalonetsky, Joseph Danieli, Israel

08:30

Ebstein’s Anomaly in Childhood: Factors at Time of Diagnosis that are Associated with Death and Total Survival and Surgical Outcome. A Multicenter Long-term Study

Livia Kapusta
The Netherlands

08:45

Lymphatic System Abnormalities Imaging and Interventions in Patients with Heart Disease

Yoav Dori
USA

09:00

Atopic Predilection among Kawasaki Patients – A Cross-Sectional Study among 1,187,757 Teenagers

Ilan Merdler¹, Ayal Hassidim¹, Odelia Chorin², Ilan Dallal², Ehud Chorin³
¹Medical Corps, Israeli Defense Forces, ²Pediatrics, E. Wolfson Medical Center, Holon, ³Cardiology, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

09:12

Identifying the Genetic Cause of Congenital Heart Defects using Exome Analysis

Asaf Ta-Shma¹, Zeev Perles¹, Nael Al-lahham¹, Prof. Amiram Nir¹, Sagui Gavri¹, Julius Golender¹, Nurit Yaakobi-Simhayoff¹, Ibrahim Abu Zahira¹, Avraham Shaag², Azaria Rein¹, Orly Elpeleg²
¹Department of Pediatric Cardiology, Hadassah, Hebrew University Medical Center, ²Monique and Jacques Roboh Department of Genetic Research, Hadassah, Hebrew University Medical Center, Jerusalem, Israel

09:24

Characteristics and Health Services Utilization among Adults with Congenital Heart Malformations in Israel

Michal Benderly¹,², Leonard Blueden¹,²,³, Jonathan Buber⁴, Alexander Dadashev²,³, Ofra Kalter-Leibovici¹,², Avraham Lorber⁵, Amiram Nir⁶, Sergei Yalonetsky⁵, Gabriel Chodick²,⁷, Dalia
Prevalence of Coronary Artery Disease, Risk Factors and Implications on Healthcare Services Utilization in a Large Cohort of Adults with Congenital Heart Disease in Israel

Yonatan Buber1,8, Leonard Blieden2,8, Alexandreer Dadashev2,8, Rafael Hirsh2,8, Ofra Kalter-Leibovici3,8, Avraham Lorber4,9, Amiram Nir3,10, Sergei Yalonetsky4,9, Gabriel Chodick6, Dalia Weitzman6, Ran Balicer7, Michal Benderly3,8

1Cardiology, Sheba Medical Center, Ramat Gan, 2Cardiology, Rabin Medical Center, Petach Tikva, 3Cardiovascular Epidemiology Unit, Gertner Institute for Epidemiology and Health Policy Research, Ramat Gan, 4Pediatric Cardiology and GUCH Unit, Technion Faculty of Medicine, Rambam Health Care Campus, Haifa, 5Department of Pediatric Cardiology, Hebrew University Medical Center, Hadassah, Jerusalem, 6Medical Division, Maccabi Healthcare Services, Tel Aviv, 8Faculty of Health Sciences, Ben-Gurion University of the Negev, Negev, 9Clalit Research Institute, Clalit Health Services, Tel Aviv, 10Faculty of medicine, Hebrew university, Jerusalem, Israel

Use of the Amplatzer Vascular Plug II for Occlusion of the Native Right Ventricular Outflow Tract in Single Ventricle Palliation

Sharon Borik, Tal Tirosh, Ihab Khatib, David Mishaly, Alain Serraf, Joseph Danieli

Safra International Congenital Heart Center, Chaim Sheba Medical Center and Tel Aviv University, Ramat Gan, Israel

08:30-10:00 Epidemiology and Prevention I, Hall 4 Chairs: Yaakov Henkin, Ophir Avizohar, Israel

Trends of AMI Hospital Admissions, In-hospital and One-year Post-discharge All-cause Mortalities among Jews and Bedouins (2002-2012) – Population Based Study

Ygal Plakht1, Arthur Shiyovich2, Harel Gilutz1

1Faculty of Health Sciences, Soroka University Medical Center and Ben-Gurion University of the Negev, Beer-Sheva, 2Internal Medicine E, Rabin Medical Center, Beilinson Hospital, Petah-Tikva, Israel

Predictors of Long-term Mortality for Survivors of Out-Of-Hospital Cardiac Arrest

Mony Shuvy1,2, Laurie J. Morrison3, Damon C. Scales2, Harindra C. Wijeysundera2,4, Feng Qiu4, Paul Dorian3, Richard Verbeek2, Jason Buick4, Maria Koh4, Jack Tu4, Dennis T. Ko2,4

1Heart Institute, Hadassah Hebrew University Medical Centre, Jerusalem, Israel, 2Schulich Heart Centre, Sunnybrook Health Sciences Centre, Toronto, 3Rescu, Li Ka Shing Knowledge Institute, St.
Insulin Resistant States Predict Cognitive Performance and Cognitive Decline in Coronary Heart Disease Patients

Miri Lutski¹, Galit Weinstein³, David Tanne², Uri Goldbourt¹,⁴
¹Department of Epidemiology, Tel Aviv University, Tel Aviv, ²Neurology, Sheba Medical Center, Tel Hashomer, ³Faculty of Health Sciences, University of Haifa, ⁴Neufeld Cardiac Research Institute, Tel Aviv University, Tel Hashomer, Israel

Decreased Admission Albumin Level is an Independent Predictor of Long-term (10-years) Mortality Following Acute Myocardial Infarction

Arthur Shiyovich¹, Harel Gilutz², Ygal Plakht³
¹Medicine E, Beilinson Hospital, Rabin Medical Center, Petah Tikva, ²Cardiology, Soroka University Medical Center, faculty of Health Sciences, Ben-Gurion University of the Negev, Beer Sheva, ³Unit of Nursing Research, Soroka University Medical Center, Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer Sheva, Israel

CHADS2 and CHA2DS2VASc Scores in Patients with Cardiovascular Diseases Admitted to the Hospital

Dmitry Dratva, Marc Kluststein, Mady Moriel, Tal Hasin, Rafael Wolff, Moshe Rav-Acha, Adi Butnaru, Aaron Medina, David Rosenmann, Jonathan Balkin, Dan Tzivoni, Giora Weisz
Cardiology, Shaare Zedek Medical Center, Jerusalem, Israel

Severe Familial Hypercholesterolemia: Prevalence and Characterization of Patients Presenting for Cardiac Catheterization

Barak Zafrir¹,⁴, Chen Shapiro²,⁴, Gil Lavie³,⁴, David A Halon¹,⁴, Moshe Y Flugelman¹,⁴
¹Cardiovascular Division, Lady Davis Carmel Medical Center, Haifa, ²Director, Clalit Health Services, Haifa and Western Galilee District, ³Department of Medicine, Lady Davis Carmel Medical Center, ⁴Ruth and Bruce Rappaport Faculty of Medicine, Technion - Israel Institute of Technology, Haifa, Israel

The Effectiveness of a Health Promotion Program in 5th-6th Grade Children in Beit Dagan - Second Year Follow Up

Tal Aperman- Itzhak¹, Sigal Eilat- Adar¹,², Zvi Vered³
¹Department of Epidemiology and Preventive Medicine, Sackler Medical Faculty, Tel Aviv University, Tel Aviv, ²Zinman College for Physical Education & Sports, Wingate Institute, Netanya, ³Department of Cardiology Assaf Harofeh Medical Center, Tel Aviv University, Tel Aviv, Israel

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

10:30-12:30 Plenary I - Opening Ceremony
Chairs: Michael Glikson, Ronen Rubinstein, Israel Heart Society
Gil Bolotin, Erez Kachel, Israel Society of Cardio Thoracic Surgery, Hall ABC

10:30
Opening Introductions:
Michael Glikson – President, Israel Heart Society
Gil Bolotin - Chairman, Israel Society of Cardio Thoracic Surgery
Honorable Minister Rabbi Yaakov Litzman, Minister of Health
Awarding of New Honorary Members of the Israel Heart Society:
Professor Elieser Kaplinsky
Professor Chaim Lotan
Professor Panos E. Vardas
Fellowship Awards of the Israel Heart Society
Recognition of the Industry Round Table of the Israel Heart Society

11:30
Neufeld Memorial Lecture: Looking Into the Future of PCSK9 Inhibition
Michael Gibson
Chief of Clinical Research, Division of Cardiology
Harvard's Beth Israel Deaconess Medical Center, Boston, USA

12:00
Henry Neufeld Awards

12:10
Heart Team
Jan Hoorntje
The Netherlands

12:30-14:30 Lunch & Lunch Sessions, Exhibition & E-Posters Visit, Exhibition

12:30-14:30 Lunch Session - Sponsored By Boehringer Ingelheim, Hall H
Dabigatran 2016: Innovation in Anticoagulation Care

12:30 – 12:45 Gathering
12:45 – 13:00 Opening: Anticoagulation Care 3.0 - Noacs in 2016 and Beyond
Dan Atar,
Dept. of Cardiology B
Vice-President of the ESC
Oslo University Hospital, Norway

13:00 – 13:20 Real-World Experience with Dabigatran – Reassurance for Daily Practice
Yoseph Rozenman,
Head, Cardiovascular Institute
The Edith Wolfson Medical Center
Immediate Past President, Israel Heart Society, Israel

13:20 – 13:40 Innovation in Anticoagulation Care: Availability of the Antidote –Closing the Circle
Chaim Lotan,
Chairman of the Cardiovascular Division,
Hadassah Medical Center
Immediate Past President - Israel Heart Society
Co-Course Director ICI meeting, Israel

13:40 – 14:00 Panel Discussion: Clinical Cases in Which the Antidote “Made The Difference”
Michael Glikson,
Director of Davidai Arrhythmia Center
12:30-14:30 Lunch Session - Sponsored By AstraZeneca, Hall I

Prolonged DAPT
Where Do We Stand Post PEGASUS & DAPT Trials?
Chairman: Prof. Ran Kornowski

12:30 - 12:45 Lunch – First Course

12:45 - 12:55 Opening and Case Presentation
Prof. Ran Kornowski

12:55 - 13:10 The OPTIDUAL Randomized Trial: Twelve Vs 48 Months of Dual Antiplatelet Therapy after Drug-Eluting Stent Placement
Prof. Gérard Helft

13:10 - 13:35 Prolonged DAPT – Where Do We Stand Post PEGASUS & DAPT Trials?
Prof. Shlomi Matetzky

13:35 - 14:00 Panel Discussion
Chairman: Prof. Ran Kornowski
Panel members: Prof. Ilan Goldenberg, Prof. Gérard Helft, Prof. Eli Lev, Prof. Shlomi Matetzky, Prof. Doron Zahger

14:00 - 14:20 Lunch

12:30-14:30 Lunch Session - Sponsored By Sanofi, Hall J

PCSK9 Inhibition: Heralding a New Era for Prevention of Cardiovascular Disease”

Keynote speaker:
M. John Chapman BSc (Hons), PhD, DSc, FESC
Research Professor, University of Pierre and Marie Curie, Director Emeritus, INserm Dyslipidemia and Atherosclerosis Research, Past-President, European Atherosclerosis Society, Pitie-Salpetriere University Hospital, Paris, France

Expert Panel: Prof. Dror Harats, Prof. Leitersdorf Eran, Prof. David Hasdai

12:30-14:30 Lunch- Annual Business Meeting of the Israeli Society of Cardiothoracic Surgery, Gallery Hall

14:30-16:00 Plenary II – Joint Session: European Society of Cardiology (ESC) – Israel Heart Society (IHS) –The ESC Presents
Chairs: Fausto J. Pinto, Portugal, Panos Vardas, Greece, Michael Glikson, Israel, Hall ABC
14:30

Overview – ESC & IHS Long Term Relationship
Fausto J. Pinto
President, European Society of Cardiology
Director, Lisbon Cardiovascular Institute, Lisbon University, Portugal

14:35

Imaging in Heart Failure
Jeroen J. Bax
President-Elect, European Society of Cardiology
Director of Non-invasive Imaging, Department of Cardiology
Leiden University Medical Center, The Netherlands

14:55

Genetics of Cardiovascular Disease
Eloisa Arbustini
Director, Center for Inherited Cardiovascular Diseases
Foundation I.R.C.C.S. Policlinico San Matteo, Pavia, Italy

15:15

Therapies to Prevent Reperfusion Injury in STEMI: A Status 2016
Dan Atar
Vice-President, European Society of Cardiology
Head of Research, Div. of Medicine, Oslo University Hospital,
Ullevål, Norway

15:35

New Horizons in the Treatment of Atrial Fibrillation
Gerhard Hindricks
Director, Electrophysiology Department
Leipzig University Heart Center, Germany

16:00-16:30 Coffee Break, Exhibition & E-posters Visit

16:30-18:00 Interventional Cardiology II, Hall A
Chairs: Amit Segev, Eugenia Nikolsky, Israel

16:30

Image-based Fangio during Coronary Catheterization
Ran Kornowski¹, Ifat Lavi¹, Hana Vaknin-Assa¹, Abid Assali¹, Orna Valtzer¹, Mariano Pellicano², Vincent Flore², Bernard De Bruyne²
¹ Interventional Cardiology, ¹Rabin Medical Center, Petach Tikva, Israel, Petach Tikva, Israel
² Interventional Cardiology, 2Cardiovascular Center Aalst, OLV Hospital, Aalst, Belgium, Aalst, Belgium

16:42

Impact of Renal Dysfunction on Transcatheter Aortic Valve Replacement Outcome in a Large Multicenter Cohort
Amos Levi¹, Pablo Codner¹, Giuseppe Gargiulo², Fabien Praz², Kentaro Hayashida³, Amer Masalha¹, Yusuke Watanabe⁵, Darren Mylotte⁶, Nicolas Debry⁷, Marco Barbanti², Thierry Lefevre⁵,
Feasibility and Safety of the Antecubital Venous Access for Right Heart Catheterization in Pulmonary Hypertension

Avital Avriel¹, Avi Shimony², David Kria³, Romi Kon², Gabriel Rosenstein², Miri Merkin², Yael Raviv¹, Doron Zahger², Carlos Cafri²
¹Pulmonology Institute, Department of Internal Medicine, ²Cardiology Department, Soroka University Medical Center, Ben-Gurion University, Beer-Sheva, Israel

Aortic Valve Gradient and Mortality in Patients Undergoing Transcatheter Aortic Valve Implantation for Severe Aortic Stenosis

Guy Witberg¹, Issy Barbash², Arik Finkelstein³, Abid Assali¹, Amit Segev², Amir Halkin³, Paul Fefer³, Jeremy Ben-Shoshan¹, Maayan Konigstein³, Victor Guetta², Ran Kornowski¹, Alon Barsheshet¹
¹Department of Cardiology, Rabin Medical Center, Petach Tikva, ²Leviev Heart Center, Chaim Sheba Medical Center, Tel Hashomer, ³Department of Cardiology, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

Urgent Transcatheter Aortic Valve Implantation in Patients with Severe Aortic Stenosis and Acute Heart Failure: Procedural and 30 Days Outcomes

Uri Landes, Katia Orvin, Pablo Codner, Abid Assali, Hana Vaknin-Assa, Shmuel Schwartznberg, Amos Levi, Yaron Shapira, Alexander Sagie, Ran Kornowski
Cardiology, Rabin Medical Center, Petah-tikva, Israel

Late Hemodynamic Improvement of Mitral Prosthesis after Transcatheter Mitral Valve in Valve Implantation

Eyal Nachum¹, Israel Barabash², Victor Guetta², Amit Segev², Paul Pefer², Boris Orlov¹, Amihai Shinfeld¹, Ehud Raanani¹
¹Cardiac Surgery, Chaim Sheba Medical Center, Tel-Hashomer, ²Cardiology, Chaim Sheba Medical Center, Tel-Hashomer, Ramat-Gan, Israel

Left Ventricular Mass to Coronary Blood Volume Ratio in Discrimination of Hypertrophic Phenotypes: Hypertrophic Cardiomyopathy and Hypertensive Heart Disease

Ashraf Hamdan¹, Ehud Schwammenthal², Monakier Daniel¹, Ariel Gutstein¹, Gideon Shafir³, Abid Assali¹, Ran Kornowski¹
¹Department of Cardiology, Rabin Medical Center, ²Department of Cardiology, Sheba Medical Center, ³Department of Diagnostic Imaging, Rabin Medical Center, Israel
16:30 Cardiac War Injuries, Management of Penetrating Cardiac ShrapnelA
Ziv Beckerman¹, Oved Cohen¹, Zvi Adler¹, Hany Bahouth², Yoram Kluger², Gil Bolotin¹
¹Cardiac Surgery, ²General Surgery, Rambam Healthcare Campus, Haifa, Israel

16:42 Late Outcomes after Aortic Valve Repair
Eilon Ram, Hillit Cohen, Alexander Kogan, Shani Levin, Sagit Ben Zikri, Ehud Raanani
Departments of Cardiac Surgery and Echocardiography, The Leevie Heart Center, Sheba Medical Center, Ramat Gan, Israel

16:54 Late Outcomes after Second Repair (Re-repair) for Degenerative Mitral Valve
Amjad Shalabi¹, Hillit Cohen¹, Leonid Sternik¹, Boris Orlov¹, Alexander Kogan¹, Alexander Lipey¹, Uri Vaturi², Micha Feinberg², Ehud Raanani¹
¹Cardiac Surgery Department, Sackler School of Medicine, Tel-Aviv University, ²Cardiology Department, Sackler School of Medicine, Tel-Aviv University, Israel

Ram Sharony, Abid Assali, Hana Vaknin Assa, Yaron Shapira, Alexander Sagie, Isreal Kuznitz, Inbal Baruch, Dan Aravot, Ran Kornowski
Cardiothoracic Surgery and the Cardiology, Rabin Medical Center, Israel

17:18 Prediction of Post-operative Left Ventricular Dysfunction in Patients with Severe Mitral Regurgitation
Michal Laufer Perl¹, Yan Topilsky¹, Yanai Ben Gal², Gideon Uretsky², Simon Biner¹
¹Department of Cardiology, Cardiology, Tel Aviv, ²Cardiothoracic Surgery Department, Cardiothoracic, Israel

17:30 Supra-annular (Intra-atrial) Mitral Valve Replacement in Patients with extremely calcified Mitral Valve Annulus
Boris Orlov¹, Yaron Moshkovitz², Ronny Ben-Avi¹, Alexander Kogan¹, Leonid Sternik¹, Ehud Raanani¹
¹Cardiothoracic Surgery, Sheba Medical Center, Tel Hashomer affiliated with the Sackler School of Medicine, Tel Aviv, ²Cardiothoracic Surgery, Assuta Medical Center, Tel Aviv, Israel

17:42 Does Concomitant Surgical Atrial Fibrillation Ablation Increase Immediate and Early Risk of Mitral Surgery?
16:30-18:00 Kellerman Award Competition, Hall C
Chairs: Joseph Shemesh, Eli Lev, Israel

16:30

Novel E-selectin Binding Polymers Reduce Atherosclerotic Lesions in ApoE(-/-) mice
Olga TsoreI,2, Natalie Landa1, David Kain1,2, Dalia Tyomkin3, Ayelet David3, Jonathan Leor1,2
1Sheba Medical Center, Tamman Cardiovascular Research Institute, 2Tel-Aviv University, Neufeld Cardiac Research Institute, 3Ben-Gurion University of the Negev, Department of Clinical Biochemistry and Pharmacology, Faculty of Health Sciences, Israel

16:42

Direct Reprogramming of Fibroblasts in a Failing Heart Improves Cardiac Function
Natali Molotski1,2, David Kain1,2, Uri Amit1,2, Moshe Katz1,2, Natalie Landa1,2, Alina Levich1,2, Jonathan Leor1,2
1Neufeld Cardiac Research Institute, Sheba Medical Center, Tel Aviv University, 2Sheba Center for Regenerative Medicine, Stem Cell, and Tissue Engineering, Tel-Hashomer, Israel

16:54

Body Mass Index in 2,298,130 Adolescents and Cardiovascular Mortality in Adulthood
Gilad Twig1,2,3,4, Gal Yaniv1,3, Hagai Levine6, Adi Leiba1,3,4, Nehama Goldberger5, Estela Derazne3,5, Dana Ben-Ami Shor1,5, Dorit Tzur3, Arnon Afek4,5, Ari Shamiss1,4, Ziona Haklai5, Jeremy Kark6
1Department of Medicine, Sheba Medical Center, 2The Pinhas Borenstein, Talpiot Medical Leadership Program, Sheba Medical Center, 3The Medical Corps, Israel Defense Forces 4The Sackler School of Medicine, Tel Aviv University, 5The Israeli Ministry of Health 6School of Public Health and Community Medicine, Hebrew University-Hadassah, Israel

17:06

The Effect of Moderate Wine Intake on Carotid Atherosclerosis in Type 2 Diabetes, A 2-year Intervention Study
Rachel Golan1, Ilana Harman-Boehm2, Dan Schwarzfuchs3, Ilan Shelef2, Yftach Gepner1, Shula Witkow1, Idit F Liberty2, Benjamin Sarusi3, Uta Ceglarek4, Michael Stumvoll4, Matthias Blüher4, Joachim Thiery4, Meir J Stampfer3, Assaf Rudich1, Iris Shai1, Yaakov Henkin2
1Department of Public Health, Ben-Gurion University of the Negev, 2Soroka University Medical Center, Soroka University Medical Center, Beer Sheva, 3Nuclear Research Center Negev, Nuclear Research Center Negev, Dimona, Israel, 4Department of Medicine, University of Leipzig, Leipzig, Germany, 5Department of Medicine, Channing Division of Network Medicine, Brigham and Women's Hospital and Harvard School of Public Health, Boston, MA, USA

17:18

Gold Nanoparticles Coated with High Density Lipoprotein Enable Both Simultaneous Detection and Therapy of Macrophage-rich Plaques in Animal Models
Dorit Leshem-Lev1, Rina Ankri2, Emanuel Harani1, Menachem Motiei2, Ran Kornowski1, Edith Hochhauser1, Dror Fixler2, Eli Lev1
1Cardiology Department Rabin Medical Center, Cardiovascular Research Laboratories, Felsenstein Medical Research Center, Petah-Tikva, 2Bar-Ilan University, Faculty of Engineering and Institute of Nanotechnology and Advanced Materials, Ramat-Gan, Israel
Development of Novel Human Engineered Heart Tissue Models by the Use of Human iPSCs-Derived Cardiomyocytes and Cardiac-specific Extracellular Matrix

Idit Goldfracht¹, Rami Shinnawi¹, Yael Efrain², Irit Huber¹, Gil Arbel¹, Amira Gepstein¹, Wolfram-Hubertus Zimmermann³, Marcel Machluf², Lior Gepstein¹
¹Rappaport Faculty of Medicine and Research, Technion-Israel Institute of Technology, ²Faculty of Food and Biotechnology Engineering, Technion-Israel Institute of Technology, ³Institute of Experimental and Clinical Pharmacology and Toxicology, University Medical Center Hamburg-Eppendorf, Germany

16:30-18:00 Intensive Cardiac Care, Hall H
Chairs: Doron Zahger, Simcha Meisel, Israel

16:30
Contemporary Snapshot of the Heterogeneity Admixture of Patients Admitted to a Large Tertiary Center Intensive Cardiac Care Unit - PLATIS ICCU
Shlomi Matetzky, Elad Asher, Israel Mazin, Nitza Levi, Paul Fefer, Roy Beigel
Intensive Cardiac Care Unit, The Leeviev Heart Center, Sheba Medical Center, Tel-Aviv University, Tel Hashomer, Israel

16:42
Contemporary Characteristics of Patients Admitted with and without an ACS to the Intensive Cardiac Care Unit – Results from a Large Tertiary Center Registry. PLATIS-ICCU
Roy Beigel, Elad Asher, Israel Mazin, Nitza Levi, Paul Fefer, Shlomi Matetzky
Intensive Cardiac Care Unit, The Leeviev Heart Center, Sheba Medical Center, Tel-Aviv University, Tel Hashomer, Israel

16:54
Decreased Length of Stay in the Intensive Cardiac Care Unit with Preserved Clinical Outcome over the Last Decade
Amir Orlev, Arthur Pollak, Chaim Lotan, Israel Gotsman
Department of Cardiology, Hadassah-Hebrew University Medical Center, Jerusalem, Israel

17:06
Clinical Predictors of the Level of Circulating Immature Platelets in Patients with Acute Coronary Syndrome
Adi Lador¹, Adaya Weissler-Snir¹, Aryeh Abelow², Doron Lederfein³, Negba Hen Hanuka³, Ran Kornowski¹, Eli Lev¹
¹Cardiology Department, Rabin medical center, ²Internal Medicine A, Rabin Medical Center, Beilinson Campus, ³Hematology laboratory, Rabin Medical Center, Hasharon campus, Petah-Tikva, Israel

17:18
Association of Immature Platelets with Adverse Cardiac and Cerebrovascular Outcomes
Adi Lador¹, Adaya Weissler-Snir¹, Aryeh Abelow², Doron Lederfein³, Negba Hen Hanuka³, Ran Kornowski¹, Eli Lev¹
¹Cardiology Department, Rabin medical center, ²Internal Medicine A, Rabin Medical Center, Beilinson Campus, ³Hematology and Coagulation Laboratory, Rabin Medical Center, Hasharon Campus, Petah-Tikva, Israel
Sensitivity and Specificity of Two Different Automated External Defibrillators (AED) Used in in-Hospital and Out-Of-Hospital Cardiac Arrest

Joerg Carlsson\textsuperscript{1,2}, Johan Israelsson\textsuperscript{1,2}, Kristofer Årestedt\textsuperscript{2}, Burkard Von Wangenheim\textsuperscript{1}
\textsuperscript{1}Dept. of Cardiology, Kalmar County Hospital, \textsuperscript{2}Faculty of Health and Life Sciences, Linnaeus University, Kalmar, Sweden

Respiratory Guard System: New Technology

Zvi Peled\textsuperscript{1}, Avishai Zisser\textsuperscript{2}, Michal Fertouk\textsuperscript{1}, Keren Bitton-Worms\textsuperscript{1}, Victor Kerzman\textsuperscript{1}, Gil Bolotin\textsuperscript{1}
\textsuperscript{1}Department of Cardiac Surgery, Rambam Health Care Campus, Technion – Faculty of Medicine, \textsuperscript{2}Department of Anesthesia, Rambam Health Care Campus, Technion – Faculty of Medicine, Haifa, Israel
16:30 - 18:00
Joint Session: The Working Group on Myocardial & Pericardial Diseases / Heart Failure and Israel Society of Cardiothoracic Surgery: Surgical Treatment of Advanced Heart Failure, Hall I
Chairs: Jacob Lavee, Tuvia Ben-Gal, Israel

16:30
Trends of Early and Late Rejection Rates Following Heart Transplantation over the Past Two Decades: Real world Data from a National Tertiary Center Registry
Moshe Katz¹, Jacob Lavee², Yedael Har-Zahav¹, Michael Arad¹, Yedida Shemesh¹, Yigal Kassif², Nir Shlomo³, Ilan Goldenberg¹, Dov Freimark¹, Yael Peled¹
¹Cardiology, Sheba Medical Center, ²Cardiothoracic Surgery, Sheba Medical Center, ³The Israeli Association for Cardiovascular Trials, Sheba Medical Center, Israel

16:42
The Impact of Gender Mismatching on Early and Late Outcomes Following Heart Transplantation
Yael Peled¹, Moshe Katz¹, Jacob Lavee², Michael Arad¹, Yedida Shemesh¹, Yigal Kassif², Yedael Har-Zahav¹, Ilan Goldenberg¹, Dov Freimark¹
¹Cardiology, Sheba Medical Center, ²Cardiothoracic Surgery, Sheba Medical Center, Israel

16:54
Gender Differences in Mortality of Candidates for Heart Transplantation in Israel
Sergei Amunts¹, Yigal Kassif¹, Yael Peled², Yedael Har-Zahav², Dov Freimark², Dan Admon³, Tuvya Ben Gal¹, Jacob Lavee¹
¹Cardiac Surgery, Leviev Heart Center, ²Cardiology, Leviev Heart Center, Sheba Medical Center, ³Cardiology, Hadassah Medical Center, Israel

17:06
Left Ventricular Assist Device Therapy for Advanced Heart Failure – the Sheba experience
Avishay Grupper, Dov Freimark, Yigal Kassif, Yedida Shemesh, Alexander Kogan, Sergey Preisman, Jacob Lavee
Leviev Heart Center, Sheba Medical Center, Tel Hashomer, Israel

17:18
Continuous Flow Left Ventricular Assist Devices: One Year Survival by Era. A Single Center Experience
Daniel Murninkas¹, Binyamin Ben Avraham¹, Israel Mats¹, Tal Hassin¹, Victor Rubchevsky², Miriam Abuhazira³, Dmitry Golubov², Viki Yaari¹, Yulia Zusman¹, Benjamin Medalion², Ran Kornowsky¹, Dan Aravot², Tuvia Ben Gal¹
¹Cardiology, Rabin Medical Center, ²Cardiac Surgery, Rabin Medical Center, Petach Tikva, Israel

17:30
Endothelial Dysfunction during Continuous Flow Left Ventricular Assist Device Support: Effects on the Number and Function of Endothelial Progenitor Cells
Tal Hasin¹, Eli Lev²,³, Dorit Leshem-Lev³, Daniel Murninkas², Benjamin Ben-Avraham², Miriam Abuhazira³, Dmitry Golubov², Victor Rubchevsky², Dan Aravot³, Ran Kornowski², Tuvia Ben-Gal²
¹Cardiology, Shaare Zedek Medical Center, Jerusalem, ²Cardiology, Rabin Medical Center, ³Vascular Research, The Felsenstein Medical Research Institute, ⁴Cardiothoracic Surgery, Rabin Medical Center, Petah-Tikva, Israel

17:42
Peripheral Vein Saturation May be Used as a Surrogate Marker for Increased Susceptibility to Gastrointestinal Bleeding in LVAD Patients

Yaron D. Barac¹, Victor Rubchevsky¹, Tuvia Ben-Gal¹, Ram Sharony¹, Daniel Murninkas², Miriam Abuhazira¹, Dimitry Golubov¹, Victoria Yaari², Tal Hasin², Ben Ben-Avraham², Benjamin Medalion¹, Eitan Snir¹, Ran Kornowski², Dan Aravot¹

¹The Cardiothoracic Department, Rabin Medical Center, ²The Cardiology Department, Rabin Medical Center, Petach Tikva, Israel

16:30-18:00 AFICARDIO - Management of Cardiotoxicity of Antineoplastic Drugs, Hall J
Chairs: Ariel Aaron Cohen, France, Bernard Belhassen, Israel

16:30
Pathophysiology of Cardiotoxicity of Antineoplastic Drugs
Atul Pathak
Chair, Clinical Research
Head of Hypertension and Heart Failure
Director of Onco Cardiology Unit Clinique Pasteur, Toulouse, France

16:50
Evaluation of Toxicity with Biomarkers
Zaza Iakobishvili
Israel

17:10
Cardiac Imaging of Cardiotoxicity
Avinoam Shiran
Israel

17:30
Therapies to Prevent Cardiotoxicity
Stephane Ederhy
Noninvasive Unit, Echocardiography, Cardiology Department
APHP, Saint-Antoine & Tenon Hospital, Pierre et Marie Curie University, Paris, France

17:50
Discussion

16:30-18:00 Comprehensive Cardiac Imaging, Hall 3
Chairs: Tali Sharir, Jonathan Lessick, Israel

16:30
Pulmonary Hypertension: A Nomogram Based on CT Pulmonary Angiographic Data for Prediction in Patients without Pulmonary Embolism
Hezzy Shmueli², Galit Aviram, Sharon Adam¹, Ahid Benet¹, Tomer Ziv-Baran⁵, Arie Steinvil², Shlomo Berliner⁵, Nahum Nesher⁴, Yanai Ben-Gal¹, Yan Topilsky²

¹Radiology, TASMC, ²Cardiology, TASMC, ³Internal medicine E, TASMC, ⁴Cardiothoracic Surgery, TASMC, ⁵Epidemiology and Preventive Medicine, School of Public Health, Sackler Faculty of Medicine, TAU, Tel Aviv, Israel
Acute Pulmonary Embolism among Patients with and without Malignancy: Comparison of Cardiac Measurements Using CT Pulmonary Angiography

Assi Milwidsky,1,3 Yitzhak Hadad,2 Eugine Soïkher,2 Achiude Bendet,2 Sharon Greenberg,1 Yan Topilsky3, Tomer Ziv-Baran4, Shlomo Berliner1, Galit Aviram2
1Department of Internal Medicine "E", Tel Aviv Sourasky Medical Center, 2Department of Radiology, Tel Aviv Sourasky Medical Center, 3Department of Cardiology, Tel Aviv Sourasky Medical Center, 4Department of Statistical Science, Tel Aviv University, Tel-Aviv, Israel

Correlation of LBBB and Mechanical LV Dyssynchrony in Patients with Normal and Abnormal Left Ventricular Function and Prediction of Mortality

Nili Zafrir, Tamir Bental, Boris Strasberg, Israel Mats, Ariel Gutstein, Ran Kornowski, Alejandro Solodky
Cardiology, Rabin Medical Center, Beilinson Center, Petah Tikva, Israel

Prognostic Value of Left Ventricular Dyssynchrony by Myocardial Perfusion Gated SPECT in Patients with LVEF≤ 35%

Alejandro Solodky1,2, Tamir Bental1,2, Ariel Gutstein1,2, Israel Mats1,2, Ran Kornowski1,2, Nili Zafrir1,2
1Cardiology, Rabin Medical Center (Beilinson), Petach Tikva, Dan, 2Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

Quantitation of Left Ventricular Ejection Fraction Reserve from Early Gated Regadenoson Stress Tc-99m High Efficiency SPECT

Yafim Brodov1, Mathews Fish2, Heidi Gransar1, Danielberman1, Guido Germano1, Piotr Slomka1
1Nuclear Cardiology and Cardiac Imaging, Cedars Sinai Medical Center, Los Angeles, California, USA, 2Nuclear Medicine Department, Oregon Heart and Vascular Institute, Sacred Heart Medical Center, Springfield, Oregon, USA

Prognostic Value of Ultrafast Myocardial Perfusion Spect Imaging Using an Intergrated Stress-first and Stress-Only Approach

Tali Sharir1, Boris Brodkin1,3, Beatriz Hemo2, Judith Tsamir2, Gil Kovalski4, Vitali Prochorov1, Andrzej Bojko1, Marina Pinskie1, Konstantine Merzon1, Amos Katz1,3
1Nuclear Cardiology, Assuta Medical Centers, 2Assessment and Investigation, Maccabi Healthcare Services, Tel Aviv, 3Cardiology, Barzilai University Medical Center, Ashkelon, 4Nuclear Medicine, General Electric, Haifa, Israel

Pericardial Adiposity Trajectory during Long-term Lifestyle Intervention: CENTRAL-HEART MRI RCT Sub-study

Gal Tsaban1,2, Arik Wolak3, Hila Avni-Hasid1, Yftah Gepner1, Ilan Shelef2, Dan Schwartzfuchs2,4, Noa Cohen1, Nitzan Bril1, Michal Lerner1, Dana Serfaty1, Shira Kenigsbuch1, Lilac Tene1, Hila Zelicha1, Anat Yaskolka-Meir1, Oded Komy1, Yoash Chassidim2, Benjamin Sarusy4, Uta Ceglarek6, Michael Stumvoll6, Matthias Blüher6, Joachim Thiery6, Yaakov Henkin2, Dror Diker5, Assaf Rudich1, Meir J Stampfer7, Iris Shai1
1Faculty of Health Sciences, Ben-Gurion University of the Negev, 2Soroka University, Medical
16:30-18:00 Cardiac Rehabilitation, Hall 4
Chairs: Jacob Klein, Robert Klempfner, Israel

16:30

Association between Norton Scale Score and Long-term Mortality after Acute Myocardial Infarction

Hagar Silber, Ygal Plakht, Arthur Shiyovich, Harel Gilutz
Primary Care Clinic, Clalit Health Services, Gedera, Faculty of Health Sciences, Soroka University Medical Center and Ben-Gurion University of the Negev, Beer-Sheva, Internal Medicine E, Rabin Medical Center, Beilinson Hospital, Petah-Tikva, Israel

16:42

The Utility and Outcome of Multidisciplinary Cardiac Rehabilitation after Myocardial Infarction in the Modern Era

Jacob Klein, Noa Raviv Ables, Michael Mazar, Ariel Karawan, Allon Kirschner, Rachel Aran, Zviya Mizrachi, Rivka Farkash, Jonathan Balkin, Marc Klutstein, Dan Tzivoni, Giora Weisz
Cardiology, Shaare Zedek Medical Center, Jerusalem, Israel

16:54

Comparison between Moderate-high Interval Training and Continuous Training in a Real-life Cardiac Rehabilitation Program - 6 Months Follow-up

Yael Pernick, Jonathan Moore, Hans-Peter Kubis, Itzhak Zyssman, Zvika Vered
Cardiology, Asaf Harofe, Israel, School of Sport, Health, and Exercise Sciences, Bangor University, Bangor, Wales, UK

17:06

Treatment Gaps in Management of Patients Following Acute Myocardial Infarction: Analysis of Real-World Data

Dahlia Weitzman, Lori D. Bash, Ofer Sharon, Assi Milwidsky, Gabriel Chodick, Varda Shalev
Department of epidemiology and database research, Maccabitech, Maccabi Healthcare Services, Sackler Faculty of Medicine, Tel-Aviv University, Tel Aviv, Israel, Global Health Outcomes, C.O.R.E., Merck & Company, Inc., Rahway, NJ, USA, Medical Affairs, MSD Israel, Hod Hasharon, Internal department E, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

17:18

A New Cardiac Rehabilitation Unit in Haemek Medical Center. The First Patients Demographic and Clinical Characteristics

Menachem Nahir, Sophie Gordon, Ilia Lachman, Hagar Shumovitz
Cardiology, Cardiac Rehabilitation Unit, Israel

17:30

Increase of Biomarkers after the Kalmar Ironman in Male and Female Non-Elite Triathletes
Atherosclerotic Burden and Heart Failure after Myocardial Infarction

Yariv Gerber, Susan Weston, Maurice Enriquez-Sarano, Sheila Manemann, Alanna Chamberlain, Ruoxiang Jiang, Véronique Roger

1Epidemiology and Preventive Medicine, Tel Aviv University, Tel Aviv, Israel
2Health Sciences Research, Mayo Clinic, Rochester, Minnesota, USA

WEDNESDAY APRIL 13, 2016

08:30-10:00 Interventional Cardiology III, Hall A
Chairs: Ronen Jaffe, Ariel Roguin, Israel

08:30
Comparison of instantaneous wave-free ratio (iFR) and fractional flow reserve (FFR)
Oranit Shlomi, Eli Lev, Amnon Eitan, Amir Solomonica, Katia Orvin, Sergey Yalonetsky, Eugenia Nikolsky, Anees Musallam, Ariel Roguin

Cardiology, Rambam Medical Center, Haifa, Cardiology, Hasharon Medical Center, Petach Tikva, Israel

08:42
Trans-catheter Valve Implantation (TAVI) Versus Sutureless Aortic Valve Replacement in Elderly Patients
Amjad Shalabi, Israel Barbash, Boris Orlov, Alexander Lipey, Amit Segev, Paul Fefer, Micha Feinberg, Alexander Kogan, Elad Maor, Victor Guetta, Ehud Raanani

1Cardiac Surgery Department, 2Cardiology Department, Chaim Sheba Medical Center, Sackler School of Medicine, Tel-Aviv University, Israel

08:54
Left Ventricular Mass to Coronary Blood Volume Ratio in Patients with Severe Aortic Stenosis Undergoing Transcatheter Aortic valve Implantation
Ashraf Hamdan, Ella Shaviv, Victor Guetta, Israel Barbash, Orly Goitein, Eli Konen, Amit Segev, Paul Fefer, Abid Assali, Ran Kornowski, Ehud Schwammenthal

1Department of Cardiology, Rabin Medical Center, 2Department of Cardiology, Sheba Medical Center, 3Department of Diagnostic Imaging, Sheba Medical Center, Israel

09:06
Iterative Model Reconstruction in Patients Undergoing CT before Transcatheter Aortic Valve Implantation: Reduction of Radiation and Contrast volume
Ariel Gutstein, Ran Kornowski, Abid Asali, Hanah Vaknin, Ashraf Hamdan

Cardiology/Radiology, Rabin Medical Center, Petah Tikva, Israel

09:18
Novel Insight into the "Geographical Miss Phenomenon": Device Motion Indicator, a New Feature to Evaluate Relative Axial Stent Movement inside Coronary Artery and to Facilitate its Precise Deployment Site
Ventricular Septal Defect as a Complication of TAVI: Mechanism and Incidence
Vicki Zeniou¹, Shmuel Chen¹, Dan Gilon¹, Amit Segev², Israel Barbash³, Ariel Finkelstein³, Ronen Beeri³, David Planer¹, Mony Shuvy¹, Chaim Lotan¹, Haim D. Danenberg¹
¹Cardiology, Hadassah Medical Center, Jerusalem, ²Cardiology, Sheba Medical Center, ³Cardiology, Tel Aviv Medical Center, Israel

Transcatheter Aortic Valve Replacement in Patients under the Age of 70
Ehud Regev¹,², Victor Guetta¹,², Ran Kornowski³, Ariel Finkelstein⁴, Katia Orvin³, Amir Halkin⁴, Uri Landes³, Arik Steinvil³, Amos Levi³, Jeremy Ben Shoshan⁴, Israel Barbash¹,², Paul Fefer¹,², Amit Segev¹,²
¹Leviev Heart Center, Sheba Medical Center, Tel Hashomer, ²Sackler School of Medicine, Tel Aviv University, Tel Aviv, ³Cardiology, Rabin Medical Center, Petach Tikva, ⁴Heart Institute, Tel Aviv Medical Center, Tel Aviv, Israel

Flow Acceleration Time for the Diagnosis of Severe Aortic Stenosis
Israel Mazin, Moshe Katz, Ori Vaturi, Rafael Kuperstein, Roy Beigel, Elad Asher, Micha S. Feinberg, Sagit Ben Zekry
Non Invasive Cardiology Unit, Sheba Medical Center, Israel

Complementary TEE to TTE in Aortic Stenosis Severity Assessment – Is there an Added Benefit?
Shmuel Schwartzenberg, Alexander Sagie, Shirit Kazum, Mordechai Vaturi, Daniel Monakier, Ran Kornowski, Yaron Shapira
Cardiology, Rabin Medical Center, Beilinson Hospital, Petach Tikva, Israel

Impact of Negative Trans-thoracic Echocardiography in the Diagnosis of Infective Endocarditis
Marina Leitman¹,², Eli Peleg¹,², Ruthie Shmueli¹, Zvi Vered¹,²
¹Department of Cardiology, Assaf Harofeh Medical Center, ²Sackler School of Medicine, Tel Aviv University, Israel

"Sound-based" Compared to "Ultrasound-based" Diagnosis of Valvular Pathologies by Final Year Medical Students
Lior Zeller¹, Tomer Maman¹, Tali Shafat Fainguelernt¹, Ianiv Fainguelernt¹, Leonid Barski¹, Sergio L. Kobal²
¹Internal Medicine F, ²Cardiology Department, Soroka University Medical Center, Beer-Sheva, Israel
Mechanisms of Effort Intolerance in Patients with Rheumatic Mitral Stenosis: Combined Echo and Cardio-Pulmonary Stress Protocol
Yan Topilsky, Michal Laufer-Perl, Simon Biner, Gad Keren
Cardiology, Tel Aviv Medical center, Tel Aviv, Israel

09:30

Impact of Tricuspid Regurgitation and Right Ventricular Dysfunction on Outcome of Patients Undergoing Trans-catheter Aortic Valve Replacement
Zach Rozenbaum, Ariel Finkelstein, Gad Keren, Simon Biner, Yan Topilsky
Cardiology, Tel Aviv Medical center, Tel Aviv, Israel

09:42

Organic vs. Functional Mitral Regurgitation in Patients Undergoing Transcatheter Aortic Valve Implantation for Severe Aortic Stenosis
Elisha Ouzan1, Bryan Kindya2, Israel Gotsman1, Vasilis Babalarios2, Ehan Gonen1, Stamatios Lerakis2, Eran Karayel1, Vinod Thurani2, Haim Danenberg1, Chaim Lotan1, Ronen Beer1, Dan Gilon1, Ketron Movromatic2
1Heart Institute, Hadassah Hebrew University Medical Center, Jerusalem, Israel, 2Heart Institute, Emory University Medical Center, Atlanta, Georgia, USA

08:30-10:00 Ablation of Cardiac Arrhythmias, Hall C
Chairs: Roy Beinart, David Luria, Israel

08:30

Treatment and Outcomes in Elderly and Very Elderly Patients Aged 75-85 and ≥ 85 Years with Atrial Fibrillation. A Prospective National Study
Yoav Arnson1,2,3, Orna Reges2, Moshe Hoshen2, Yardena Rabi2, Ran Balicer2, Morton Leibowitz2, Moti Haim2,4,5
1Cardiology Department, Meir Medical Center, 2Research Institute, Clalit Health Services, 3Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, 4Cardiology Department, Soroka Medical Center, Beer Sheva, 5Faculty of Health Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel

08:42

Gender Differences in Success Rates of Catheter Ablation of Atrial Fibrillation
Avi Sabbag1, Younis Orwa1, Yasmin Farhadian1, David Luria2, Osnat Gurevitz1, Eyal Nof1, Michael Glikson1, Roy Beinart1
1Leviev Heart Institute, The Chaim Sheba Medical Center, Tel-Hashomer, Ramat- Gan, 2Cardiology, Hadassah Medical Center, Jerusalem, Israel

08:54

Poor Heart Rate Reserve Predicts New Onset Atrial Fibrillation in Middle Aged Adults
Avi Sabbag1, Yehezkel Sidi2, Shaye Kivity2, Roy Binart1, Shlomo Segev3, Michael Glikson1, Ilan Goldenberg1, Elad Maor1
1Leviev Heart Institute, The Chaim Sheba Medical Center, Tel-Hashomer, 2Department of Internal Medicine C, The Chaim Sheba Medical Center, Tel-Hashomer, Israel, 3Institute for Medical Screening, The Chaim Sheba Medical Center, Tel-Hashomer Ramat Gan, Israel

09:06

A New CARTO® Segmentation Module Software to Facilitate Ablation of Arrhythmias
Ablation-Induced Change in the Course of Fascicular Tachycardia
Avishag Laish-Farkash¹, Avi Sabbag², Yoav Michowitz³, Vladimir Khalameizer¹, Aharon Glick³, Amos Katz¹, Michael Glikson²
¹Electrophysiology Unit, Cardiology Department, Barzilai Medical Center and the Faculty of Health Sciences, Ben-Gurion University of the Negev, Ashkelon, ²Davidai Arrhythmia Center, Leviev Heart Center, Sheba Medical Center, Tel Hashomer, ³The Department of Cardiology, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

Electrocardiographic Comparison of Ventricular Premature Complexes in Patients with Inherited Dilated Cardiomyopathy and in Patients with Ventricular Premature Complex induced Cardiomyopathy
Miry Blich, Wisam Darawsha, Ibrahim Marai, Mahmoud Suleiman, Lior Gepstein, Monther Boulous
Division of Pacing and Electrophysiology, Rambam Health Care Campus and Bruce Rappaport Faculty of Medicine, Haifa, Israel

Long Term Flecainide Therapy in Type-3 Long QT Syndrome
Ehud Chorin¹, Rivki Taub², Aron Medina², Nir Flint¹, Sami Viskin¹, Jesaia Benhorin¹
¹Cardiology, Tel Aviv Sourasky Medical Center, Tel Aviv, ²Cardiology, Shaare Zedek Medical Center, Jerusalem, Israel

08:30-10:00 Joint Session of the Israeli Heart Society and Society of Cardiovascular Computed Tomography (SCCT), Hall H
Chairs: Jonathon A. Leipsic, Canada, Orly Goitein, Israel

MDCT to Reduce TAVR and Valve in Valve Complications
Jonathon A. Leipsic
President, Society of Cardiovascular CT
Chairman, Department of Radiology, Providence Health Care, Vancouver, Canada

Automatic Estimation of Optimal Deployment Angles and Dimensions for Transcatheter Aortic Valve Implantation: Comparison between Edwards Sapien XT and Corevalve Prostheses
Arthur Kerner¹, Sobhi Abadi², Roy Dotan³, Marcia Javitt², Jonathan Lessick¹
¹Cardiology, ²Radiology, Rambam Medical Centre, ³CT Division, Philips Healthcare, Haifa, Israel

Geometry of the Aorto-Ventricular Annulus as a Predictor of Pacemaker Implantation Following Transcatheter Aortic Valve Replacement – A Proof-of-Concept Study
Automated 4-dimensional Regional Myocardial Strain Evaluation using Cardiac Computed Tomography

Zvi Peled\textsuperscript{1}, Yehiel Lamash\textsuperscript{3}, Keren Biton-Worms\textsuperscript{1}, Gil Bolotin\textsuperscript{1}, Anath Fischer\textsuperscript{3}, Jonathan Lessick\textsuperscript{2}

\textsuperscript{1}Cardiothoracic Surgery, \textsuperscript{2}Cardiology, Rambam Medical Centre, \textsuperscript{3}Mechanical Engineering, Technion, Israel Institute of Technology, Haifa, Israel

Predicting the Size of Left Atrial Appendage Occluder Using a Printed MDCT 3D Model – A Feasibility Study

Orly Goitein\textsuperscript{1}, Noam Fink\textsuperscript{2}, Victor Guetta\textsuperscript{2}, Roy Beinart\textsuperscript{2}, David Luria\textsuperscript{3}, Eli Konen\textsuperscript{1}, Elio Di Segni\textsuperscript{1}, Michael Glikson\textsuperscript{2}

\textsuperscript{1}Diagnostic Imaging, Sheba Medical Center, \textsuperscript{2}Heart Institute, Sheba Medical Center, Ramat- Gan, \textsuperscript{3}Department of Cardiology, Hadassah Medical Center, Jerusalem, Israel

High Incidence of Renal Artery Stenosis in Post TAVI Acute Kidney Injury

Orly Goitein\textsuperscript{1}, Orna Komisar\textsuperscript{1}, Israel Barbash\textsuperscript{2}, Victor Guetta\textsuperscript{2}, Amit Segev\textsuperscript{2}, Paul Fefer\textsuperscript{2}, Elad Asher\textsuperscript{2}, Sagit Ben Zikri\textsuperscript{2}, Anat Berkovitz\textsuperscript{2}, Ashraf Hamdan\textsuperscript{3}, Elio Di Segni\textsuperscript{1}, Boris Orlov\textsuperscript{2}, Eli Konen\textsuperscript{1}, Yafim Brodov\textsuperscript{1,2}

\textsuperscript{1}Diagnostic Imaging, \textsuperscript{2}Heart Institute, Sheba Medical Center, Ramat Gan, \textsuperscript{3}Department of Cardiology, Rabin Medical Center, Petach- Tikva, Israel

Hypothesis: Low Level Laser Prevents Abdominal Aortic Aneurysm in Angiotensin-II-Induced Apolipoprotein E-Deficient Mice by Inhibiting Decay of Smooth Muscle Cell Mitochondrial Membrane Potential

Lilach Gavish\textsuperscript{1}, Ronen Beeri\textsuperscript{2}, Dan Gilon\textsuperscript{2}, Chen Rubinstein\textsuperscript{3}, Yacov Berlatzky\textsuperscript{3}, S. David Gertz\textsuperscript{1}

\textsuperscript{1}Institute for Medical Research (IMRIC), The Hebrew University--Hadassah Medical School, Jerusalem, Israel, \textsuperscript{2}Department of Cardiology, The Hebrew University--Hadassah Medical School and Hadassah University Hospital, Jerusalem, Israel, \textsuperscript{3}Department of Vascular Surgery, The Hebrew University--Hadassah Medical School and Hadassah University Hospital, Jerusalem, Israel
Characterization of Surface Markers of Reticulated Young Platelets Compared with Mature Platelets

Adi Lador1, Dorit Leshem-Lev2, Galia Spectre4, Aryeh Abelow3, Ran Kornowski1, Eli Lev1
1Cardiology Department, Rabin Medical Center, Beilinson Campus, Petah-Tikva, Israel
2The Felsenstein Medical Research Center, Rabin medical center, Beilinson Campus, 3Internal Medicine A, Rabin Medical Center, 4Department of Hematology, Rabin Medical Center, Beilinson Campus, Petah-Tikva, Israel

09:06

Heart Rhythm Analysis by Sparse Representation for Immediate Acute Stressful Event Detection

Shai Tejman Yarden1,2, Leng Ky3, Ofer Levi4, Yisrael Parmet4, Michael Saunders5, Imanuel Lerman6, Haim Berkenstadt1, Yonina Eldar8, Pavel Lifshits8, James C Perry7, Dewleen G Baker6, Tobias Moeller-Bertram3,6
1Pediatric Cardiology, Sheba Medical Center, Ramat Gan, Israel, 2Pediatric Cardiology, 3Anesthesiology, UCSD, CA, USA, 4Department of Industrial Engineering and Management, Ben Gurion University, Israel, 5Department of Industrial Engineering and Management, Stanford University, 6Center of Excellence for Stress and Mental Health, Veterans Affairs, 7Anesthesiology, Sheba Medical Center, CA, USA, 8The department of Electrical engineering, The Technion, Israel Institute of Technology, Haifa, Israel

09:18

First Description of Complete Deletion of the Lipoprotein Lipase Gene

Sara Hoss1, Shoshi Shpitzen1, Eran Leitersdorf1, Daniel Schurr1, Eti Granot2, Chaim Lotan1, Ronen Durst1
1Department of Cardiology, Hadassah Medical Center, Jerusalem, 2Department of Pediatrics, Kaplan Medical Center, Rehovot, Israel

09:30

Is Pulmonary Microvascular Recruitment Possible during Supine Bicycle Exercise?

David Langleben1, Stylianos Orfanos2, Michele Giovinazzo1, Robert Schlesinger1, Fay Blenkhorn1, John Catravas3
1Center for Pulmonary Vascular Disease, Div. of Cardiology, Jewish General Hospital, McGill University, Montreal, Quebec, Canada, 2Pulmonary Hypertension Clinic, Dept. of Critical Care, Attikon Hospital, University of Athens, Athens, Greece, 3Frank Reidy Research Center for Bioelectrics, Old Dominion University, Norfolk, VA, USA

08:30-10:00 Joint Session: The Israel Society of Cardiothoracic Surgery and Society of Cardiothoracic Surgeons of South Africa, Hall J

Chairs: Gil Bolotin, Oz Shapira, Israel; Robert Kleinloog, South Africa

08:30

Cardiac Surgery in SA – Past, Present and Future

Robert Kleinloog
South Africa

08:42

Concomitant Left Internal Thoracic Artery Revascularization of the Left Anterior Descending (LAD) and Diagonal Artery: Inverted J-technique (LAD-first) or Standard Sequential Grafting
08:54

A Single Institution’s Experience with Complex Thoracic Aortic Surgery in Resource Restricted Environment
E. Zigiriadis, G. Faqaawi, K. Van der Donck
Division of Cardiothoracic Surgery, University of the Witwatersrand, South Africa

09:06

Dealing with Heavy Atherosclerotic Burden in the Left Anterior Descending Artery with Coronary Endarterectomy or Onlay Patch Angioplasty
Ohad Bitan¹, Eyal Leshem¹, Paul Pirundini², Carrie Consalvi², Kevin Lilly², Quincy King², Dan Loberman²
¹Department of Medicine C, Sheba Medical Center at Tel Hashomer, Israel and the Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel, ²Division of Cardiac Surgery, Brigham and Women's Hospital and Harvard Medical School, Boston, Massachusetts, USA

09:18

Isolated Aortic Valve Replacement in a Rheumatic Population
Jacques Scherman, Rodgers Manganyi, Paul Human, Peter Zilla
Chris Barnard Division of Cardiothoracic Surgery, University of Cape Town, South Africa

09:30

Short and Longterm Results After Prosthetic Mitral Valve Implantation in Patients with Severe Mitral Annulus Calcification
Ronny Ben-Avi, Boris Orlov, Leonid Sternik, Alexander Kogan, Micha Feinberg, Amjad Shalabi, Alexander Lipey, Ehud Raanani
Cardiothoracic Surgery, Sheba Medical Center, Tel Hashomer, affiliated with the Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel

09:42

Total Aortic Arch Endograft – FIM Study
David Planer
Heart Institute, Hadassah Medical Center, Jerusalem, N/A, Israel

08:30-10:00 Assessment and Outcomes of Myocardial Diseases, Hall 3
Chairs: Shemy Carasso, Sorel Goland, Israel

08:30

Abnormal Multilayer Myocardial Mechanics in Genotype-Positive Left Ventricular Hypertrophy-Negative Patients with Hypertrophic Cardiomyopathy
Lynne K Williams¹,², James Misurka¹, Carolyn Y Ho³, Wan-Xian Chan¹, Anna Woo¹, Yoram Agmon⁴, Christine Seidman³, Harry Rakowski¹, Shemy Carasso¹
¹HCM Clinic, Division of Cardiology, Toronto General Hospital, University Health Network, Toronto, Ontario (ON), Canada, ²Department of Cardiology, Papworth Hospital NHS Foundation Trust, Cambridge, UK, ³Cardiovascular Division, Brigham and Women’s Hospital, Harvard Medical School, Boston, Massachusetts, USA, ⁴Cardiology, Rambam Health Care Campus, Technion - Israel Institute of Technology, Haifa, Israel

08:42
Assessment of Diastolic Function in Hypertrophic Cardiomyopathy by Computed Tomography Derived Analysis of Left Ventricular Filling

Itai Ghersin¹, Eduard Ghersin⁴, Sobhi Abadi³, Doron Aronson², Jonathan Lessick²

¹Medical Corps, Israel Defence Force, ²Cardiology, ³Radiology, Rambam Medical Centre, Haifa, Israel, ⁴Radiology, Leonard M. Miller School of Medicine, University of Miami, Miami, Florida, USA
08:54

Serum Levels of IgG4 in Patients Elevated in Acute Idiopathic Myocarditis

Igor Volodarsky1, Irena Fugenfirov1, Eran Neumark2, Liaz Zilberman1, Jacob George1, Sorel Goland1
1The Heart Institute, Kaplan Medical Center, Rehovot, 2Department of Internal Medicine E, Meir Hospital, Kfar Saba, Israel

09:06

Management and Outcome of Pregnancy in Non-peripartum Dilated Cardiomyopathy: Results from the Registry on Pregnancy and Cardiac Disease (ROPAC)

Avraham Shotan1, Uri Elkayam2, Iris van Hagen3, Alicia Vazan1, Simcha R Meisel1, David S Blondheim1, Michael Shuchat1, Aharon Frimerman1, Lubov Vasilенко1, Sorel Goland4, Alex Blatt5, Jolien W Roos-Hesselink5
1Heart Institute, Hillel Yaffe Medical Center, Hadera, Israel, 2Department of Medicine, Division of Cardiology, USC-LAC Medical Center, Los Angeles, CA, USA, 3Cardiology, Erasmus University Medical Center, Rotterdam, Netherlands, 4Cardiology, Kaplan Medical Center, Rehovot, 5Cardiology, Assaf Harofeh Medical Center, Zerifin, Israel

09:18

Preliminary Results of a Cardio-Oncology Clinic - the Rabin Medical Center Experience

Zaza Iakobishvili1,4, Moti Vaturi1,4, Hadas Ofek-Epstein1, Alexander Sagie1,4, Baruch Brenner2,4, Rinat Yerushalmi2,4, Pia Raanani3,4, Ran Kornowski1,4
1Cardiology, 2Institute of Oncology, Davidoff Cancer Center, Center, 3Institute of Hematology, Davidoff Cancer Center, Rabin Medical Center, Petah Tikva, 4Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel

09:30

Usefulness of Right Ventricular Ejection Fraction by First Pass Radionuclide Angiography and Gated SPECT Myocardial Perfusion Imaging in Patients with Heart Failure: One Center Experience

Nili Zafrir, Tamir Bental, Israel Mats, Yosef Hassid, Ariel Gutstein, Tuvia Ben-Gal, Doron Belzer, Daniel Morninkas, Ran Kornowski, Alejandro Solodky
Cardiology, Rabin Medical Center, Beilinson Hospital, Petah Tikva, Israel

09:42

Echocardiographic Ventricular Septal Motion Abnormalities and no Left Atrial Enlargement are Associated with Pre-capillary Pulmonary Hypertension in Patients with Preserved Left Ventricular Function

Gingy Ronen Balmor2, Michael Segel2, Paul Fefer1, Elad Maor1, Jonathan Buber1, Sagit Ben Zekry1, Elio DiSegni1, Issahar Ben-Dov1, Amit Segev1
1The Heart Center, 2The Pulmonary Institute, Chaim Sheba Medical Center, Tel Hashomer, Israel

08:30-10:00 Cardiovascular Pharmacology, Hall 4
Chairs: Michael Shechter, Ronen Durst, Israel

08:30

Monitoring Platelet Reactivity in Patients Treated with Prasugrel or Ticagrelor Prior to an Urgent Coronary Artery Bypass Surgery in Order to Shorten Operation Delay
08:42

Cardiovascular Disorders Associated with Naloxone Monotherapy and in Combination with Opioids: Safety Data from International Surveillance

Mori Krantz1,2, Amneet Sandhu2, David Kao2, Mark Haigney3, Philip Mehler2
1Medicine, 2Medicine, University of Colorado, Denver, Colorado, 3Medicine, Uniformed Services University, Bethesda, Maryland, USA

08:54

The Role of Spironolactone in the Treatment of Patients with Resistant Hypertension

Elisha Ouzan
Heart Institute, Hadassah Hebrew University Medical Center, Jerusalem, Israel

09:06

Trends in the Use of Anticoagulation as the Results of the Introduction of the Novel Anticoagulants

Marc Klutstein, Moshe Rav-Acha, Michael Ilan, Aharon Medina, Benjamin Mazouz, Mady Moriel, David Rosenmann, Adi Butnaru, Elias Maazawi, Rivka Farkash, Giora Weisz
Cardiology, Shaare Zedek Medical Center, Jerusalem, Israel

09:18

Major Bleeding and Hemorrhagic Stroke with Direct Oral Anticoagulants in Patients with Renal Failure Systematic Review and Meta-analysis of Randomized Trials

Bruria Raccah1,2, Amichai Perlman1,3, Haim Danenberg2, Arthur Pollak2, Mordechai Muszkat4, Ilan Matok1
1Division of Clinical Pharmacy, School of Pharmacy, Faculty of Medicine, Hebrew University of Jerusalem, 2Department of cardiology, Hadassah University Hospital, 3Department of Medicine, Hadassah University Hospital, 4Department of Medicine, Division of Clinical Pharmacology, Hadassah University Hospital, Jerusalem, Israel

09:30

Anticoagulation Therapy in Patients with Atrial Fibrillation in Ambulatory Consultant Cardiology Clinics after Availability of New Oral Anticoagulants

Dante Antonelli, Yuri Rivkin, Nahum Adam Freedberg, Ofir Koren, Yoav Turgeman
Cardiology, Ha Emek Medical Center, Afu la, Israel

09:42

Statin Therapy: Diabetes Risk and Cardiovascular Benefit per Euro-SCORE risk

Avi Porath1, Jonathan Eli Arbelle2, Naama Fund3, Assaf Cohen3, Morris Mosseri4
1Office of Chief Physician, Health Service Research department, Tel Aviv, 2Southern Region, Maccabi Health Services, Beer Sheva, 3Health Service Research department, Maccabi Health Services, Tel Aviv, 4Cardiology Division, Meir Medical Center, Kfar-Saba, Israel

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

10:30-12:30 Plenary III – 2nd Ceremony

Chairs: Michael Glikson, Ronen Rubinshtein, Israel Heart Society
Gil Bolotin, Erez Kachel, Israel Society of Cardio Thoracic Surgery, Hall ABC
10:30

Scholarship & Awards of the Israel Heart Society
Scholarship & Awards of the Israel Society of Cardio Thoracic Surgery

11:10 -12:30

Joint Session: American College of Cardiology (ACC) – Israel Heart Society (IHS)
Chairs: Richard Chazal, American College of Cardiology (ACC)
Yoseph Rozenman, IHS Past Immediate President & Governor of the Israeli ACC Chapter

11:10

The Use of Chest Pain Centers to Improve Patient Care, As well as Guidelines Adherence and System Efficiency
Richard Chazal
President, American College of Cardiology
Medical Director, Heart and Vascular Institute, Lee Memorial Health System, USA

11:30

Stem Cell Research in Cardiology
Lior Gepstein
Israel

11:50

Challenges Facing a Female Cardiologist
Cindy L. Grines
Vice President Academic and Clinical Affairs
DMC Heart Hospital, Detroit, MI, USA

12:10

Heart Failure: Current Therapies and New Horizons
Mary N. Walsh
President Elect, American College of Cardiology
Medical Director, Heart Failure and Cardiac Transplantation
St Vincent Heart Center of Indiana, USA

12:30-14:30 Lunch & Lunch Sessions, Exhibition & E-Posters Visit

12:30-14:30 Lunch Session - Sponsored By Pfizer, Hall H

From Rcts and Rwd to Your Own Practical Choices
Chairperson: Michael Glikson, President Israel Heart Society, Eli Lev, Israel

13:00-13:12 - NOACs Efficacy in Unique Population
Shlomi Matetzky
Israel

13:12-13:24 - HOT Bleeding Issues
Raphael Rosso
Israel

13:24-13:36- Stretching the Limits of NOACs Management
Eli Lev
13:36-14:00 - Imagination, Creativity and Adaptive Decisions as Principle-Mechanisms of the Human Brain
Eilon Vaadia,
The Edmond and Lily Safra Center for Brain Sciences (Director)
The Jack H. Skirball Chair & Fund in Brain Research
Department of Medical Neurobiology, IMRIC, Faculty of Medicine
The Hebrew University of Jerusalem, Israel

- Please note: the lunch session will be held in Hebrew

12:30-14:30 Lunch Session - Sponsored By Novartis, Hall I

Entresto – Redefine Heart Failure Treatment

Chairman: Prof. Offer Amir,
Director of the cardio-vascular department, Poriya Medical Center, Israel

12:30-12:50 Lunch
12:50-13:05 Entresto- Difficult Questions, Easy Answers
13:05-14:20 Case Studies and Interactive Panel Discussion

- Please note: the lunch session will be held in Hebrew

12:30-14:30 Lunch Session - Sponsored By Bayer, Hall J

Xarelto - Confidence from Evidence and Real World Experience Adempas - From PE to CTEPH

13:00 – 13:30: Xarelto – Real World Data
Fausto J. Pinto,
President,
European Society of Cardiology,
Lisbon University Medical School, Lisbon, Portugal

13:30 – 14:00: Adempas for Chronic Thromboembolic Pulmonary Hypertension
David Langleben,
Director, Center for Pulmonary Vascular Disease,
Division of Cardiology, Jewish General Hospital,
Professor of Medicine, McGill University, Montreal, Canada

14:30-16:00 Plenary IV – Joint Session: American Heart Association (AHA) – Israel Heart Society (IHS)
Chairs: Mark Creager, USA, Ronen Rubinshtein, Israel, Gil Bolotin, Israel, Hall ABC
14:30
The Crisis of Diabetes and Cardiovascular Disease: Strategies to Improve Cardiovascular Outcomes
Mark A. Creager
President, American Heart Association
Director of Vascular Medicine, Brigham and Women’s Hospital, Boston, MA, USA

14:50

Israeli Innovations in Cardiovascular Medicine: The "Start Up" Nation Ecosystem
Ran Kornowski
Israel

15:10

Assessing the Mitral Valve: Value of 3D Imaging
Roberto M. Lang
Past President of the American Society of Echocardiography
Director Noninvasive Cardiac Imaging Laboratories Section of Cardiology Department of Medicine University of Chicago Medical Center, Chicago, IL, USA

15:30

Percutaneous Versus Conventional Aortic and Mitral Valve Interventions: State of the Art, Future Directions and the Role of the Surgeon
Michael Reardon
Allison Family Distinguished Chair of Cardiovascular Research
Houston Methodist DeBakey Heart & Vascular Center, Houston, TX, USA

16:00-16:30 Coffee Break, Exhibition & E-posters Visit

16:30-18:00 Joint Session: The Israel Interventional Cardiology Working Group and the Israel Society of Cardiothoracic Surgery, Hall A
Chairs: Gideon Sahar, Abid Assali, Israel

16:30

Heart Team at Soroka University Medical Center: From Concept to Practice
Yaron Ishay¹, Lior Raichel¹, Oren Lev-Ran¹, Menachem Matsa¹, Avshalom Cohen², Carlos Cafri², Doron Zagher², Gideon Sahar¹
¹The Department of Cardiothoracic Surgery, ²The Department of Cardiology, Soroka University Medical Center, Beer-Sheva, Israel

16:42

Surgical Results of the First Pre-designed "Heart Team" in Israel: One-Year Follow-up
Offer Amir¹, Erez Kachel¹, Abbed-al-Wahab Darawshe¹, Marwan Armaly¹, Roman Altshuler¹, Eyal Nachum³, Amgad Shalabi¹, Leonid Sternik², Alexander Lipey³, Diab Sammer¹, Alexander Kogan⁴, Diab Ghanim¹, Fabio Kuzniec¹, Shemy Carasso¹, David Meerkin¹, Ehud Raanani²
¹Cardio-Vascular Division, Poriya Medical Center & Faculty of Medicine, Bar-Ilan University, Tiberias, ²Cardiothoracic Surgery Department, Chaim Sheba Medical Center, Tel Hashomer & Faculty of Medicine, Tel-Aviv University, Tel-Aviv, Israel

16:54

Are Two Internal Thoracic Grafts Better Than One? Analysis of 4247 Cases between 1996-2010
17:06

**Long Term Percutaneous Coronary Interventions Outcomes in Cancer Survivors**

Uri Landes, Tamir Bental, Abid Assali, Hana Vaknin-Assa, Eli Lev, Ran Kornowski, Zaza Iakobishvili
Cardiology, Rabin Medical Center, Petah-tikva, Israel

17:18

**Long term Outcome of Revascularization with Composite T Grafts: is Bilateral Mammary Grafting Better than Single Mammary and Radial Artery?**

Nadav Teich, Pevni Dmitry, Yanai Ben-Gal, Rephael Mohr, Yosef Paz, Amir Kramer, Nahum Nesher, Benjamin Medalion
Department of Cardiovascular Surgery, Sourasky Medical Center, Tel Aviv, Department of Cardiovascular Surgery, Belinson, Petach Tikva, Israel

17:30

**Incidence and Outcomes of ST Elevation Myocardial Infarction Caused by Stent Thrombosis in Comparison to De-novo Thrombosis**

Amos Levi, Ran Kornowski, Hana Vaknin-Assa, Gabriel Greenberg, Abid Assali, Eli Lev
Cardiology, Rabin Medical Center, Israel

17:42

**One or Two Internal Thoracic Grafts? Long-term Follow-up of 1043 Off Pump Coronary Bypass Surgeries**

Cardiothoracic Surgery, Tel Aviv Sourasky Medical Center and Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

16:30-18:00 Echocardiography: General, Hall B
Chairs: Noah-Liel Cohen, Zvi Vered, Israel

16:30

**Echocardiography in Patients with Pulmonary Embolism at Baseline and 1 Year Follow-up: Insights from the Evaluation of Long-term Outcomes after Pulmonary Emboli (ELOPE) Study**

Avi Shimony, Lawrence Rudski, Andrew Hirsch, Margaret Beddaoui, Arash Akaber, David Anderson, Philip S Wells, Marc Rodger, Susan Solymoss, Michael Kovacs, Carole Dennie, Chris Rush, William H Geerts, Paul Hernandez, Shawn Aaron, John T Granton, Susan Kahn
Cardiology, Ben Gurion University, Soroka Medical Center, Israel, Medicine, Jewish General Hospital, Center for Clinical Epidemiology, Lady Davis Institute, Montreal, QC, Medicine, Dalhousie University, Halifax, NS, Medicine, The University of Ottawa, Ottawa, ON, Hematology, The University of Ottawa, Ottawa, ON, Medicine, McGill University, Montreal, QC, Medicine, Hematology, University of Western Ontario, London, ON, Diagnostic Imaging, The University of Ottawa, Ottawa, ON, Nuclear Medicine, Jewish General Hospital, Montreal, QC, Medicine, Sunnybrook Health Sciences Centre, Toronto, ON, Medicine, University of Toronto, Toronto, ON, Center for Clinical Epidemiology, McGill University, Jewish General Hospital, Montreal, QC, Canada
Serial Echocardiographic Assessment of Left Ventricular Filling Pressure and Remodeling among ST Elevation Myocardial Infarction Patients Treated by Primary Percutaneous Intervention
Yacov Shacham, Arie Steinvil, Yaron Arbel, Yan Topilsky, Shafik Khoury, Ben Sade, Gad Keren
Cardiology, Tel Aviv Sourasky Medical Center, Israel

A Wireless Frequency Domain Beamforming Based Ultrasound Imaging
Shai Tejman Yarden¹, Tanya Chernyakova², Regev Cohen², Yonina Eldar²
¹Pediatric Cardiology, Sheba Medical Center, Ramat Gan, ²The department of Electrical Engineering, The Technion, Israel Institute of Technology, Haifa, Israel

Clinical and Echocardiographic Characteristics of Patients in Sinus Rhythm, Normal Left Ventricular Function and Indeterminate Diastolic Function
Matan Shimron¹, Yevgeni Hazanov², Nabeel Salman², Diab Ghanim², Wadia Kinany², Offer Amir¹,², Shemy Carasso¹,²
¹Galilee School of Medicine, Bar-Ilan University, Zefat, ²Cardiovascular institute, B Padeh Medical Center, Poriya, Israel

A Pilot Study of the Feasibility and Efficacy of Teaching Cardiac Ultrasound to Large Groups of Medical Students
Sergio Kobal¹, Yotam Lior³, Alon Ben-Sasson³, Noah Liel-Cohen¹, Lior Fuchs²
¹Cardiology Department, ²Department of Medical Intensive Care, ³Clinical Research Center, Soroka University Medical Center, Beer-Sheva, Israel

Limited Accuracy of Myocardial Deformation Imaging in Diagnosing Left Ventricular Segmental Dysfunction: is it Only a Limitation of the 2D Strain Software?
Amnon Eitan¹, Izhak Kehat¹,², Diab Mutlak¹,², Yoram Agmon¹,²
¹Cardiology, Rambam Medical Center, ²Faculty of Medicine, Technion, Haifa, Israel

Speckle Tracking Imaging Parameters in non-Ischemic Stress Echocardiography
Marina Leitman¹,², Vladimir Tyomkin¹, Eli Peleg¹,², Izhak Zissman, Izhak Zissman¹, Simha Rosenblatt¹, Edgar Sucher¹, Vered Gercenshtein¹, Zvi Vered¹,²
¹Department of Cardiology, Assaf Harofeh Medical Center, ²Sackler School of Medicine, Tel Aviv University, Israel

16:30-18:00 Pearls in Clinical EP, Hall C
Chairs: Avishag Laish-Farkash, Nahum Freedberg, Israel

Study of the Wearable Cardioverter Defibrillator in Advanced Heart-Failure Patients (SWIFT)
Alon Barsheshet¹,², Valentina Kutyifa², Theodora Vamvouris¹, Arthur J Moss², Yitschak Biton², Leway Chen², Eugene Storoynsky², Chingping Wan³, Steve Szymkiewicz³, Ilan Goldenberg²,⁴
¹Cardiology, Rabin Medical Center, Petah Tikva, Israel, ²Cardiology, University of Rochester
Potent Inhibition of hERG Channels in a Mammalian Cell Line by the Anti-Diarrheal Agent Loperamide

Mori Krantz\textsuperscript{1}, Michael Klein\textsuperscript{2}, Philip Mehler\textsuperscript{1}, Naheed Fatima\textsuperscript{2}, Thomas Flagg\textsuperscript{2}, Mark Haigney\textsuperscript{2}

\textsuperscript{1}Medicine, University of Colorado, Denver, CO, USA
\textsuperscript{2}Cardiology, USU, Bethesda, MD, USA

Incidence of Arrhythmia Induced Cardiomyopathy and Predictors for Recovery

Moshe Katz\textsuperscript{1}, Eyal Nof\textsuperscript{1}, Amit Meitus\textsuperscript{2}, Avi Sabagg\textsuperscript{1}, Younis Orwa\textsuperscript{1}, Ilan Goldenberg\textsuperscript{1}, Robert Klempfner\textsuperscript{1}, Micha Feinberg\textsuperscript{1}, Michael Eldar\textsuperscript{1}, Michael Glikson\textsuperscript{1}, Roy Beinart\textsuperscript{1}

\textsuperscript{1}Cardiology, Sheba Medical Center, \textsuperscript{2}Medicine, Tel-Aviv University, Israel

Survival in Patients with Arrhythmia Induced Cardiomyopathy is Similar to Age and Sex-matched Patients with Paroxysmal Atrial Fibrillation

Moshe Katz\textsuperscript{1}, Eyal Nof\textsuperscript{1}, Amit Meitus\textsuperscript{2}, Avi Sabagg\textsuperscript{1}, Younis Orwa\textsuperscript{1}, Ilan Goldenberg\textsuperscript{1}, Robert Klempfner\textsuperscript{1}, Micha Feinberg\textsuperscript{1}, Michael Eldar\textsuperscript{1}, Michael Glikson\textsuperscript{1}, Roy Beinart\textsuperscript{1}

\textsuperscript{1}Cardiology, Sheba Medical Center, \textsuperscript{2}Medicine, Tel-Aviv University, Israel

CHADS\textsubscript{V}ASC Score is Predictive of Mortality in ICD Recipients

Nicholay Teodorovich\textsuperscript{1}, Yonatan Kogan\textsuperscript{1}, Hilel Steiner\textsuperscript{2}, Mahmoud Suleiman\textsuperscript{3}, Ilan Goldenberg\textsuperscript{4}, Moshe Swissa\textsuperscript{1}

\textsuperscript{1}Cardiology, Kaplan Hospital, Rehovot, \textsuperscript{2}Cardiology, Puria Hospital, Tiberias, \textsuperscript{3}Cardiology, Rambam Hospital, Haifa, \textsuperscript{4}Cardiology, Sheba Hospital, Ramat Gan, Israel

Effectiveness and Cost-Efficacy of Syncope Workup in a Dedicated Outpatient Syncope Center

Alexey Naimushin, David Bar-Lev, Igor Lipchenca, Ossi Gurevich, Roy Beinart, Eyal Nof, Michael Eldar, Michael Glikson

Lev Leviev Heart Center, Sheba Medical Center, Israel

Real Life Experience of a Syncope Clinic Based on a Neurological and Cardiological Collaboration Model

Mark Kazatsker\textsuperscript{1}, Sergiu Sabetay\textsuperscript{2}, Maguli Barel\textsuperscript{1}, Avraham Shotan\textsuperscript{1}, Yaron River\textsuperscript{2}

\textsuperscript{1}Department of Cardiology, \textsuperscript{2}Department of Neurology, Hillel Yaffe Medical Center, Hadera, Israel

16:30-18:00 Acute Coronary Syndromes, Hall H

Chairs: Shlomi Matetzky, Doron Aronson, Israel

Adherence with Guidelines for NSTEMI-ACS in the Emergency Department
16:42

ST- Elevation Myocardial Infarction in Patients under 40 Years old-Observational Study of More than a Decade

Amos Levi¹,², Alon Eisen¹,², Guy Topaz¹,², Aviv Shaul¹,², Hana Vaknin-Assa¹,², Tamir Bental¹,², Gabriel Greenberg¹,², Eldad Rechavia¹,², Eli Levi¹,², Ran Kornowski¹,², Abid Assali¹,²
¹Cardiology, Rabin Medical Center, Petach Tikva, ²Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv, Israel

16:54

Temporal Trends and Outcomes Associated with Atrial Fibrillation Observed during Acute Coronary Syndrome: Real World Data from the Acute Coronary Syndrome Israeli Survey (ACSIS) 2000-2013

Aharon Erez¹, Ilan Goldenberg¹, Avi Sabbag¹, Eyal Nor¹, Doron Zahger², Shaul Atar³, Arthur Pollak³, Idit Dobrecky-Mery³, Roy Beigel¹, Shlomi Matetzky¹, Michael Glikson¹, Roy Beinart¹
¹Leviev Heart Center, Sheba Medical Center, Tel HaShomer, Ramat Gan, ²Intensive Cardiac Care Unit, Department of Cardiology, Soroka University Medical Center, Be'er-Sheva, ³Cardiology Department, Galilee Medical Center, Nahariya, ⁴Heart Institute, Hadassah-Hebrew University Medical Center, Jerusalem, ⁵Department of Cardiology, Bnai Zion Medical Center, and the Ruth and Bruce Rappaport Faculty of Medicine, Technion - Israel Institute of Technology, Haifa, Israel

17:06

Cha2ds2-vasc Score and Clinical Outcomes of Patients with Acute Coronary Syndrome

Zach Rozenbaum¹, Avishay Elis²,³, Meital Shlezinger⁴, Ilan Goldenberg³,⁴, Avi Leader⁵, Morris Mosseri³,⁶, David Pereg³,⁶
¹Department of Internal Medicine D, Sourasky Medical Center, Tel Aviv, ²Department of Medicine, Beilinson Hospital, Rabin Medical Center, Petach-Tikva, ³Sackler Faculty of Medicine, Tel-Aviv University, Tel Aviv, ⁴Department of Cardiology, Sheba Medical Center, Tel Hashomer, Tel Hashomer, ⁵Department of Internal Medicine A, Meir Medical Center, ⁶Department of Cardiology, Meir Medical Center, Kfar Saba, Israel

17:18

Prognostic Implications of Fluid Balance in ST Elevation Myocardial Infarction Patients Complicated by Cardiogenic Shock

Yacov Shacham, Ronen Mass, Ben Sade, Shafik Khoury, Gad Keren, Yaron Arbel
Cardiology, Tel Aviv Sourasky Medical Center, Israel

17:30

Association between Admission Hyperglycemia and Left Ventricular Function in ST-Segment Elevation Myocardial Infarction Patients undergoing Primary Coronary Intervention

Nir Flint, Yan Topilsky, Arie Steinvil, Gad Keren, Arie Roth, Yacov Shacham
Department of Cardiology, Tel-Aviv Sourasky Medical Center affiliated to the Sackler Faculty of Medicine, Tel-Aviv University, Tel Aviv, Israel

17:42

Clinical Value of Serum Procalcitonin in Diagnosis of Infection in Patients with Acute Myocardial Infarction
16:30-18:00 New Discoveries in Basic Researches II, Hall I
Chairs: Moshe Flugelman, Michael Arad, Israel

16:30

Colony Forming Units - Endothelial Progenitor Cells (CFU-EPCs) – A Surrogate Marker for Diabetic Retinopathy and High Cardiovascular Mortality Rate

Arnon Blum, Dorina Socea, Nina Pastukh, Avi Peretz, Hanin Jabaly
Medicine, Baruch Padeh Poria Medical Center Faculty of Medicine Bar Ilan University, Tiberias, Israel

16:42

Cytoplasmic Histone Dacetylase 4 Promotes Vascular Calcification

Alon Abend, Omer Shkedi, Michal Fertouk, Lilac Caspi, Izhak Kehat
1The Rappaport Institute and the Bruce Rappaport Faculty of Medicine, Technion - Israel Institute of Technology, 2Department of Cardiac Surgery, Rambam Medical Center, 3Department of Cardiology and the Clinical Research, Rambam Medical Center, Haifa, Israel

16:54

Sustained Elevation of Vascular Endothelial Growth Factor Levels Following Transcatheter Aortic Valve Replacement

Jeremy Ben-Shoshan, Arie Steinvil, Yaron Arbel, Yan Topilsky, Leehee Barak, Michal Entin-Meer, Ran Levy, Arie Schwartz, Gad Keren, Ariel Finkelstein, Shmuel Banai
1Cardiology, Tel Aviv Sourasky Medical Center, Tel-Aviv, 2Sackler School of Medicine, Tel-Aviv University, Israel

17:06

The Association between Peripheral Blood Levels of B-regulatory Lymphocytes and Clinically Unstable Coronary Artery Disease

Igor Volodarsky, Sara Shimoni, Daniel Hoberman, Yakov Fabrikant, Adi Zalik, Jacob George
The Heart Institute, Kaplan Medical Center, Rehovot, Israel

17:18

Cross-bridge Dynamics is Determined by Two Velocity Dependent Kinetics; Implications on the Adaptive and Synchronous Cardiac Function

Daria Amiad Pavlov, Michal Horowitz, Amir Landesberg
1Faculty of Biomedical Engineering, Technion IIT, Haifa, 2Faculty of Medicine, Hebrew University, Jerusalem, Israel

17:30

The Effect of Vitamin D on Endothelial Progenitor Cells Function in Healthy Subjects and Patients with Diabetes Mellitus
17:42

The Ubiquitin Proteasome System as a Potential Target for Reverse Cardiac Remodeling in LVAD Patients

Yaron D. Barac\textsuperscript{1}, F. Emrich\textsuperscript{2}, E. Krutzwald\textsuperscript{1}, S. Steinbach\textsuperscript{2}, K. Kellermann\textsuperscript{2}, M.-T. Dieterlen\textsuperscript{2}, J. Garbade\textsuperscript{2}, S. Lehmann\textsuperscript{2}, V. Rubchevsky\textsuperscript{1}, A. Ciechanover\textsuperscript{1}, F.-W. Mohr\textsuperscript{2}, D. Aravot\textsuperscript{1}
\textsuperscript{1}Cardiothoracic Department, Rabin Medical Center, Petach-Tikva, Israel, \textsuperscript{2}Department of Cardiac Surgery, Heart Center Leipzig University, Leipzig, Germany

16:30-18:00 Women in Cardiology, Hall 3
Chairs: Avital Porter, Israel, Mary N. Walsh, USA

16:30

Women in Cardiology in the 21\textsuperscript{st} Century
Cindy L. Grines
Vice President Academic and Clinical Affairs
DMC Heart Hospital, Detroit, MI, USA

16:45

Women's Career in Cardiovascular Research
Eloisa Arbustini
Director, Center for Inherited Cardiovascular Diseases
Foundation I.R.C.C.S. Policlinico San Matteo, Pavia, Italy

17:00

Among Heart Failure Patients Women Fare Better than Men
Avishay Grupper\textsuperscript{1}, Ofran Kalter-Leibovic\textsuperscript{2}, Havi Murad\textsuperscript{2}, Michal Benderl\textsuperscript{2}, Laurence Freedman\textsuperscript{2}, Arnona Ziv\textsuperscript{3}, Nurit Friedman\textsuperscript{3}, Galit Kaufman\textsuperscript{3}, Haim Silver\textsuperscript{3}, Dov Freimark\textsuperscript{1}
\textsuperscript{1}Leviev Heart Center, Sheba Medical Center, Tel Hashomer, \textsuperscript{2}Epidemiology & Health Policy Research, The Gertner Institute, Ramat Gan, \textsuperscript{3}Maccabi Health Services, Maccabi Health Services, Tel Aviv, Israel

17:12

Cardiogenic Shock Complicating Acute Myocardial Infarction: are there any Gender Differences?
Gabriel Greenberg, Ran Kornowski, Hanna Vaknin-Assa, Tamir Bental, Eli I. Lev, Abid Assali
Institute of Cardiology, Rabin Medical Center, Petach-Tikva, Israel

17:24

Spontaneous Coronary Artery Dissection in Young Women Presenting with Acute Coronary Syndrome: Insights from the GENESIS-PRAXY Study
Avi Shimon\textsuperscript{1,2}, Hatim Al Lawati\textsuperscript{3}, Akshay Bagai\textsuperscript{3}, Hassan Behloul\textsuperscript{3}, Mark Eisenberg\textsuperscript{5}, Derek So\textsuperscript{4}, Igor Karp\textsuperscript{5}, Louise Pilote\textsuperscript{5}, Asim N. Cheema, GENESIS PRAXY TEAM
\textsuperscript{1}Cardiology, Jewish General Hospital, Montreal, QC, Canada, \textsuperscript{2}Cardiology, Ben Gurion University, Soroka Medical Center, Beer-Sheva, Israel, \textsuperscript{3}Cardiology, St. Michael's Hospital, Toronto, ON, \textsuperscript{4}Ottawa Heart Institute, Ottawa Heart Institute, Ottawa, ON, \textsuperscript{5}Clinical Epidemiology, McGill University Health Center, Montreal, QC, Canada
Endothelial Function Tests Among Women Referred for the Heart Clinic: A Glance to Women’s Specific Risk Factors

Avital Porter, Zaza Iakobishvili, Ilana Gezel, Ran Kornowski
The Women’s Heart Clinic and The Department of Cardiology, Rabin Medical Center, Petah Tiqva, Israel

16:30-18:00 Epidemiology and Prevention II, Hall 4
Chairs: Chaim Yosefy, David Rott, Israel

Anthropometric Assessment of Neck Adipose Tissue Volume and its Association with Cardiovascular Risk
Ilya Litovchik¹, Hillel S Maresky², Sigal Tal², Noam Grysman³, Victoria Rum¹, Zvi Vered¹,³, Sa’ar Minha¹,³
¹Department of Cardiology, ²Department of Radiology, Assaf-Harofeh Medical Center, Zerifin, ³Sackler School of Medicine, Tel Aviv University, Ramat-Aviv, Israel

CHADS-VASC Score and the Risk of New Onset Atrial Fibrillation among Middle Age Adults
Anat Berkovitch¹,², Avi Sabbag², Shlomo Segev³, Shaye Kivity⁴, Yechezkel Sidi⁴, Ilan Goldenberg², Elad Maor²,⁵
¹Department of Internal Medicine D, ²Leviev Heart Center, ³Institute for Medical Screening, ⁴Department of Internal Medicine C, ⁵Pinchas Borenstein Talpiot Medical Leadership Program, the Chaim Sheba Medical Center, Tel Hashomer, Israel

Impact of the Presence and Treatment Status of Diabetes on Long-term Mortality Following Coronary Angiography
Barak Zafrir, Ronen Jaffe, Johnny Shahla, Jacob Goldstein, Nader Khader, Nissan Yaniv, Basheer Karkabi, Ronen Rubinshtein, Amnon Merdler, Moshe Y Flugelman, David A Halon
Cardiovascular Division, Lady Davis Carmel Medical Center, Haifa, Israel

The Predictive Value of Zerum Lipids and Glucose in New Onset Hypertension in Middle Aged Healthy Adults
Maias Abd Alraheem, Yehezkel Sidi, Elad Maor, Shlomo Segev
Internal Medicine C, Haim Sheba Medical Center, Ramat- Gan, Israel

Long-term Exposure to Traffic-related Air Pollution and Cancer Risk among Survivors of Myocardial Infarction: a 20-year Follow-up Study
Gali Cohen¹, Ilan Levy², David M. Broday², Jeremy D. Kark³, Noam Levin⁴, Yuval⁵,², David M. Steinberg⁵, Yariv Gerber¹
¹Dept. of Epidemiology and Preventive Medicine, School of Public Health, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, ²Technion Center of Excellence in Exposure Science and Environmental Health, Technion Israel Institute of Technology, Haifa, ³Epidemiology Unit, Braun School of Public Health and Community Medicine, Hebrew University and Hadassah Medical Organization, Jerusalem, ⁴Dept. of Geography, Hebrew University of Jerusalem, Jerusalem, Israel ⁵Dept. of Statistics and Operations Research, School of Mathematical Sciences, Raymond and Beverly Sackler Faculty of Exact Sciences, Tel Aviv University, Tel Aviv, Israel
Arab and non-Arab Coronary Artery Disease Patients: Comparing Risk Factors; the Smoking Mirrors of Ethnicity

Fabio Kusniec¹, Offer Amir¹,², Diab Ghanim¹,², Abbed-al-Wahab Darawshe¹, Dahud Qarawani¹,², David Meerkin¹, Nabeeh Salman¹, Khaled Taha¹, Shemy Carasso¹,²
¹Cardiovascular institute, B Padeh Medical Center, Poriya, ²Galilee School of Medicine, Bar-Ilan University, Zefat, Israel

The Influence of a Normal Myocardial Perfusion SPECT on Prescription of Preventive Cardiovascular Medications and Patients’ Adherence

Aryeh Shalev¹,², Noga Michnovsky², Arik Wolak³, Victor Novack⁴, Ronen Toledano⁴, Yaakov Henkin¹,²
¹Cardiology Department, Soroka University Medical Center, ²Faculty of Health Sciences, The Joyce & Irving Goldman Medical School, Ben Gurion University of The Negev, Be'er Sheva, ³Cardiac Imaging Unit, Cardiology Department, Sha’are Zedek Medical Center, Jerusalem, ⁴Clinical Research Center, Soroka University Medical Center, Ben Gurion University of The Negev, Be'er Sheva, Israel