08:30 Effect of Diameter of Drug-Eluting Stents Versus Bare-Metal Stents on Late Outcomes: a propensity score-matched analysis
Amos Levi¹,², Tamir Bental¹,², Hana Veknin Assa¹,², Gabriel Greenberg¹,², Eli Lev¹,², Ran Kornowski¹,², Abid Assali¹,²
¹Cardiology, Rabin Medical Center, Israel
²Sackler 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 Landes¹, Abid Assali¹, Ram Sharoni¹,², Hanna Vaknin-Assa¹, Katia Orvin¹, Amos Levi¹, Yaron Shapira¹, Shmuel Schwartzenberg¹, Ashraf Hamdan¹, Tamir Bental¹, Alexander Sagie¹, Ran Kornowski¹
¹Department of Cardiology, Rabin Medical Center, Tel Aviv, Israel
²Department of Cardiac Surgery, Rabin Medical Center, Tel Aviv, Israel

Uri Landes¹, Alon Barsheshet¹, Abid Assali¹, Hanna Vaknin-Assa¹, Israel Barbash³, Victor Guetta³, Amit Segev³, Ariel Finkelstein², Amir Halkin², Jeremy Ben-Shoshan², Ran Kornowski¹
¹Department of Cardiology, Rabin Medical Center, Tel Aviv, Israel
²Cardiology, Sourasky Medical Center, Tel Aviv, Israel
³Cardiology, 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, Tel-Aviv, Israel 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 Fink¹, Amit Segev¹, Ariel Finkelstein², Ran kornowski³, Israel Barbash¹, Amir Halkin², Abid Assali³, Arie Steinvil², Hana Vaknin-Assa³, Jeremy Ben Shoshan², Paul Fefer¹, Victor Guetta¹, Zach Rosenbaum²  
¹Leviev Heart Center, Sheba Medical Center, Tel Hashomer, Israel  
²Department of Cardiology, Tel Aviv Medical Center, Tel Aviv, Israel  
³Department of Cardiology, Rabin Medical Center, Petah Tikva, Israel  

09:36  
**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  

09:47  
**Comparative Matched Outcome of Evolut-R vs. CoreValve Transcatheter Aortic Valve Implantation**  
Uri Landes, Alon Barsheshet, Tamir Bental, Abid Assali, Hanna Vaknin-Assa, Amos Levi, Katia Orvin, Ran Kornowski  
Cardiology, Rabin Medical Center, Petah-tikva, Israel  

08:30-10:00   Heart Failure – Advances in Prediction and Treatment   
**Hall B**  
Chairs: Israel Gotsman, Offer Amir, Israel  

08:30  
**Non-invasive Lung IMPEDANCE-Guided Preemptive Treatment in Chronic Heart Failure Patients: a Randomized Controlled Trial (IMPEDANCE-HF trial)**  
Simcha Meisel¹, Michael Shochat¹, Avraham Shotan¹,², David S Blondheim¹,², Mark Kazatsker¹,², Iris Dahan¹,², Aya Asif², Yoseph Rozenman¹,², Ilia Kleiner⁴,⁵, Jean Marc Weinstein⁵, Aaron Frimerman¹, Lubov Vasilenko¹,²  
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  

08:42  
**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, Israel  
²Cardiovascular Department, Poryia Medical Center, Tiberius, Israel  
³EURObservational Research Programme, European Society of Cardiology, Sophia-Antipolis, France
TUESDAY, APRIL 12, 2016

08:54  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

09:06  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, Israel
²Heart Institute, Rabin Medical Center, Petah Tikva, Israel
³Heart Institute, Hadassah Medical Center, Jerusalem, Israel
⁴Heart institute, Baruch Padeh Medical Center, Poriya, Israel

09:18  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 Serraf¹, David Mishali¹, Michael Glikson⁵
¹Pediatric Cardiology, Seba Medical Center, Ramat Gan, Israel
²Cardiac, Analyze it Ltd, Tuval, Israel
³Eliachar Research Laboratory, Western Galilee Hospital, Nahariya, Israel
⁴Cardiac, Gamida Ltd, Israel
⁵Davidai Arrhythmia Center, the Heart Center, Sheba Medical Center, Ramat Gan, Israel

09:30  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

09:42  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, Ukraine
²Clinical pharmacology, Medical University, Zaporozhye, Ukraine
08:30-10:00  Hot Topics in CIED Treatment

Chairs: Alon Barsheshet, Mahmoud Suleiman, Israel

08:30  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 Michowitz6, Glikson Michael6, Mahmoud Suleiman1

1Cardiology, Rambam Medical Center, Haifa, Israel
2Cardiology, Barzilai Medical Center, Ashkelon, Israel
3Cardiology, Rabon Medical Center, Petah Tiqwa, Israel
4Cardiology, Kaplan Medical Center, Rehovot, Israel
5Cardiology, Tel Aviv Medical Center, Tel Aviv, Israel
6Cardiology, Sheba edical Center, Ramat Gan, Israel

08:42  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 Strasberg5, Alon Barsheshet5

1Division of Cardiovascular Medicine, The Baruch Padeh Medical Institute, Poriya, Israel
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

08:54  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 Goldenberg3, Mahmoud Suleiman3, Vladimir Khalameizer1

1Department of Cardiology, Barzilai Medical center, and The Faculty of Health Sciences, Ben-Gurion University of the Negev, Ashkelon, Israel
2The Israeli Association for Cardiovascular Trials, Leivia Heart Center, Sheba Medical Center, Tel Hashomer, Israel
3Department of Cardiology, Rambam Medical Center, Haifa, Israel

09:06  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 Rosenschein1,2

1Cardiology, Bnai Zion Medical Center, Haifa, Israel
2Medicine, Technion Israel Institute of Technology, Haifa, Israel
3Science and Technology, Technion Israel Institute of Technology, Haifa, Israel
09:18  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

09:30  Characterization of a 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, Israel
²ER, Sheba Medical Center, Israel

08:30-10:00  Acute Cardiac Care ACS and Beyond  Hall H
Chairs: Zaza Iakobishvili, Idit Dobrecky-Mery, Israel

08:30  Coronary Artery Blood Flow in Acute Ischemic Stroke
Dawod Sharif¹,²,³, Fadi Abu Ahmad², Yasmine Sharif³, Amal Sharif-Rasslan⁴,⁵, Uri Rosenschein¹,²,³, Ayed Mahajneh²,³, Boaz Weller²,³
¹Cardiology, Bnai Zion Medical Center, Haifa, Israel
²Neurology, Bnai Zion Medical Center, Haifa, Israel
³Medicine, Technion - Israel Institute of Technology, Haifa, Israel
⁴Scince and Technology, Technion Israel Institute of Technology, Haifa, Israel
⁵Mathematics, The Academic Arab College, Haifa, Israel

08:42  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 Blatt¹,²,³, Gabby Elbaz-Greener¹,²,³, Oran Tzuman¹,²,³, Marina Leitman¹,²,³, Zvi Vered¹,²,³, Uri Oron²
¹Cardiology Division, Assaf Harofeh Medical Center, Zerifin, Israel
²Department of Zoology, Faculty of Life Sciences, Tel Aviv, Israel
³Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel

08:54  Ischemic Burden in Patients Experiencing Primary Ventricular Fibrillation
Shaul Atar, Barak Erlich
Cardiology, Galilee Medical Center, Nahariya, HaZafon, Israel
09:06  
**Machine Learning for Prediction of 30 Day Mortality after ST Elevation Myocardial Infarction: an Acute Coronary Syndrome Israeli Survey Data Mining Study**  
Amir Hadanny2,3, Roni Shouval1,3, Nir Shlomo4, Zaza Iakobishvili5, Ron Unger1, Doron Zahger9, Ronny Alkalai6, Shaul Atar7, Shmuel Gottlieb8, Shlomi Matetzky10, Ilan Goldenberg10, Roy Beigel10  
1 Internal medicine “F” Department, Chaim Sheba Medical Center, Ramat-Gan, Israel, Ramat Gan, Israel  
2 Sagol Center for Hyperbaric medicine and Research, Assaf HaRofe Medical Center, Zeriffin, Israel, Zeriffin, Israel  
3 The Mina and Everard Goodman Faculty of Life Sciences, Bar-Ilan University, Ramat-Gan, Israel  
4 Israeli Association for Cardiovascular Trials, Sheba Medical Center, Tel Hashomer, Israel, Ramat Gan, Israel  
5 Cardiology Department, Beilinson Hospital, Rabin Medical Center, affiliated to the Sackler School of Medicine, Tel Aviv University, Tel-Aviv, Israel, Petah Tikva, Israel  
6 Heart institute, Hadassah Hebrew University Medical Center, Jerusalem, Israel 91120, Israel  
7 Department of Cardiology, The Western Galilee Medical Center, Nahariya, Bar-Ilan University, Ramat-Gan, Israel, Nahariya, Israel  
8 Department of Cardiology, Shaare-Zedek Medical Center, Bikur Cholim Campus, the Hebrew University School of Medicine, Jerusalem, Israel, Jerusalem, Israel  
9 Intensive Cardiac Care Unit, Department of Cardiology, Soroka University Medical Center, Be’er-Sheva, Israel, Be’er-Sheva, Israel  
10 Heart Center, Chaim Sheba Medical Center, Tel Hashomer, Sackler School of Medicine, Tel Aviv University, Israel, Ramat Gan, Israel

09:18  
**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 Leevie Heart Center, Sheba Medical Center, Tel-Aviv University, Tel Hashomer, Israel
09:30 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

09:42 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, Israel
2Radiology Department, Sheba Medical Center, Israel
3Non Invasive Cardiology Unit, Sheba Medical Center, Israel
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

08:30 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 Boggrefe2, Lior Gepstein1
1Rappaport Faculty of Medicine and Research Institute, Technion – Israel Institute of Technology, Haifa, Israel
2Department of Medicine, University Hospital Mannheim, Mannheim, Germany

08:42 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 Gepstein3
1Physiology, The Sohnis Family Laboratory for Cardiac Electrophysiology and Regenerative Medicine, Rappaport Faculty of Medicine, Technion – Israel Institute of Technology, Haifa, Israel
2Pediatric Cardiology, Rambam Health Care Campus; Haifa Israel
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, Phillipe 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, Dan Aravot¹, Edith Hochhauser¹
¹Cardiac Research Laboratory, Felsenstein Medical Research Institute, Tel-Aviv University, Petah-Tikva, Israel
²Leviiev 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, Haifa, Israel
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
⁷Utah 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 Hochhauser1, 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, Israel  
3Leviev Heart Center, Tel Aviv University, Sheba Medical Center, Ramat Gan, Israel  
4Drug Science/Biochemistry, University of Catania, Department of . Catania, Italy and, Catania, Italy

09:42  
The Modulation of Excitation-contraction Coupling in Isolated Cardiomyocytes by Microparticle-carried Sonic Hedgehog Protein

Ludovit Paulis1,2, Jeremy Fauconnier2, Olivier Cazorla2, Jerome Thireau2, Raffaella Soletti3, Bastien Vidal2, Aude Ouille2, Marion Bartholome2, Patrice Bideaux2, Francois Roubille2, Jean-Yves Le Guenne2, Ramaroson Andriantsitohaina3, M. Carmen Martinez3, Alain Lacampagne2

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

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

Chairs: Dan Bitran, Erez Sharoni, Dan Aravot, Israel

08:30  
Cefazolin versus Vancomycin and Ceftazidim for Prevention of Sternal Wound Infection after Cardiac Surgery

Tomer Koler1, Esther Houminer1, Orit Blumenfeld2, Amit Korach1, Ehud Rudis1, Uzi Izhar1, Eldad Erez1, Oz M. Shapira1

1Department of Cardiothoracic Surgery, Hadassah Hebrew University Medical Center, Jerusalem, Israel  
2Israel Center for Disease Control, Ministry of Health, Israel
08:42  Late Outcomes After Second Repair (Re-repair) for Degenerative Mitral Valve
Amjad Shalabi,1 Hillit Cohen,1 Leonid Sternik,1 Boris Orlov,1 Alexanedr Kogan,1 Alexander Lipecy,1 Uri Vaturi,2 Micha Feinberg,2 Ehud Raanani,1
1Cardiac Surgery Department, Sackler School of Medicine, Tel-Aviv University, Israel
2Cardiology Departmnt, Sackler School of Medicine, Tel-Aviv University, Israel

08:54  A Dedicated Slot in Honor for Prof. Francis Wellens
Ehud Raanani
Israel

09:00  Blood-brain Barrier Disruption Following Cardiopulmonary Bypass: Assessment by Postoperative Magnetic Resonance Imaging
Dan Avramov,1 Oren Lev-Ran,1, s. Naparstek,2 Menachem Matsa,1 Lior Raichel,1 Tomer Kotelk,1 Yaron Ishay,1 Shani Kaptzon,1
Mahmoud Abu salah,1 Gideon Sahar1
1The Department of Cardiothoracic Surgery, Soroka University Medical Center, Beer-Sheva, Israel
2The 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 Tailakh,1,2,3 Yaron Ishay Shlomo,2,3 Janan Awesat,2 Michael Friger,2 Victor Novack,1,2,4 Gideon Sahar,2,3
1Clinical Research Center, Soroka University Medical Center, Israel
2Faculty of Health Sciences, Ben Gurion University of the Negev, Israel
3Department of Cardiothoracic Surgery, Soroka University Medical Center, Israel
4Division of Medicine, Soroka University Medical Center, Israel

09:24  Using Multidisciplinary Approach Pulmonary Thromboendarterectomy is Safe with Excellent Late Outcomes
Ronny Ben-Avi,1 Michael Segel,1,2 Sergey Preisman,1,3 Leonid Sternik,1 Ehud Raanani,1, Hans-Joachim Schafers,1, Alexander Kogan,1
1Cardiothoracic Surgery, Sheba Medical Center, Tel Hashomer, affiliated with the Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel
2Pulmonology, Sheba Medical Center, Tel Hashomer, affiliated with the Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel
3Anaesthesiology, Sheba Medical Center, Tel Hashomer, affiliated with the Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel
4Cardiothoracic Surgery, Universitatsklinikum des Saarlandes, Homburg, Germany
08:30-10:00 Heart Disease from Childhood to Adult Life
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, Israel
²Pediatrics, E. Wolfson Medical Center, Holon, Israel
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 Gavri³, Julius Golender¹, Nurit Yaakobi-Simhayoff¹, Ibrahim Abu Zehira¹, Avraham Shaag², Azaria Rein¹, Orly Elpeleg²
¹Department of Pediatric Cardiology, Hadassah, Hebrew University Medical Center, Jerusalem, Israel
²Monique and Jacques Roboh Department of Genetic Research, Hadassah, Hebrew University Medical Center, Jerusalem, Israel
Characteristics and Health Services Utilization among Adults with Congenital Heart Malformations in Israel
Michal Benderly1,2, Leonard Blieden2,3, Jonathan Buber4, Alexander Dadashev2,3, Ofra Kalter-Leibovici1,2, Avraham Lorber5, Amiram Nir6, Sergei Yalonetsky4, Gabriel Chodick2,7, Dalia Weitzman7,8, Ran Balicer9, Havi Murad1, Rafael Hirsch2,3, On behalf of the Israeli Congenital Heart Disease Research Group1

1Cardiovascular Epidemiology Unit, Gertner Institute for Epidemiology and Health Policy Research, Sheba Medical Center, Ramat-Gan, Israel
2Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
3Adult Congenital Heart Disease Unit, Rabin Medical Center, Petach Tikva, Israel
4Heart Institute, Sheba Medical Center, Ramat-Gan, Israel
5Pediatric Cardiology and GUCH Unit, Technion Faculty of Medicine, Rambam Health Care Campus, Haifa, Israel
6Department of Pediatric Cardiology, Hebrew University Medical Center, Hadassah, Jerusalem, Israel
7Medical Division, Maccabi Healthcare Services, Tel Aviv, Israel
8Faculty of Health Sciences, Ben-Gurion University of the Negev, Negev, Israel
9Clalit Research Institute, Clalit Health Services, Tel Aviv, Israel

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 Nir5,10, Sergei Yalonetsky4,9, Gabriel Chodick6, Dalia Weitzman6, Ran Balicer7, Michal Benderly3,8

1Cardiology, Sheba Medical Center, Ramat Gan, Israel
2Cardiology, Rabin Medical Center, Petach Tikva, Israel
3Cardiovascular Epidemiology Unit, Gertner Institute for Epidemiology and Health Policy Research, Ramat Gan, Israel
4Pediatric Cardiology and GUCH Unit, Rambam healthcare campus, Haifa, Israel
5Department of Pediatric Cardiology, Hadassah medical center, Jerusalem, Israel
6Medical division, Maccabi Healthcare Services
7Clalit Research Institute, Clalit health services, Israel
8Sackler Faculty of Health, Tel Aviv University, Tel Aviv, Israel
9Faculty of Medicine, Technion, Haifa, Israel
10Faculty of medicine, Hebrew university, Jerusalem, Israel
**Use of the Amplatz 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*

**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, Israel
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 Buick3, 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, Ontario, Canada
3Rescu, Li Ka Shing Knowledge Institute, St. Michael’s Hospital, Canada, Ontario, Canada
4Institute for Clinical Evaluative Sciences, Institute for Clinical Evaluative Sciences, Canada, Ontario, Canada

**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, Israel
2Neurology, Sheba Medical Center, Tel Hashomer, Israel
3Faculty of Health Sciences, University of Haifa, Israel
4Neufeld Cardiac Research Institute, Tel Aviv University, Tel Hashomer, Israel
09:06  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, Israel
2Cardiology, Soroka University Medical Center, faculty of Health Sciences, Ben-Gurion University of the Negev, Beer Sheva, Israel
3Unit of Nursing Research, Soroka University Medical Center, Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer Sheva, Israel

09:18  CHADS2 and CHA2DS2VASc Scores in Patients with Cardiovascular Diseases Admitted to the Hospital
Dmitry Dratva, Marc Klutstein, 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

09:30  Severe Familial Hypercholesterolemia: Prevalence and Characterization of Patients Presenting for Cardiac Catheterization
Barak Zafrir1,4, Chen Shapira2,4, Gil Lavie3,4, David A Halon1,4, Moshe Y Flugelman1,4
1Cardiovascular Division, Lady Davis Carmel Medical Center, Haifa, Israel
2Director, Clalit Health Services, Haifa and Western Galilee District, Israel
3Department of Medicine, Lady Davis Carmel Medical Center, Haifa, Israel
4Ruth and Bruce Rappaport Faculty of Medicine, Technion - Israel Institute of Technology, Haifa, Israel

09:42  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, Israel
2Zinman College for Physical Education & Sports, Wingate Institute, Netanya, Israel
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 Session I - Opening Ceremony
Opening Introductions:
The Honorable Minister Rabbi Yaakov Litzman, Minister of Health
Michael Glikson – President, Israel Heart Society
Gil Bolotin - Chairman, Israel Society of Cardiothoracic Surgery
Awarding of New Honorary Members of the Israel Heart Society:
Professor Elieser Kaplinsky
Professor Chaim Lotan
Professor Panos E. Vardas
Recognition of Educational Activity for Prevention of Heart Diseases
Mrs. Sara Ben Zvi
Fellowship Awards of the Israel Heart Society
Recognition of the Industry Round Table of the Israel Heart Society and the Israel Society of Cardiothoracic Surgery

11:30–11:40  Henry Neufeld Awards

11:40–12:10  Neufeld Memorial Lecture
Looking into the Future of PCSK9 Inhibition
C. Michael Gibson
Chief of Clinical Research, Division of Cardiology
Harvard’s Beth Israel Deaconess Medical Center, Boston, USA

12:10–12:30  Heart Team
Jan C.A. Hoornjtje
Coordinator South Limburg
Interventional Cardiology Platform, The Netherlands

12:30–14:30  Lunch & Lunch Sessions, Exhibition & E-Posters Visit
12:30-14:30  Lunch Session - Sponsored By Boehringer Ingelheim  
**Dabigatran 2016: Innovation in Anticoagulation Care**  
**CO-Chairs: Dan Atar, Norway, Michael Glikson, Israel**  

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  
President of Israel Heart Society  
Leviev Heart Center, Sheba Medical Center, Israel  

14:00-14:10  Q & A  

12:30-14:30  Lunch Session - Sponsored By AstraZeneca  
**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
### TUESDAY, APRIL 12, 2016

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>13:35-14:00</td>
<td>Panel Discussion</td>
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<td>Chairman: Prof. Ran Kornowski</td>
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<td>Panel members: Prof. Gérard Helft, Prof. Eli Lev, Prof. Shlomi Matetzky, Prof. Doron Zahger</td>
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<td>14:00-14:20</td>
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<td>12:30-14:30</td>
<td>Lunch Session - Sponsored By Sanofi</td>
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<td>PCSK9 Inhibition: Heralding a New Era for Prevention of Cardiovascular Disease&quot;</td>
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<td>Keynote speaker: M. John Chapman BSc (Hons), PhD, DSc, FESC</td>
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<td>Research Professor, University of Pierre and Marie Curie,</td>
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<td>Director Emeritus, INSERM Dyslipidemia and Atherosclerosis Research,</td>
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<td>Past-President, European Atherosclerosis Society,</td>
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<td>Pitie-Salpetriere University Hospital, Paris, France</td>
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<td>Expert panel: Prof. Dror Harats, Prof. Leitersdorf Eran, Prof. David Hasdai</td>
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<td>12:30-14:30</td>
<td>Lunch - Annual Meeting of the Israeli Society of Cardiothoracic Surgery</td>
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<td>14:30-16:00</td>
<td>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</td>
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<td>14:30</td>
<td>Overview – ESC &amp; IHS Long Term Relationship</td>
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<td>Fausto J. Pinto</td>
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<td>14:40</td>
<td>Imaging in Heart Failure</td>
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<td>Jeroen J. Bax</td>
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<td>15:00</td>
<td>Genetics of Cardiovascular Disease</td>
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<td>Eloisa Arbustini</td>
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<td>Dan Atar</td>
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<td>15:40</td>
<td>New Horizons in the Treatment of Atrial Fibrillation</td>
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16:00-16:30   Coffee Break, Exhibition & E-posters Visit

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

16:30  Image-based FFR<sub>Angio</sub> During Coronary Catheterization
Ran Kornowski<sup>1</sup>, Ifat Lavi<sup>1</sup>, Hana Vaknin-Assa<sup>1</sup>, Abid Assali<sup>1</sup>, Orna Valtzer<sup>1</sup>, Mariano Pellicano<sup>2</sup>, Vincent Flore<sup>2</sup>, Bernard De Bruyne<sup>2</sup>
<sup>1</sup>Interventional Cardiology, 1Rabin Medical Center, Petach Tikva, Israel, Petach Tikva, Israel
<sup>2</sup>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 Levi<sup>1</sup>, Pablo Codner<sup>1</sup>, Giuseppe Gargiulo<sup>2</sup>, Fabien Praz<sup>3</sup>, Kentaro Hayashida<sup>4</sup>, Amer Masalha<sup>1</sup>, Yusuke Watanabe<sup>5</sup>, Darren Mylotte<sup>6</sup>, Nicolas Debruyne<sup>7</sup>, Marco Barbanti<sup>2</sup>, Thierry Lefèvre<sup>5</sup>, Thomas Modine<sup>7</sup>, Johan Bosmans<sup>8</sup>, Stephan Windecker<sup>3</sup>, Israel Barbash<sup>9</sup>, Jan-Malte Sinning<sup>10</sup>, Alon Barsheshet<sup>1</sup>, Ran Kornowski<sup>1</sup>
<sup>1</sup>Cardiology, Rabin Medical Center, Petah-Tikva, Israel
<sup>2</sup>Cardiology, Ferrarotto Hospital, Italy
<sup>3</sup>Cardiology, Inselspital University Hospital, Bern, Switzerland
<sup>4</sup>Cardiology, Keio University Hospital, Japan
<sup>5</sup>Cardiology, Institute Cardiovasculaire Paris Sud, France
<sup>6</sup>Cardiology, Galway University Hospital, Ireland
<sup>7</sup>Cardiology Department, CHRU, Lille, France
<sup>8</sup>Cardiology, University Hospital, Antwerp, Belgium
<sup>9</sup>Cardiology, Sheba Medical Center, Ramat Gan, Israel
<sup>10</sup>Cardiology, Bonn University Hospital, Germany

16:54  Feasibility and Safety of The Antecubital Venous Access for Right Heart Catheterization in Pulmonary Hypertension
Avi Avriel<sup>1</sup>, Avi Shimony<sup>2</sup>, David Kriaf<sup>2</sup>, Romi Kon<sup>2</sup>, Gabriel Rosenstein<sup>2</sup>, Miri Merkin<sup>2</sup>, Yael Raviv<sup>1</sup>, Doron Zahger<sup>2</sup>, Carlos Cafri<sup>2</sup>
<sup>1</sup>Pulmonology Institute, Department of Internal Medicine, Soroka University Medical Center, Ben-Gurion University, Beer-Sheva, Israel
<sup>2</sup>Cardiology Department, Soroka University Medical Center, Ben-Gurion University, Beer-Sheva, Israel
17:06  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 Halkin2, Paul Fefer2, Jeremy Ben-Shoshan2, Maayan Konigstein3, Victor Guetta2, Ran Kornowski1, Alon Barsheshet1
1Department of Cardiology, Rabin Medical Center, Petah Tikva, Israel
2Leviev Heart Center, Chaim Sheba Medical Center, Tel Hashomer, Israel
3Department of Cardiology, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

17:18  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

17:30  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, Ramat-Gan, Israel
2Cardiology, Chaim Sheba Medical Center, Tel-Hashomer, Ramat-Gan, Israel

17:42  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

16:30-18:00  Joint Session: The Israel Working Group on Echocardiography and the Israel Society of Cardiothoracic Surgery
Chair: Ehud Raanani, Yaron Shapira, Rafael Kuperstein, Israel

16:30  Cardiac War Injuries, Management of Penetrating Cardiac Shrapnel
Ziv Beckerman1, Oved Cohen1, Zvi Adler1, Hany Bahouth2, Yoram Kluger2, Gil Bolotin1
1Cardiac Surgery, Rambam Healthcare Campus, Haifa, Israel
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 Leivie 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,  
Alexandr Kogan1, Alexander Lipey1, Uri Vaturi2, Micha Feinberg2,  
Ehud Raanani1  
1Cardiac Surgery Department, Sackler School of Medicine, Tel-Aviv  
University, Israel  
2Cardiology Department, Sackler School of Medicine, Tel-Aviv University,  
Israel

17:06  Treatment of Mitral Bio-Prosthetic Valve Deterioration Using Trans  
Apical Valve in Valve Technique: Intermediate-term Outcomes  
Ram Sharony, Abid Assali, Hana Vaknin Assa, Yaron Shapiro,  
Alexander Sagie, Israel 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, Israel  
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, Israel  
2Cardiothoracic Surgery, Assuta Medical Center, Tel Aviv, Israel

17:42  Does Concomitant Surgical Atrial Fibrillation Ablation Increase  
Immediate and Early Risk of Mitral Surgery?  
Leonid Sternik, Alexander Kogan, Roy Beinart, Michael Glikson,  
Shany Levin, Ehud Raanani  
Cardiac Surgery and Cardiology Department, Sheba Medical Center, Tel-  
Hashomer.
16:30-18:00   Kellerman Award Competition
Chairs: Joseph Shemesh, Eli Lev, Israel

16:30   Novel E-selectin Binding Polymers Reduce Atherosclerotic Lesions in ApoE(-/-) mice
Olga Tsoref1,2, Natalie Landa1, David Kain1,2, Dalia Tyomkin3, Ayelet David3, Jonathan Leor1,2
1Sheba Medical Center, Tamman Cardiovascular Research Institute, Israel
2Tel-Aviv University, Neufeld Cardiac Research Institute, Israel
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, Israel
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 Derazne3,4, Dana Ben-Ami Shor1,4, Dorit Tzur3, Arnon Afek4,5, Ari Shamiss1,4, Ziona Haklai5, Jeremy Kark6
1Department of Medicine, Sheba Medical Center, Israel
2The Pinhas Borenstein, Talpiot Medical Leadership Program, Sheba Medical Center, Israel
3The Medical Corps, Israel Defense Forces
4The Sackler School of Medicine, Tel Aviv University, Israel
5School 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 Stampfer², Assaf Rudich¹, Iris Shai¹, Yaakov Henkin²
¹Department of Public Health, Ben-Gurion University of the Negev, Beer Sheva, Israel
²Soroka University Medical Center, Soroka University Medical Center, Beer Sheva, Israel
³Nuclear Research Center Negev, Nuclear Research Center Negev, Dimona, Israel
⁴Department of Medicine, University of Leipzig, Leipzig, Germany

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, Rinat Ankri², Emanuel Harari¹, Menachem Motiei², Ran Komowski¹, Edith Hochhauser¹, Dror Fixler², Eli Lev¹
¹Cardiology Department Rabin Medical Center, Cardiovascular Research Laboratories, Felsenstein Medical Research Center, Petah-Tikva, Israel
²Bar-Ilan University, Faculty of Engineering and Institute of Nanotechnology and Advanced Materials, Ramat-Gan, Israel

17:30 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 Efraim², Irit Huber¹, Gil Arbel¹, Amira Gepstein¹, Wolfram-Hubertus Zimmermann³, Marcel Machluf², Lior Gepstein¹
¹Rappaport Faculty of Medicine and Research, Technion-Israel Institute of Technology, Israel
²Faculty of Food and Biotechnology Engineering, Technion-Israel Institute of Technology, Israel
³Institute of Experimental and Clinical Pharmacology and Toxicology, University Medical Center Hamburg-Eppendorf, Germany
16:30-18:00  Intensive Cardiac Care  
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 Leviev 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 Leviev 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, Beilinson Campus, Petah-Tikva, Israel  
²Internal Medicine A, Rabin Medical Center, Beilinson Campus, Petah-Tikva, Israel  
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, Beilinson Campus, Petah-Tikva, Israel  
²Internal Medicine A, Rabin Medical Center, Beilinson Campus, Petah-Tikva, Israel  
³Hematology and Coagulation Laboratory, Rabin Medical Center, Hasharon Campus, Petah-Tikva, Israel
17:30  
**Sensitivity and Specificity of Two Different Automated External Defibrillators (AED) Used in in-Hospital and Out-Of-Hospital Cardiac Arrest**  
Joerg Carlsson\(^1\,\^2\), Johan Israelsson\(^1\,\^2\), Kristofer Årestedt\(^2\), Burkard Von Wangenheim\(^1\)  
\(^1\)Dept. of Cardiology, Kalmar County Hospital, Kalmar, Sweden  
\(^2\)Faculty of Health and Life Sciences, Linnaeus University, Kalmar, Sweden  

17:42  
**Respiratory Guard System: New Technology**  
Zvi Peled\(^1\), Avishai Zisser\(^2\), Michal Fertouk\(^1\), Keren Bitton-Worms\(^1\), Victor Kerzman\(^1\), Gil Bolotin\(^1\)  
\(^1\)Department of Cardiac Surgery, Rambam Health Care Campus, Technion – Faculty of Medicine, Haifa, Israel  
\(^2\)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**  
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 Katz\(^1\), Jacob Lavee\(^2\), Yedael Har-Zahav\(^1\), Michael Arad\(^1\), Yedida Shemesh\(^1\), Yigal Kassif\(^2\), Nir Shlomo\(^3\), Ilan Goldenberg\(^1\), Dov Freimark\(^1\), Yael Peled\(^1\)  
\(^1\)Cardiology, Sheba Medical Center, Israel  
\(^2\)Cardiothoracic Surgery, Sheba Medical Center, Israel  
\(^3\)The 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 Peled\(^1\), Moshe Katz\(^1\), Jacob Lavee\(^2\), Michael Arad\(^1\), Yedida Shemesh\(^1\), Yigal Kassif\(^2\), Yedael Har-Zahav\(^1\), Ilan Goldenberg\(^1\), Dov Freimark\(^1\)  
\(^1\)Cardiology, Sheba Medical Center, Israel  
\(^2\)Cardiothoracic Surgery, Sheba Medical Center, Israel  

16:54  
**Gender Differences in Mortality of Candidates for Heart Transplantation in Israel**  
Sergei Amunts\(^1\), Yigal Kassif\(^1\), Yael Peled\(^2\), Yedael Har-Zahav\(^2\), Dov Freimark\(^2\), Dan Admon\(^3\), Tuvya Ben Gal\(^4\), Jacob Lavee\(^1\)  
\(^1\)Cardiac Surgery, Leviev Heart Center, Sheba Medical Center, Israel  
\(^2\)Cardiology, Leviev Heart Center, Sheba Medical Center, Israel  
\(^3\)Cardiology, Hadassah Medical Center, Israel  
\(^4\)Cardiology, Rabin 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 Hassan¹, Victor Rubchevsky², Miriam Abuazira², Dimitry Golubov², Viki Yaari¹, Yulia Zusman¹, Benjamin Medalion², Ran Kornowsky¹, Dan Aravot², Tuvia Ben Gal¹  
¹Cardiology, Rabin Medical Center, Petach Tikva, Israel  
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-Lev², Daniel Murninkas³, Benjamin Ben-Avraham², Miriam Abuazira², Dmitry Golubov³, Victor Rubchevsky³, Dan Aravot³, Ran Kornowski³, Tuvia Ben-Gal²  
¹Cardiology, Shaare Zedek Medical Center, Jerusalem, Israel  
²Cardiology, Rabin Medical Center, Petah-Tikva, Israel  
³Vascular Research, The Felsenstein Medical Research Institute, 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-Gal³, Ram Sharony¹, Daniel Murninkas³, Miriam Abuazira¹, Dimitry Golubov¹, Victoria Yaari², Tal Hasin², Ben Ben-Avraham², Benjamin Medalion¹, Eitan Snir¹, Ran Kornowski³, Dan Aravot¹  
¹The Cardiothoracic Department, Rabin Medical Center, Petah Tikva, Israel  
²The Cardiology Department, Rabin Medical Center, Petach Tikva, Israel
16:30-18:00  AFICARDIO - Management of Cardiotoxicity of Antineoplastic Drugs
Chair: Ariel Aaron Cohen, France, Bernard Belhassen, Israel

16:30  Pathophysiology of Cardiotoxicity of Antineoplastic Drugs
Atul Patak
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
France

17:50  Discussion

16:30-18:00  Comprehensive Cardiac Imaging
Chair: 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, Ahiud Bendet1,
Tomer Ziv-Baran5, Arie Steinvil2, Shlomo Berliner3, Nahum Nesher4,
Yanai Ben-Gal4, Yan Topilsky2
1Radiology, TASMC, Tel Aviv, Israel
2Cardiology, TASMC, Tel Aviv, Israel
3Internal medicine E, TASMC, Tel Aviv, Israel
4Cardiothoracic Surgery, TASMC, Tel Aviv, Israel
5Epidemiology and Preventive Medicine, School of Public Health, Sackler
Faculty of Medicine, TAU, Tel Aviv, Israel
16:42 Acute Pulmonary Embolism among Patients with and without Malignancy: Comparison of Cardiac Measurements Using CT Pulmonary Angiography
Assi Milwidsky1,3, Yitzhak Hadad2, Eugine Soikher2, Achiude Bendet2, Sharon Greenberg1, Yan Topilsky3, Tomer Ziv-Baran4, Shlomo Berliner1, Galit Aviram2
1Department of Internal Medicine “E”, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel
2Department of Radiology, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel
3Department of Cardiology, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel
4Department of Statistical Science, Tel Aviv University, Tel-Aviv, Israel

16:54 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

17:06 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, Israel
2Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv

17:18 Quantitation of Left Ventricular Ejection Fraction Reserve from Early Gated Regadenoson Stress Tc-99m High Efficiency SPECT
Yafim Brodov1, Mathews Fish2, Heidi Gransar1, Daniel Berman1, Guido Germano3, 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

17:30 Prognostic Value of Ultrafast Myocarditis Perfusion Spect Imaging Using an Integrated Stress-first And Stress-Only Approach
Tali Sharir1, Boris Brodkin1,3, Beatriz Hemo2, Judith Tsamir2, Gil Kovalski4, Vitali Prochorov5, Andrzej Bojko1, Marina Pinskie1, Konstantine Merzon1, Amos Katz1,3
1Nuclear Cardiology, Assuta Medical Centers, Tel Aviv, Israel
2Assessment and Investigation, Maccabi Healthcare Services, Tel Aviv, Israel
3Cardiology, Barzilai University Medical Center, Ashkelon, Israel
4Nuclear Medicine, General Electric, Haifa, Israel
17:42  
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 Schwartzfuchs3,4, 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, Be’er-Sheva, Israel
2Soroka University, Medical Center, Be’er-Sheva, Israel
3Division of Cardiology, Sha’are-Tzedek Medical Center, Jerusalem, Israel
4Nuclear Research Center, Negev, Dimona, Israel
5Internal Medicine D, Rabin Medical Center, Campus Golda, Petach Tikva, Israel
6Department of Medicine, University of Leipzig, Leipzig, Saxony, Germany
7Channing Division of Network Medicine, Department of Medicine, Brigham and Women’s Hospital and Harvard School of Public Health, Boston, MA, USA

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 Silber1, Ygal Plakht2, Arthur Shiyovich3, Harel Gilutz2
1Primary Care Clinic, Clalit Health Services, Gedera, Israel
2Faculty of Health Sciences, Soroka University Medical Center and Ben-Gurion University of the Negev, Beer-Sheva, Israel
3Internal 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 Monhts Follow-up  
Yael Pernick¹, Jonathan Moore², Hans-Peter Kubis², Itzhak Zyssman¹, Zvika Vered¹  
¹Cardiology, Asaf Harofe, Israel  
²School 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 Weitzman¹², Lori D. Bash³, Ofer Sharon⁴, Assi Milwidsky⁵, Gabriel Chodick¹², Varda Shalev¹²  
¹Department of epidemiology and database research, Maccabitech, Maccabi Healthcare Services, Tel Aviv, Israel  
²Sackler Faculty of Medicine, Tel-Aviv University, Tel Aviv, Israel  
³Global Health Outcomes, C.O.R.E., Merck & Company, Inc., Rahway, NJ, USA  
⁴Medical Affairs, MSD Israel, Hod Hasharon, Israel  
⁵Internal 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  
Joerg Carlsson¹, Tony Ragnarsson², Tom Danielsson², Patrick Bergman²  
¹Health and Caring Sciences, Linnaeus University, Sweden  
²Sport Science, Linnaeus University, Sweden

17:42  Atherosclerotic Burden and Heart Failure after Myocardial Infarction  
Yariv Gerber¹², Susan Weston², Maurice Enriquez-Sarano³, Sheila Manemann², Alanna Chamberlain², Ruoxiang Jiang², Véronique Roger²³  
¹Epidemiology and Preventive Medicine, Tel Aviv University, Tel Aviv, Israel  
²Health Sciences Research, Mayo Clinic, Rochester, Minnesota, USA  
³Cardiovascular Diseases, Mayo Clinic, Rochester, Minnesota, USA
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 Shlomi1, Eli Lev2, Amnon Eitan1, Amir Solomonica1, Katia Orvin2, Sergey Yalonetsky1, Eugenia Nikolsky1, Anees Musallam1, Ariel Roguin1  
1Cardiology, Rambam Medical Center, Haifa, Israel  
2Cardiology, Hasharon Medical Center, Petach Tikva, Israel

08:42  Trans-catheter Valve Implantation (TAVI) Versus Sutureless Aortic Valve Replacement in Elderly Patients  
Amjad Shalabi1, Israel Barbash2, Boris Orlov1, Alexander Liney1,  
Amit Segev2, Paul Fefer2, Micha Feinberg2, Alexander Kogan1, Elad Maor2, Victor Guetta2, Ehud Raanani1  
1Cardiac Surgery Department, Chaim Sheba Medical Center, Sackler School of Medicine, Tel- Aviv University, Israel  
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 Hamdan1, Ella Shaviv2, Victor Guetta2, Israel Barbash2, Orly Goitein3,  
Eli Konen3, Amit Segev2, Paul Fefer2, Abid Assali1, Ran Kornowski1,  
Ehud Schwammenthal2  
1Department of Cardiology, Rabin Medical Center, Israel  
2Department of Cardiology, Sheba Medical Center, Israel  
3Department of Diagnostic Imaging, Sheba Medical Center

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, Peta 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  
Rami Abu Fanne, Simcha Ron Meisel, Avraham Shotan, Aharon Frimerman  
Cardiology Department, Hillel Yaffe Medical Center, Hadera, Israel
09:30 Ventricular Septal Defect as a Complication of TAVI: Mechanism and Incidence
Vicki Zeniou1, Shmuel Chen1, Dan Gilon1, Amit Segev2, Israel Barbash2, Ariel Finkelstein3, Ronen Beer1, David Planer1, Mony Shuvy1, Chaim Lotan1, Haim D. Danenberg1
1Cardiology, Hadassah Medical Center, Jerusalem, Israel
2Cardiology, Sheba Medical Center, Jerusalem, Israel
3Cardiology, Tel Aviv Medical Center, Jerusalem, Israel

09:42 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 Steinvil4, Amos Levi3, Jeremy Ben Shoshan4, Israel Barbash1,2, Paul Fefer1,2, Amit Segev1,2
1Leviev Heart Center, Sheba Medical Center, Tel Hashomer, Israel
2Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel
3Cardiology, Rabin Medical Center, Petach Tikva, Israel
4Heart Institute, Tel Aviv Medical Center, Tel Aviv, Israel

08:30-10:00 Echocardiography Valvular Heart Disease Hall B
Chairs: Alik Sagie, Avinoam Shiran, Israel

08:30 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

08:42 Complementary TEE to TTE in Aortic Stenosis Severity Assessment – Is there an Added Benefit ?
Shmuel Schwartzzenberg, Alexander Sagie, Shirit Kazum, Mordechai Vaturi, Daniel Monakier, Ran Kornowski, Yaron Shapira
Cardiology, Rabin Medical Center, Beilinson Hospital, Petach Tikva, Israel

09:06 “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, Soroka University Medical Center, Beer-Sheva, Israel
2Cardiology Department, Soroka University Medical Center, Beer-Sheva, Israel
### Ablation of Cardiac Arrhythmias

**Hall C**

**Chairs:** Roy Beinart, David Luria, Israel

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<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tr>
<td>08:30</td>
<td>Treatment and Outcomes in Elderly and Very Elderly Patients Aged 75-85 and ≥ 85 Years with Atrial Fibrillation: A Prospective National Study.</td>
<td>Yoav Aronson¹²³, Orna Reges², Moshe Hoshen², Yardena Rabi², Ran Balicer², Morton Leibowitz², Moti Haim²⁴⁵</td>
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<td></td>
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<td>¹Cardiology Department, Meir Medical Center, Tel Aviv, Israel</td>
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<td>²Research Institute, Clalit Health Services, Tel Aviv, Israel</td>
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<td>³Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel</td>
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<td>⁴Cardiology Department, Soroka Medical Center, Beer Sheva, Israel</td>
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<td>⁵Faculty of Health Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel</td>
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<tr>
<td>08:42</td>
<td>Gender Differences in Success Rates of Catheter Ablation of Atrial Fibrillation</td>
<td>Avi Sabbag¹, Younis Orwa¹, Yasmin Farhadian¹, David Luria², Osnat Gurevitz¹, Eyal Nof¹, Michael Glikson¹, Roy Beinart¹</td>
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<td></td>
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<td>¹Leviev Heart Institute, The Chaim Sheba Medical Center, Tel-Hashomer, Ramat- Gan, Israel</td>
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<td></td>
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<td>²Cardiology, Hadassah Medical Center, Jerusalem, Israel</td>
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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, ramat gan, Please Select, Israel  
2Department of Internal Medicine C, The Chaim Sheba Medical Center, Tel-Hashomer, Israel, ramat gan, Please Select, Israel  
3Institute for Medical Screening, The Chaim Sheba Medical Center, Tel-Hashomer, ramat gan, Please Select, Israel  

09:06  A New CARTO® Segmentation Module Software to Facilitate Ablation of Arrhythmias  
Oholi Tovia Brodie, Aharon Glick, Michael Barkagan, Raphael Rosso, Bernard Belhassen, Yoav Micowitz  
Cardiology, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel  

09:18  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, Israel  
2Davidai Arrhythmia Center, Leviev Heart Center, Sheba Medical Center, Tel Hashomer, Israel  
3The Department of Cardiology, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel  

09:30  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  

09:42  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, Israel  
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

08:30  MDCT to Reduce TAVR and Valve in Valve Complications  
Jonathon A. Leipsic, Canada

08:50  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, Rambam Medical Centre, Haifa, Israel  
²Radiology, Rambam Medical Centre, Haifa, Israel  
³CT Division, Philips Healthcare, Haifa, Israel

09:02  Geometry of the Aorto-Ventricular Annulus as a Predictor of Pacemaker Implantation Following Transcatheter Aortic Valve Replacement – A Proof-of-Concept Study  
Michael Barkagan¹, Yan Topilsky¹, Arie Steinvil¹, Galit Aviram², Jeremy Ben-Shoshan¹, Leehee Barak¹, Ariel Finkelstein¹, Shmuel Banai¹, Gad Keren¹, Haim Shmilovich¹  
¹Cardiology, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel  
²Radiology, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel

09:14  Automated 4-dimensional Regional Myocardial Strain Evaluation using Cardiac Computed Tomography  
Zvi Peled¹, Yehiel Lamash³, Keren Biton-Worms¹, Gil Bolotin¹, Anath Fischer³, Jonathan Lessick²  
¹Cardiothoracic Surgery, Rambam Medical Centre, Haifa, Israel  
²Cardiology, Rambam Medical Centre, Haifa, Israel  
³Mechanical Engineering, Technion, Israel Institute of Technology, Haifa, Israel

09:26  Predicting the Size of Left Atrial Appendage Occluder Using a Printed MDCT 3D Model – A Feasibility Study  
Orly Goitein¹, Noam Fink², Victor Guetta², Roy Beinart², David Luria³, Eli Konen¹, Elio Di Segni¹, Michael Glikson²  
¹Diagnostic Imaging, Sheba Medical Center, Ramat- Gan, Israel  
²Heart Institute, Sheba Medical Center, Ramat- Gan, Israel  
³Department of Cardiology, Hadassah Medical Center, Jerusalem, Israel
High Incidence of Renal Artery Stenosis in Post TAVI Acute Kidney Injury
Orly Goitein1, Orna Komisar1, Israel Barbash2, Victor Guetta2, Amit Segev2, Paul Fefer2, Elad Asher2, Sagit Ben Zikri2, Anat Berkovitz2, Ashraf Hamdan3, Elio Di Segni1, Boris Orlov2, Eli Konen1, Yafim Brodov1,2
1Diagnostic Imaging, Sheba Medical Center, Ramat gan, Israel
2Heart Institute, Sheba Medical Center, Ramat Gan, Israel
3Department of Cardiology, Rabin Medical Center, Petach-Tikva, Israel

08:30-10:00 New Discoveries in Basic Researches I
Hall I
Chairs: Izhak Kehat, Mickey Scheinowitz, Israel

TRPV2 Knockout Mice Demonstrate Better Cardiac Performance Following Myocardial Infarction Relative to Their Wild-type Counterparts Potentially due to Attenuated Macrophage-Dependent Phagocytosis
Michal Entin-Meer1,2, Lena Cohen1,2, Ran Levy1, Einat Hertzberg-Bigelman1,2, Jeremy Ben-Shoshan1,2, Gad Keren1,2
1Cardiology, Cardiovascular Research Laboratory, Tel-Aviv, Israel
2Cardiology, Tel Aviv Sourasky Medical Center, Tel-Aviv, 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 Gavish1, Ronen Beeri2, Dan Gilon2, Chen Rubinstein3, Yacov Berlatzky3, S. David Gertz1
1Institute for Medical Research (IMRIC), The Hebrew University-Hadassah Medical School, Jerusalem, Israel
2Department of Cardiology, The Hebrew University-Hadassah Medical School and Hadassah University Hospital, Jerusalem, Israel
3Department 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, Petah-Tikva, Israel
3Internal Medicine A, Rabin Medical Center, Beilinson Campus, Petah-Tikva, Israel
4Department of Hematology, Rabin Medical Center, Beilinson Campus, Petah-Tikva, Israel
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 Berkenstadt7, Yonina Eldar8, Pavel Lifshits9, James C Perry2, Dewleen G Baker6, Tobias Moeller-Bertram3,6
1Pediatric Cardiology, Sheba Medical Center, Ramat Gan, Israel
2Pediatric Cardiology, UCSD, CA, USA
3Anesthesiology, UCSD, CA, USA
4Department of Industrial Engineering and Management, Ben Gurion University, Israel
5Department of Industrial Engineering and Management, Stanford University, CA, USA
6Center of Excellence for Stress and Mental Health, Veterans Affairs, CA, USA
7Anesthesiology, Sheba Medical Center, CA, USA
8The department of Electrical engineering, The Technion, Israel Institute of Technology, Haifa, Israel

First Description of Complete Deletion of the Lipoprotein Lipase Gene
Sara Hoss1, Shosi Shpitzen1, Eran Leitersdorf1, Daniel Schurr1, Eti Granot2, Chaim Lotan1, Ronen Durst1
1Department of Cardiology, Hadassah Medical Center, Jerusalem, Israel
2Department of Pediatrics, Kaplan Medical Center, Rehovot, Israel

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
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| 08:30 | Joint Session: The Israel Society of Cardiothoracic Surgery and Society of Cardiothoracic Surgeons of South Africa  
Chairs: Gil Bolotin, Oz Shapira, Israel; Robert Kleinloog, South Africa  
Hall J |
| 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  
Oren Lev-Ran, Menachem Matsa, Dan Avramov, Yaron Ishay, Lior Raichel, Gideon Sahar  
The Department of Cardiothoracic Surgery, Soroka University Medical Center, Beer-Sheva, Israel |
| 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 Bitan, Eyal Leshem, Paul Pirundini, Carrie Consalvi, Kevin Lilly, Quincy King, Dan Loberman  
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 Agmon⁵, 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, Israel  
²Cardiology, Rambam Medical Centre, Haifa, Israel  
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, Israel  
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 Shochat1, Aharon Frimerman1, Lubov Vasilenco1, Sorel Goland4, Alex Blatt5, Jolien W Roos-Hesselink3
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, Israel
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 Raanan1,4, Ran Kornowski1,4
1Cardiology, Rabin Medical Center, Petah Tikva, Israel
2Institute of Oncology, Davidoff Cancer Center, Rabin Medical Center, Petah Tikva, Israel
3Institute of Hematology, Davidoff Cancer Center, Rabin Medical Center, Petah Tikva, Israel
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, Chaim Sheba Medical Center, Tel Hashomer, Israel
2The Pulmonary Institute, Chaim Sheba Medical Center, Tel Hashomer, Israel
08:30-10:00  Cardiovascular Pharmacology  
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  
Katia Orvin1, Yaron Barac2, Ran Kornowski1, Leor Perl1, Pablo Codner1, Victor Rubchevsky2, Ram Sharoni2, Eitan Snir1, Dan Aravot2, Eli Lev1  
1Cardiology, Rabin Medical Center, Petach Tikva, Israel  
2Cardiothoracic, Rabin Medical Center, Petach Tikva, Israel

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, University of Colorado, Denver, Colorado, USA  
2Medicine, University of Colorado, Denver, Colorado, USA  
3Medicine, Uniformed Services University, Bethesda, Maryland, USA

08:54  The Role of Spironolactone in the Treatment of Patients with Resistant Hypertension  
Elisha Ouzan

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, Israel  
2Department of cardiology, Hadassah University Hospital, Jerusalem, Israel  
3Department of Medicine, Hadassah University Hospital, Jerusalem, Israel  
4Department of Medicine, Division of Clinical Pharmacology, Hadassah University Hospital, Jerusalem, Israel
<table>
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<th>Time</th>
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| 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, Afula, 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, Israel  
²Southern Region, Maccabi Health Services, Beer Sheva, Israel  
³Health Service Research department, Maccabi Health Services, Tel Aviv, Israel  
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 |
| 10:30    | Scholarship & Awards of the Israel Heart Society  
Michel Mirowski Excellence in Cardiology Award  
Richard, Hilda and Ezra Meltzer Memorial Award  
Jan J. Kellerman Young Investigator in Cardiology Award  
Daniel Shiran Outstanding Cardiology Resident Award  
Best Publication Awards  
Outstanding Abstract Award  
Reasearch Grant of the Israel Heart Society  
Scholarship & Awards of the Israel Society of Cardiothoracic Surgery  
Awarding of new Honorary members of the Israel Society of Cardiothoracic surgery:  
Professor Francis Wellens  
Ami Cohen Young Investigators in Cardiac Surgery Awards  
Hanoch Milwidsky Outstanding Cardiac Surgery Resident Award  
ORBOTECH Grant for a Multicenter Study in Cardiac Surgery |
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<tr>
<td>11:10</td>
<td>Joint Session: American College of Cardiology (ACC) – Israel Heart Society (IHS) &lt;br&gt; Chairs: Richard Chazal, American College of Cardiology (ACC) &lt;br&gt; Yoseph Rozenman, IHS Past Immediate President &amp; Governor of the Israeli ACC Chapter</td>
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<tr>
<td>11:10</td>
<td>The Use of Chest Pain Centers to Improve Patient Care, As well as Guidelines Adherence and System Efficiency &lt;br&gt; Richard Chazal &lt;br&gt; USA</td>
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<td>11:30</td>
<td>Stem Cell Research in Cardiology &lt;br&gt; Lior Gepstein &lt;br&gt; Israel</td>
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<td>11:50</td>
<td>Challenges Facing a Female Cardiologist &lt;br&gt; Cindy Grines &lt;br&gt; USA</td>
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<td>12:10</td>
<td>Heart Failure: Current Therapies and New Horizons &lt;br&gt; Mary N. Walsh &lt;br&gt; USA</td>
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<td>12:30-14:30</td>
<td>Lunch &amp; Lunch Sessions, Exhibition &amp; E-Posters Visit</td>
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<td>12:30-14:30</td>
<td>Lunch Session - Sponsored By Pfizer &lt;br&gt; From Rcts and Rwd to Your Own Practical Choices &lt;br&gt; Chairperson: Michael Glikson, President Israel Heart Society, Eli Lev, Israel</td>
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<td>13:00-13:12</td>
<td>NOACs Efficacy in Unique Population &lt;br&gt; Shlomi Matetzky &lt;br&gt; Israel</td>
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<td>13:12-13:24</td>
<td>HOT Bleeding Issues &lt;br&gt; Raphael Rosso &lt;br&gt; Israel</td>
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<td>13:24-13:36</td>
<td>Stretching the Limits of NOACs Management &lt;br&gt; Eli Lev &lt;br&gt; Israel</td>
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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

12:30-14:30  **Lunch Session - Sponsored By Novartis**
EnTRESTo - Redefine Heart Failure Treatment  
*Hall I*

12:30-14:30  **Lunch Session - Sponsored By Bayer**
Xarelto - Confidence from Evidence and Real World Experience
Adempas - From PE to CTEPH  
Chair: Asher Winder M.D., Director, Department of Hematology
Head, Thrombosis and Hemostasis Unit Wolfson Medical Center, Israel  
*Hall J*

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
**WEDNESDAY, APRIL 13, 2016**

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<tr>
<td>14:30-16:00</td>
<td><strong>Plenary IV – Joint Session: American Heart Association (AHA) – IHS</strong></td>
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<td>Chairs: Mark Creager, USA, Ronen Rubinstein, Gil Bolotin, Israel</td>
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<td>14:30</td>
<td><strong>The Crisis of Diabetes and Cardiovascular Disease: Strategies to Improve Cardiovascular Outcomes</strong></td>
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<td>Mark A. Creager</td>
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<td>USA</td>
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<td>14:50</td>
<td><strong>Israeli Innovations in Cardiovascular Medicine: The “Start Up” Nation Ecosystem</strong></td>
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<td>Ran Kornowski</td>
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<td>15:10</td>
<td><strong>Assessing the Mitral Valve: Value of 3D Imaging</strong></td>
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<td>Roberto M. Lang</td>
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<td>15:30</td>
<td><strong>Percutaneous Versus Conventional Aortic and Mitral Valve Interventions: State of the Art, Future Directions and the Role of the Surgeon</strong></td>
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<td>Michael Reardon</td>
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<td>16:00-16:30</td>
<td><strong>Coffee Break, Exhibition &amp; E-posters Visit</strong></td>
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<td>16:30-18:00</td>
<td><strong>Joint Session: The Israel Interventional Cardiology Working Group and the Israel Society of Cardiothoracic Surgery</strong></td>
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<td>Chairs: Gideon Sahar, Abid Assali, Israel</td>
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<td>16:30</td>
<td><strong>Heart Team at Soroka University Medical Center: From Concept to Practice</strong></td>
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<td>Yaron Ishay1, Lior Raichel1, Oren Lev-Ran1, Menachem Matsa1,</td>
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<td>Avshalom Cohen2, Carlos Cafri2, Doron Zagher2, Gideon Sahar1</td>
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<tr>
<td></td>
<td>1The Department of Cardiothoracic Surgery, Soroka University Medical Center, Beer-Sheva, Israel</td>
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<tr>
<td></td>
<td>2The Department of Cardiology, Soroka University Medical Center, Beer-Sheva, Israel</td>
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16:42 Surgical Results of the First Pre-designed “Heart Team” in Israel: One-Year Follow-up
1Cardio-Vascular Division, Poriya Medical Center & Faculty of Medicine, Bar-Ilan University, Tiberias, Israel
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
Zahi Aizer, Rephael Mohr, Dmitry Pevni, Amir Kramer, Nachum Nesher, Yossi Paz, Benjamin Medallion, Yani Ben-Gal
1Department of Cardiothoracic Surgery, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel
2Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel

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 Medallion
1Department of Cardiovascular Surgery, Sourasky Medical Center, Tel Aviv, Israel
2Department 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
Echocardiography: General

16:30-18:00   Echocardiography: General
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 Shimony1,2, Lawrence Rudski2, Andrew Hirsch2, Margaret Beddaoui3, Arash Akaberi3, David Anderson4, Philip S Wells5, Marc Rodger6, Susan Solymoss7, Michael Kovacs8, Carole Dennie9, Chris Rush10, William H Geerts11, Paul Hernandez4, Shawn Aaron5, John T Granton12, Susan Kahn13
1Cardiology, Ben Gurion University, Soroka Medical Center, Israel
2Medicine, Jewish General Hospital, Montreal, QC, Canada
3Center for Clinical Epidemiology, Lady Davis Institute, Montreal, QC, Canada
4Medicine, Dalhousie University, Halifax, NS, Canada
5Medicine, The University of Ottawa, Ottawa, ON, Canada
6Hematology, The University of Ottawa, Ottawa, ON, Canada
7Medicine, McGill University, Montreal, QC, Canada
8Medicine, Hematology, University of Western Ontario, London, ON, Canada
9Diagnostic Imaging, The University of Ottawa, Ottawa, ON, Canada
10Nuclear Medicine, Jewish General Hospital, Montreal, QC, Canada
11Medicine, Sunnybrook Health Sciences Centre, Toronto, ON, Canada
12Medicine, University of Toronto, Toronto, ON, Canada
13Center for Clinical Epidemiology, McGill University, Jewish General Hospital, Montreal, QC, Canada

16:42   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

16:54   A Wireless Frequency Domain Beamforming Based Ultrasound Imaging
Shai Tejman Yarden1, Tanya Chernyakova2, Regev Cohen2, Yonina Eldar2
1Pediatric Cardiology, Sheba Medical Center, Ramat Gan, Israel
2The department of Electrical Engineering, The Technion, Israel Institute of Technology, Haifa, Israel
17:06  Clinical and Echocardiographic Characteristics of Patients in Sinus Rhythm, Normal Left Ventricular Function and Indeterminate Diastolic Function
Matan Shimron¹, Yevgeni Hazanov², Nabeeh Salman², Diab Ghanim², Wadia Kiniy², Offer Amir¹², Shemy Carasso¹²
¹Galilee School of Medicine, Bar-Ilan University, Zefat, Israel
²Cardiovascular institute, B Padeh Medical Center, Poriya, Israel

17:18  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, Soroka University Medical Center, Beer-Sheva, Israel
²Department of Medical Intensive Care, Soroka University Medical Center, Beer-Sheva, Israel
³Clinical Research Center, Soroka University Medical Center, Beer-Sheva, Israel

17:30  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 Kehat¹², Diab Mutlak¹², Yoram Agmon¹²
¹Cardiology, Rambam Medical Center, Haifa, Israel
²Faculty of Medicine, Technion, Haifa, Israel

17:42  Speckle Tracking Imaging Parameters in non Ischemic Stress Echocardiography
Marina Leitman¹², Vladimir Tyomkin¹, Eli Peleg¹², Izhak Zissman, Izhak Zissman¹, Simha Rosenblatt¹, Edgar Sucher¹, Vered Gercenshtein¹, Zvi Vered¹²
¹Department of Cardiology, Assaf Harofeh Medical Center, Israel
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

16:30  Study Of The Wearable Cardioverter Defibrillator in Advanced Heart-Failure Patients (SWIFT)
Alon Barsheshet¹², Valentina Kutyifa², Theodora Vamvouris¹, Arthur J Moss², Yitschak Biton², Leway Chen², Eugene Storozynsky², Chingping Wan², Steve Szymkiewicz³, Ilan Goldenberg²⁴
¹Cardiology, Rabin Medical Center, Petah Tikva, Israel
²Cardiology, University of Rochester Medical Center, Rochester, NY, USA
³Zoll, company, Pittsburgh, PA, USA
⁴Cardiology, Sheba Medical Center, Ramat Gan, Israel
16:42 Potent Inhibition of hERG Channels in a Mammalian Cell Line by the Anti-Diarrheal Agent Loperamide
Mori Krantz¹, Michael Klein², Philip Mehler¹, Naheed Fatima², Thomas Flagg², Mark Haigney²
¹Medicine, University of Colorado, Denver, CO, USA
²Cardiology, USU, Bethesda, MD, USA

16:54 Incidence of Arrhythmia Induced Cardiomyopathy and Predictors for Recovery
Moshe Katz¹, Eyal Nof¹, Amit Meitus², Avi Sabagg¹, Younis Orwa¹, Ilan Goldenberg¹, Robert Klempfner¹, Micha Feinberg¹, Michael Eldar¹, Michael Glikson¹, Roy Beinart¹
¹Cardiology, Sheba Medical Center, Israel
²Medicine, Tel-Aviv University, Israel

17:06 Survival in Patients with Arrhythmia Induced Cardiomyopathy is Similar to Age and Sex-matched Patients with Paroxysmal Atrial Fibrillation
Moshe Katz¹, Eyal Nof¹, Amit Meitus², Avi Sabagg¹, Younis Orwa¹, Ilan Goldenberg¹, Robert Klempfner¹, Micha Feinberg¹, Michael Eldar¹, Michael Glikson¹, Roy Beinart¹
¹Cardiology, Sheba Medical Center, Israel
²Medicine, Tel-Aviv University, Israel

17:18 CHADSVASC Score is Predictive of Mortality in ICD Recipients
Nicholay Teodorovich¹, Yonatan Kogan¹, Hilel Steiner², Mahmoud Suleiman³, Ilan Goldenberg⁴, Moshe Swissa¹
¹Cardiology, Kaplan Hospital, Rehovot, Israel
²Cardiology, Puria Hospital, Tiberias, Israel
³Cardiology, Rambam Hospital, Haifa, Israel
⁴Cardiology, Sheba Hospital, Ramat Gan, Israel

17:30 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

17:42 Real Life Experience of a Syncope Clinic Based on a Neurological and Cardiological Collaboration Model
Mark Kazatsker¹, Sergiu Sabetay², Maguli Barel¹, Avraham Shotan¹, Yaron River²
¹Department of Cardiology, Hillel Yaffe Medical Center, Hadera, Israel
²Department of Neurology, Hillel Yaffe Medical Center, Hadera, Israel
16:30  Adherence with Guidelines for NSTEMI-ACS in the Emergency Department  
Harel Gilutz¹, Sevatlana Shindel², Ilana Shoham-Vardi²  
¹School of Medicine, Faculty of Health Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel  
²Department of public Health, Faculty of Health Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel

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 Lev¹,²,  
Ran Kornowski¹,², Abid Assali¹,²  
¹Cardiology, Rabin Medical Center, Petach Tikva, Israel  
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 Sabag¹, Eyal Nof¹, Doron Zahger²,  
Shaul Atar³, Arthur Pollak⁴, Idit Dobrecky-Mery⁵, Roy Beigel¹,  
Shlomi Matetzky¹, Michael Glikson¹, Roy Beinart¹  
¹Leviev Heart Center, Sheba Medical Center, Tel HaShomer, Ramat Gan, Israel  
²Intensive Cardiac Care Unit, Department of Cardiology, Soroka University Medical Center, Be’er-Sheva, Israel  
³Cardiology Department, Galilee Medical Center, Nahariya, Israel  
⁴Heart Institute, Hadassah-Hebrew University Medical Center, Jerusalem, Israel  
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 Rozenbaum\(^1\), Avishay Elis\(^2,3\), Meital Shlezinger\(^4\), Ilan Goldenberg\(^3,4\),  
Avi Leader\(^5\), Morris Mosseri\(^3,6\), David Pereg\(^3,6\)  
\(^1\)Department of Internal Medicine D, Sourasky Medical Center, Tel Aviv, Israel  
\(^2\)Department of Medicine, Beilinson Hospital, Rabin Medical Center,  
PetachTikva, Israel  
\(^3\)Sackler Faculty of Medicine, Tel-Aviv University, Tel Aviv, Israel  
\(^4\)Department of Cardiology, Sheba Medical Center, Tel Hashomer, Tel  
Hashomer, Israel  
\(^5\)Department of Internal Medicine A, Meir Medical Center, Kfar Saba, Israel  
\(^6\)Department 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**  
Itzhak Vitkon Barkay\(^1\), Zipora Lazarovich\(^4\), Dror Marchaim\(^3,3\), Oran Tzuman\(^1\),  
Chana Richter\(^3\), Zvi Vered\(^1,3\), Sa’ar Minha\(^1,3\)  
\(^1\)Cardiology, Assaf-Harofeh Medical Center, Be’er Ya’akov, Israel  
\(^2\)Infectious Diseases Control Unit, Assaf-Harofeh Medical Center, Be’er Ya’akov, Israel  
\(^3\)Sackler School of Medicine, Tel-Aviv University, Ramat-Aviv, Israel  
\(^4\)Microbiological laboratory, Assaf-Harofeh Medical Center, Be’er Ya’akov, Israel
16:30  Colony Forming Unites - 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 Abend¹, Omer Shkedi¹, Michal Fertouk¹², Lilac Caspi¹, Izhak Kehat¹³
¹The Rappaport Institute and the Bruce Rappaport Faculty of Medicine, Technion - Israel Institute of Technology, Haifa, Israel
²Department of Cardiac Surgery, Rambam Medical Center, Haifa, Israel
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
¹Cardiology, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel
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 Pavlov¹, Michal Horowitz², Amir Landesberg¹
¹Faculty of Biomedical Engineering, Technion IIT, Haifa, Israel
²Faculty of Medicine, Hebrew University, Jerusalem, Israel
The Effect of Vitamin D on Endothelial Progenitor Cells Function in Healthy Subjects and Patients with Diabetes Mellitus
Yoav Hammer\textsuperscript{1,2}, Alisa Sudri\textsuperscript{2}, Yeela Talmor\textsuperscript{1,2}, Dorit Leshem-Lev\textsuperscript{1,2}, Ran Kornowski\textsuperscript{1,2}, Eli Lev\textsuperscript{1,2}
\textsuperscript{1}Cardiology division, Rabin Medical Center-Beilinson Campus, Israel
\textsuperscript{2}Felsenstein Medical Research Center, Rabin Medical Center-Beilinson Campus, Israel

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

Women in Cardiology
Hall 3
Chairs: Avital Porter, Israel, Mary N. Walsh, USA

Women in Cardiology in the 21\textsuperscript{st} Century
Cindy Grines
USA

Women's Career in Cardiovascular Research
Eloisa Arbustini
Italy

Among Heart Failure Patients Women Fare Better than Men
Avishay Grupper\textsuperscript{1}, Ofra Kalter-Leibovici\textsuperscript{2}, Havi Murad\textsuperscript{2}, Michal Benderly\textsuperscript{2}, Laurence Freedman\textsuperscript{2}, Arnona Ziv\textsuperscript{2}, 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, Israel
\textsuperscript{2}Epidemiology & Health Policy Research, The Gertner Institute, Ramat Gan, Israel
\textsuperscript{3}Maccabi Health Services, Maccabi Health Services, Tel Aviv, Israel

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 Shimony, Hatim Al Lawati, Akshay Bagai, Hassan Behlouli, Mark Eisenberg, Derek So, Igor Karp, Louise Pilote, Asim N. Cheema, GENESIS PRAXY TEAM.
1Cardiology, Jewish General Hospital, Montreal, QC, Canada
2Cardiology, Ben Gurion University, Soroka Medical Center, Beer-Sheva, Israel
3Cardiology, St. Michael’s Hospital, Toronto, ON, Canada
4Ottawa Heart Institute, Ottawa Heart Institute, Ottawa, ON, Canada
5Clinical Epidemiology, McGill University Health Center, Montreal, QC, Canada

17:36 Endothelial Function Tests Among Women Referred for the Heart Clinic: A Glance to Women’s Specific Risk Factors
Avital Porter, Zaza Iakobishvilli, 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

16:30 Anthropometric Assessment of Neck Adipose Tissue Volume and its Association with Cardiovascular Risk
1Department of Cardiology, Assaf-Harofeh Medical Center, Zerifin, Israel
2Department of Radiology, Assaf-Harofeh Medical Center, Zerifin, Israel
3Sackler School of Medicine, Tel Aviv University, Ramat-Aviv, Israel

16:42 CHADS-VASC Score and the Risk of New Onset Atrial Fibrillation among Middle Age Adults
Anat Berkovitch, Avi Sabbag, Shlomo Segev, Shaye Kivity, Yechezkel Sidi, Ilan Goldenberg, Elad Maor.
1Department of Internal Medicine D, the Chaim Sheba Medical Center, Tel Hashomer, Israel
2Leviev Heart Center, the Chaim Sheba Medical Center, Tel Hashomer, Israel
3Institute for Medical Screening, the Chaim Sheba Medical Center, Tel Hashomer, Israel
4Department of Internal Medicine C, the Chaim Sheba Medical Center, Tel Hashomer, Israel
5Pinchas Borenstein Talpiot Medical Leadership Program, the Chaim Sheba Medical Center, Tel Hashomer, Israel
16:54  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

17:06  The Predictive Value of Serum 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

17:18  Long-term Exposure to Traffic-related Air Pollution and Cancer Risk Among Survivors of Myocardial Infarction: a 20-year Follow-up Study
Gali Cohen, Ilan Levy, David M. Broday, Jeremy D. Kark, Noam Levin, Yuval, David M. Steinberg, Yariv Gerber
1Dept. of Epidemiology and Preventive Medicine, School of Public Health, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
2Technion Center of Excellence in Exposure Science and Environmental Health, Technion Israel Institute of Technology, Haifa, Israel
3Epidemiology Unit, Braun School of Public Health and Community Medicine, Hebrew University and Hadassah Medical Organization, Jerusalem, Israel
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

17:30  Arab and non-Arab Coronary Artery Disease Patients: Comparing Risk Factors; the Smoking Mirrors of Ethnicity
Fabio Kusniec, Offer Amir, Diab Ghanim, Abbed-al-Wahab Darawshe, Dahud Qarawani, David Meerkin, Nabeel Salman, Khaled Taha, Shemy Carasso
1Cardiovascular institute, B Padeh Medical Center, Poriya, Israel
2Galilee School of Medicine, Bar-Ilan University, Zefat, Israel

17:42  The Influence of a Normal Myocardial Perfusion SPECT on Prescription of Preventive Cardiovascular Medications and Patients’ Adherence
Aryeh Shaley, Noga Michnovsky, Arik Wolak, Victor Novack, Ronen Toledano, Yaakov Henkin
1Cardiology Department, Soroka University Medical Center, Be’er Sheva, Israel
2Faculty of Health Sciences, The Joyce & Irving Goldman Medical School, Ben Gurion University of The Negev, Be’er Sheva, Israel
3Cardiac Imaging Unit, Cardiology Department, Sha’are Zedek Medical Center, Jerusalem, Israel
4Clinical Research Center, Soroka University Medical Center, Ben Gurion University of The Negev, Be’er Sheva, Israel, Israel
## Pediatric Cardiology/ Adult congenital

1. Clinical and Parental Status of Patients with Congenital Heart Disease Associated Pulmonary Arterial Hypertension  
   Amiram Nir  
   *Pediatric Cardiology, Hadassah, Hebrew University Medical Center, Jerusalem, Israel*

2. Approach to Hemangiomatosis Causing Congestive Heart Failure  
   Roie Tal, Avraham Lorber  
   *Pediatric Cardiology, Rappaport Children’s Hospital, Rambam Medical Center, Haifa, Israel*

### Interventional Cardiology

3. STEMI Due to Stent Thrombosis and Pain to Door Time: A Beneficial Association  
   Avshalom Cohen¹, Yigal Plakht², Harel Gilutz³, Doron Zahger¹, Carlos Cafri¹  
   ¹Cardiology, Soroka University Medical Center, Beer-Sheva, Israel, Israel  
   ²Faculty Of Healt Science Ben-Gurion University, Soroka University Medical Center, Beer-Sheeva, Israel

4. The Influence of Demographic Factors on the Pain to Door Time in ST Elevation Myocardial Infarction  
   Avshalom Cohen¹, Yigal Plakht², Harel Gilutz³, Doron Zahger¹, Carlos Cafri¹  
   ¹Cardiology, Soroka University Medical Center, Beer-Sheva, Israel  
   ²Faculty Of Healt Science Ben-Gurion University, Soroka University Medical Center, Beer-Sheeva, Israel

5. Comparison of Imaging Techniques to Assess Appendage Anatomy and Measurements of Left Atrial Appendage  
   Ehud Chorin¹, Yuval Levy¹, Sebastiano Gili², Matteo Anselmino², Martin Swaans³, Galit Aviram⁴, Dov Wexler¹, Simon Biner¹, Amir Halkin¹, Sami Viskin⁴, Raphael Rosso¹  
   ¹Cardiology, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel  
   ²Life Sciences, Università degli Studi di Torino, Italy  
   ³Cardiology, St. Antonius Hospital, Nieuwegein, Netherlands  
   ⁴Radiology, Tel Aviv Sourasky Medical Center, Israel

6. Long balloon, Long Shaft for SFA Intervention Using Trans Radial Aproach  
   Yoav Turgeman, Doron Sudarsky, Menachem Nahir, Alexander Feldman  
   Heart Institute, HaEmek Medical Center, Rappaport School of Medicine, Afula, Israel
7. Long-Term Follow-Up of Patients with an Initially Normal Coronary Angiogram or Minimal Atherosclerosis at Baseline
Joerg Carlsson¹, Antonia Breyne¹, Lars Brudin², Bo Lagerqvist³
¹Dept. of Cardiology, Kalmar County Hospital, Sweden
²Dept. of Clinical Physiology, Kalmar County Hospital, Sweden
³National Registry Research, Uppsala Clinical Research Center, Sweden

8. Safety and Efficacy of Drug-eluting Stents in Bifurcation Lesions in Patients with Acute Myocardial Infarction
Gabriel Greenberg, Ran Kornowski, Hanna Vaknin-Assa, Tamir Bental, Eli I. Lev, Abid Assali
Department of Cardiology, Rabin Medical Center, Petach-Tikva, Israel

9. Transcatheter Aortic Valve Implantation: Clinical Results and Long-term Outcome
Uri Landes¹, Abid Assali¹, Hanna Vaknin-Assa¹, Katia Orvin¹, Amos Levi¹, Ram Sharoni², Yaron Shapira¹, Tamir Bental¹, Gabriel Greenberg¹, Ashraf Hamdan¹, Ariel Gutstein¹, Alexander Sagie¹, Ran Kornowski¹
¹Department of Cardiology, Rabin Medical Center, Tel Aviv, Israel
²Department of Cardiac Surgery, Rabin Medical Center, Tel Aviv, Israel

10. Early Clinical Experience with the InSeal Vascular Closure Device
Ran Kornowski, Katia Orvin, Hana Vaknin-Assa, Abid Assali
Interventional Cardiology, Rabin Medical Center, Petach Tikva, Israel

11. Renal Artery Denervation for Resistant Hypertension, Including Patients with Chronic Kidney Disease: A Long-term Follow-up
Diab Ghanim, Tamer Sobeh
Cardiology, Baroch Padeh Medical Center, Poriya, Israel

12. Treatment of Non-compressible Pelvic Bleeding with Endovascular Aortic Balloon Occlusion in the Pre-hospital Setting: the Next Frontier in Combat Potentially Preventable Death
David Planer, Matan Golan, Yaacov Samet
Heart Institute, Hadassah Medical Center, Jerusalem, N/A, Israel

13. Reduction of Radiation Hazard in the Catheterization Laboratory
Nemer Samniah², Hatem Omari², Alla Lubovich¹,², Ehod Goldhammer¹,², Uri Rosenschein¹,²
¹Faculty of Medicine, Technion, Haifa, Israel
²Cardiology, Bnai-Zion Medical Center, Haifa, Israel
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Yoav Turgeman, Menachem Nahir, Ehud Rozner, Doron Sudarsky  
*Heart Institute, HaEmek Medical Center, Rappaport School of Medicine, Afula, Israel* |
| **15.** Prognostic Role of Neutrophil / Lymphocyte Ratio after Transfemoral Aortic Valve Implantation  
Ehud Chorin, Ariel Finkelstein, Shmuel Banai, Amir Halkin, Itzhak Herz, Yigal Abramowitz, Yacov Shacham, Jeremy Ben-Shoshan, Gad Keren, Yaron Arbel  
*Cardiology, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel* |
| **16.** Pre-counselling and Quality Assurance for Cardiac Catheterization – Experience of Maccabi Healthcare Services  
Yitzhak Abend, Yitzhak Katzir, Abraham Caspi, Oded Ayzenberg  
*Mediacal Division, Maccabi Healthcare Services, Israel* |
| **17.** Acute Kidney Injury after Primary Angioplasty: Is Contrast Induced Nephropathy the Culprit?  
Oren Caspi¹², Manhal Habib¹², Jennifer Le’or Fathy², Arthur Kerner¹², Ariel Roguin¹², Eitan Abergel¹², Monther Boulos¹², Robert Dragu¹², Michael R. Kapeliovich¹², Rafael Beyar¹², Eugenia Nikolsky¹², Doron Aronson¹²  
¹Cardiology, Rambam Health Care Campus, Haifa, Israel  
²The Bruce Rapport Faculty of Medicine, The Technion- Israel Institute of technology, Haifa, Israel |
| **18.** The Impact of Radial Access in the Reduction of Bleeding in Patients with Acute Coronary Syndrome: Comparison between Two Israeli Surveys  
Gabby Elbaz-Greener¹⁴, Eran Kalmanovich¹⁴, Roy Beigel²⁴, Zaza Iakobishvili³⁴, Meital Shlezinger³, Nir Shlomo, Ilan Goldenberg²⁴, Zvi Vered¹⁴, Alex Blatt¹⁴  
¹Department of Cardiology, Assaf Harofeh Medical Center, Zerifin, Israel  
²The Heart Center, Chaim Sheba Medical Center, Tel HaShomer, Israel  
³The Heart Institute, Rabin Medical Center, Petach-Tikva, Israel  
⁴Sackler School of Medicine, Tel Aviv University, Israel |
19. Transcatheter Aortic Valve Implantation in Patients with Previous Malignancy

Anat Berkovitch, Victor Guetta, Israel Barbash, Noam Fink, Ehud Regev, Elad Maor, Rafael Kuperstein, Ehud Raanani, Amjad Shalabi, Shlomo Matetzky, Dan Elian, Micha Feinberg, Elad Asher, Amit Segev, Paul Fefer

1 Leviev Heart Center, Sheba Medical Center, Israel
2 Department of Internal Medicine D, Sheba Medical Center, Israel
3 Pinchas Borenstein Talpiot Medical Leadership Program, Sheba Medical Center, Israel
4 Cardiac Surgery, Sheba Medical Center, Israel
5 Sackler School of Medicine, Tel-Aviv University, Israel

20. The Effects of Hyperlipidemia and Lipid Levels on Coronary Flow, Microcirculation and Left Ventricular Systolic Function in Patients with Acute STEMI Undergoing Primary Coronary Intervention

Dawod Sharif, Ziad Arow, Amal Sharif-Rasslan, Yasmin Sharif, Uri Rosenschein

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

21. Clinical Triggering of ST-segment Elevation Myocardial Infarction: Correlation with Coronary Artery Disease Extent

Jeremy Ben-Shoshan, Yafit Segman-Rosenstveig, Yaron Arbel, Ehud Chorin, Michael Barkagan, Zach Rozenboim, Yoav Granot, Ariel Finkelstein, Shmuel Banai, Gad Keren, Yacov Shacham

1 Cardiology, Tel-Aviv Medical Center, Israel
2 Internal Medicine F, Tel-Aviv Medical Center, Israel
3 Internal Medicine D, Tel-Aviv Medical Center, Israel

22. Gender Differences of CT Measurements in Patients Undergoing Transcatheter Aortic Valve Implantation: Influence on Long-Term Clinical Outcomes

Ella Shaviv, Israel Barbash, Victor Guetta, Ehud Schwammenthal, Amit Segev, Paul Fefer, Orly Goitein, Eli Konen, Ashraf Hamdan

1 Department of Cardiology, Sheba Medical Center
2 Department of Cardiology, Rabin Medical Center
3 Diagnostic Imaging, Sheba Medical Center, Israel
23. Transcatheter Aortic Valve Implantation in Patients with Large Annulus
Anat Berkovitch\textsuperscript{1,3}, Paul Fefer\textsuperscript{1,3}, Israel Barbash\textsuperscript{1,3}, Noam Fink\textsuperscript{1,3},
Ehud Regev\textsuperscript{1,3}, Elad Asher\textsuperscript{1,3}, Sagit Ben-Zekry\textsuperscript{1,3}, Shlomo Matetzky\textsuperscript{1,3},
Dan Elian\textsuperscript{1,3}, Orly Goitein\textsuperscript{1,3}, Yafim Brodov\textsuperscript{1,2,3}, Micha Feinberg\textsuperscript{1,3},
Victor Guetta\textsuperscript{1,3}, Amit Segev\textsuperscript{1,3}
\textsuperscript{1}Leviev Heart Center, Sheba Medical Center, Israel
\textsuperscript{2}Diagnostic Imaging, Sheba Medical Center, Israel
\textsuperscript{3}Sackler School of Medicine, Tel-Aviv University, Israel

24. Acute Myocarditis, a Single Center Experience
Mahmod Hammoud, Idit Dobrecky Mery, Dobrecky Mery Idit,
Uri Rosenschein
Cardiology, Bnai-Zion Medical Center, the Bruce Rappaport Faculty of Medicine, Technion-Israeli Institute of Technology, Haifa, Israel

25. Non Compaction Cardiomyopathy (NCCM), an Underdiagnosed Disorder?
Isis Abomouch\textsuperscript{1}, Dawood Sharif\textsuperscript{1,2}, Idit Dobrecky - Mery\textsuperscript{1,2},
Ehud Goldhammer\textsuperscript{1,2}, Uri Rosenschein\textsuperscript{1,2}
\textsuperscript{1}Cardiology, Bnai Zion Medical Center, Haifa, Israel
\textsuperscript{2}Medicine, Tecnion High Institute of Technology, Haifa, Israel

26. Outcomes of Contemporary Continuous Flow Left Ventricular Assist Device Support in Patients with End Stage Heart Failure: A Single Center Experience
Daniel Murninkas\textsuperscript{1}, Binyamin Ben Avraham\textsuperscript{1}, Israel Mats\textsuperscript{1}, Hasin Tal\textsuperscript{1},
Victor Rubchevsky\textsuperscript{2}, Miriam Abuhazira\textsuperscript{2}, Dimitry Golubov\textsuperscript{2}, Viki Yaari\textsuperscript{1},
Benjamin Medalion\textsuperscript{2}, Ran Kornowski\textsuperscript{1}, Ben Gal Tuvia\textsuperscript{1}, Dan Aravot\textsuperscript{4},
Dan Aravot\textsuperscript{2}, Tuvia Ben Gal\textsuperscript{1}
\textsuperscript{1}Cardiology Department, Rabin Medical Center, Petah Tikva, Israel
\textsuperscript{2}Cardiothoracic Surgery, Rabin Medical Center, Petah Tikva, Israel
\textsuperscript{3}Cardiology Department, Shaare Zedek Medical Center, Jerusalem, Israel
\textsuperscript{4}Cardiothoracic Surgery, Rabin Medical Center, Petah Tikva, Israel

27. Evaluation of Left and Right Ventricular Function Using 2D Strain Imaging in Patients with Cardiac Amyloidosis
Anna Turyan, Sara Hoss, Ronen Beeri, David Leibowitz, Sarit Dvir,
Doris Yossian, Chaim Lotan, Arthur Pollak
Department of Cardiology, Hadassah Medical Center, Jerusalem, Israel
28. **Adverse Events During the First Year on Continuous flow LVAD Support: The Rabin Medical Center Experience**  
Benyamin Ben Avraham¹, Daniel Murninkas¹, Israel Mats¹, Tal Hassin¹,  
Alon Barsheshet¹, Merav Ben Avraham², Benjamin Medalion¹, Dan Aravot¹,  
Ran Kornowsky¹, Tuvia Ben Gal¹  
¹Cardiology, RMC, Israel  
²Family Care, Maccabi Health Services, Israel

29. **Percutaneous Mitral Valve Repair for Mitral Regurgitation: the Initial Kaplan Medical Center Experience**  
Liaz Zilberman, Gera Gendelman, Irina Fugenfirov, Sara Shimoni,  
Jacob George, Sorel Goland  
Heart Institute, Kaplan Medical Center, Rehovot, Israel

30. **Improvement in Functional Mitral Regurgitation after Coronary Catheterization with and Without Percutaneous Coronary Intervention**  
Tal Hasin, David Rosenmann, Tatyana Weitsman, Rivka Farkash,  
Adi Butnaru, Liat Alper-Suissa, Zahi Khouri, Marc Klutstein, Giora Weisz  
Cardiology, Shaare Zedek Medical Center, Jerusalem, Israel

31. **Obstructive Sleep Apnea in Continuous Flow LVAD Supported Patients: Incidence and therapeutic implications**  
Daniel Murninkas¹, Binyamin Ben Avraham¹, Israel Mats¹, Tal Hassin¹,  
Victor Rubchevsky², Miriam Abuhazira², Dimitry Golubov², Viki Yaari¹,  
Yulia Zusman¹, Benjamin Medalion², Ran Kornowsky¹, Dan Aravot²,  
Tuvia Ben Gal¹  
¹Cardiology, Rabin Medical Center, Petach Tikva, Israel  
²Cardiac Surgery, Rabin Medical Center, Petach Tikva, Israel

32. **The Cardiopulmonary Vascular System and the Ventilatory Reflex; Scientific Merits and Clinical Implications**  
Anna Faingersh-Klebanov, Amir Landesberg  
Faculty of Biomedical Engineering, Technion - IIT, Haifa, Israel

33. **Carbon Monoxide Poisoning in Young Healthy Patient: Case Study of Heart Failure Recovery after Hyperbaric Oxygenation Treatment**  
Michael Kuniavsky¹,²,³, Marina Laitman², Yair Bechor¹, Shaj Efrati¹  
¹Hyperbaric Oxygenation Clinic, Assaf Harofeh Medical Center, Beer Jaacov, Israel  
²Cardiology, Assaf Harofeh Medical Center, Beer Jaacov, Israel  
³ICU, Assaf Harofeh Medical Center, Beer Jaacov, Israel
34. **Factors Associated with Adverse Outcomes in Ambulatory Heart Failure Patients**  
Ilan Richter1, Tal Hasin2, Tamir Bental3, Tuvia Ben Gal3, Ran Kornowski3, Yariv Gerber1  
1Department of Epidemiology and Preventive Medicine, Tel Aviv University School of Public Health, Tel Aviv, Israel  
2Cardiology Department, Shaare Tzedek Medical Center, Jerusalem, Israel  
3Cardiology Department, Rabin Medical Center, affiliated to the Sacker Faculty of Medicine, Tel Aviv University, Petah Tikva, Israel

35. **Exercise Training after Cardiac Resynchronization Therapy (CRT)**  
Eugeny Radzishevsky1,2,3, Ehud Goldhammer1,2,3, Nemer Samniah3,  
Idit Dobrecky-Mery1,2,3, Uri Rosenschein1,2,3  
1Faculty of Medicine, Technion, Haifa, Israel  
2Cardiology, Bnai Zion Medical Center, Haifa  
3Cardiology, Bnai Zion Medical Center, Haifa, Israel

36. **Admission Blood Glucose and Long Term (10-year) Mortality among Patients Hospitalized with Heart Failure**  
Osnat Itzhaki Ben Zadok1, Ran Kornowski2, Ilan Goldenberg3,  
Robert Klempfner3, Yitschak Biton3, Gregory Golovchiner2,  
Ehud Kadmon2, Alexander Omelchenko2, Tuvia Ben Gal2, Boris Strassberg2,  
Alon Barsheshet2  
1Internal Medicine A, Rabin Medical Center, Petah-Tikva, Israel  
2Department of Cardiology, Rabin Medical Center, Petah-Tikva, Israel  
3Heart institute, Sheba Medical Center, Tel-Hashomer, Israel

37. **Treatment Seeking Delay Among Latina and Non-latina Women with Acute Myocardial Infarction**  
Mori Krantz1,4,5, Bonnie Leeman-Castillo2, Kitty Corbett1, John Westfall5,  
Susan Dreisbach5, Philip Mehler4,5  
1Behavioral Health, University of Waterloo, Ontario, Canada  
2Health Research and Policy, Kaiser Permanente, Denver, Colorado, USA  
3Cardiology, Denver Health, Denver, Colorado, USA  
4Medicine, University of Colorado, USA  
5Medicine, University of Colorado, Denver, Colorado, USA

38. **Diagnostic Testing for Suspected Myocarditis: the “Real World” Practice**  
Eugeny Radzishevsky1,2, Ehud Goldhammer1,2, Idit Dobrecky-Mery1,2,  
Uri Rosenschein1,2  
1Cardiology department, Bnai Zion Medical Center, Haifa, Israel  
2Technion, Faculty of Medicine, Haifa, Israel
39. Cardiomyopathy Associated with Trace-Element Deficiency Post Bariatric-Surgery
Malka Yahalom1, Ofir Koren1, Ehud Rozner1, Yoav Turgeman1,2
1Heart Institute, Ha’emek Medical Center, Afula, Israel
2Rappaport School of Medicine, Technion, Haifa, Israel

Pacing and Electrophysiology

40. Long-term Prognosis of Prior and New-Onset Atrial Fibrillation in ST-Elevation Myocardial Infarction Patients Undergoing Percutaneous Coronary Intervention
Guy Topaz, Nir Flint, Arie Steinvil, Arik Finkelstein, Shmuel Banai, Gad Keren, Yaco Shacham, Lior Yankelson
Cardiology, Tel-Aviv Sourasky Medical Center and Sackler-School of Medicine, Tel Aviv University, Israel

Intensive Care

41. Effects of C-reactive Protein Level at Admission on Coronary Flow, Microcirculation and Left Ventricular Systolic Function in Patients with Acute STEMI Undergoing Primary Coronary Intervention
Dawod Sharif1,2, Emad Khoury2, Amal Sharif-Rasslan3, Yasmin Sharif4, Uri Rosenschein1,2
1Cardiology, Bnai Zion Medical Center, Haifa, Israel
2Medicine, Technion Israel Institute of Technology, Haifa, Israel
3Science and Technology, Technion Israel Institute of Technology, Haifa, Israel

42. The Effect of Renal Function on the Treatment and Outcome of Patients with Acute Coronary Syndrome
Zach Rozenbaum1, Sydney Benchetrit5, Mony Shuval2,3, Yoram Neuman4,5, Meital Shlezinger6, Ilan Goldenberg5,6, Morris Mosseri4,5, David Pereg1,5
1Department of Internal Medicine D, Sourasky Medical Center, Tel Aviv, Israel
2Department of Nephrology and Hypertension, Meir Medical Center, Kfar Saba, Israel
3Heart Institute, Hadassah Hebrew University Medical Center, Jerusalem, Israel
4Department of Cardiology, Meir Medical Center, Kfar Saba, Israel
5Sackler Faculty of Medicine, Tel-Aviv University, Tel Aviv, Israel
6Department of Cardiology, Sheba Medical Center, Tel Hashomer, Israel
43. The Association of Desalinated Drinking Water and All-cause Mortality in Hospitalized Patients with Acute Myocardial Infarction from the Acute Coronary Syndrome Israeli Survey 2002-2013
Meital Shlezinger, Michael Shechter¹, Ilan Goldenberg¹, Yona Amitai²
¹Cardiology, Leviev Heart Center, Chaim Sheba Medical Center, Ramat-Gan, Israel
²Management, Bar Ilan University, Ramat-Gan, Israel

44. Read-back Improvement in Intensive Care Units – Cooperation for Sake of Patient Safety and Quality Improvement
Michael Kuniavsky, Inbal Gazit, Orna Tal
Quality Assurance Unit, Assaf HaRoehe Medical Center, Beer Jaacov, Israel

45. Fading Echoes of The Past – The Changing face of Intensive Cardiac Care Units
Israel Mazin¹, Elad Asher¹, Paul Fefer², Nitza Levi¹, Roy Beigel¹, Shlomi Matetzky¹
¹Intensive Cardiac Care Unit (ICCU), Sheba Medical Center, Israel
²Invasive Cardiology Unit, Sheba Medical Center, Israel

46. Evaluation and Treatment of Acute Ischemic Stroke in Cardiac Care Unit – 5 years’ Experience
Menachem Nahir¹, Ehud Rosner¹, Tzafrir Or¹, Doron Sudarsky¹, Muachamad Jabarin³, Yoav Turgeman¹,²
¹Cardiology, Ha’emek Medical Center, Afula, Israel
²Rappaport Medical Schoo, Technion, Haifa, Israel
³Cardiology, Ha’emek Medical Center, Afula, Israel

47. The “Burden” of Transcatheter Aortic Valve Implantation Patients Admitted to the Intesive Coronary Care Unit
Elad Asher, Roy Beigel, Israel Barbash, Victor Guetta, Amit Segev, Paul Fefer, Dan Elian, Israel Mazin, Shlomi Matetzky
Leviev Heart Center, Sheba Medical Center, Ramat-Gan, Israel

48. Improved Long-term Survival in the Patients with Prolonged Intensive Care Unit Stay Stay After Cardiac Surgery: Influence of Quality Improvement program
Alexander Kogan¹,², Leonid Sternik¹,², Jacob Lavee¹,², Alexander Lipey¹,², Amjad Shalabi¹,², Ygal Kasiff¹,², Ido Firstenfeld¹,², Shany Levin¹,², Ehud Raanani¹,²
¹Department of Cardiac Surgery, Sheba Medical Center, Tel Hashomer, Ramat Gan, Israel
²Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel
49. Characteristics of Transient ST-Elevation versus ST-Elevation and Non-ST-Elevation Myocardial Infarction
David S. Blondheim, Michael Shochat, Aaron Frimerman, Aya Asif, Mark Kazatsker, Lubov Vassilenko, Elena Neiman, Rami Abu Fane, Maguli Barel, Yaniv Levy, Avraham Shotan, Simcha R. Meisel
Department of Cardiology, Hillel Yaffe Medical Center, Hadera, Israel

50. Clinical Sonar is Warranted in the Area of Big Data for Management of Acute Coronary Syndromes
Harel Gilutz1,2, Sevatlana Shindel1, Ilana Shoham-Vardi1
1School of Medicine, Faculty of Health Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel
2Department of public Health, Faculty of Health Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel

51. Cardiac Rupture – What Changed During the Last Years?
Marina Leitman1,2, Ludmila Tsatskin1,2, Alberto Hendler1,2, Alex Blatt1,2, Eli Peleg1,2, Zvi Vered1,2
1Department of Cardiology, Assaf Harofeh Medical Center, Israel
2Sackler School of Medicine, Tel Aviv University, Israel

52. The Impact of Admission Pathway and Reperfusion Modality on Long-term Mortality in STEMI patients
Simcha Meisel, Michael Shochat, Aaron Frimerman, Luba Vassilenko, Rami Abu Fane, Aya Asif, Mark Kazatsker, David S Blondheim, Avraham Shotan
Heart Institute, Hillel Yaffe Medical Center, Hadera, Israel

53. Blind Date without GRACE
Harel Gilutz1, Sevatlana Shindel2, Ilana Shoham-Vardi2
1School of Medicine, Faculty of Health Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel
2Department of public Health, Faculty of Health Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel

54. Incidence of Pressure Ulcers due to Tube Fixation in Mechanically Ventilated Patients in Intensive Care Unit
Michael Kuniavsky1,2,3, Evgeni Vilenchik1, Elina Lubenets1
1ICU, Assaf Harofeh Medical Center, Beer Jaacov, Israel
2Quality Assurance Unit, Assaf Harofeh Medical Center, Beer Jaacov, Israel
3Faculty of Medicine, The Hebrew University School of Public Health and Community Medicine, Jerusalem, Israel
Basic Science

55. Downregulation of Cardiac Erythropoietin Receptor and its Downstream Activated Signal Transducer Phospho STAT-5 in a Rat Model of Chronic Kidney Disease
Rami Barashi1, Einat Hertzberg-Bigelman1,2, Ran Levy1, Jeremy Ben-Shoshan1,2, Gad Keren1,2, Michal Entin-Meer1,2
1The Laboratory of Cardiovascular Research, Department of Cardiology, Sourasky Medical Center, Tel Aviv, Israel
2Sackler School of Medicine, Tel-Aviv University, Tel Aviv, Israel

56. Immunogenicity of Cardiomyocytes Derived from Induced Pluripotent Stem Cells
Katya Kovalev1, Limor Zwi-Dantsis1, Rostik Gorbatov1, Maty Tzukerman2, Lior Gepstein1
1Sohnis Family Research Laboratory for Cardiac Electrophysiology and Regenerative Medicine, Bruce Rappaport faculty of Medicine, Technion- Israel Institute of Technology, Haifa, Israel
2Molecular medicine laboratory, Bruce Rappaport faculty of Medicine, Technion- Israel Institute of Technology, Haifa, Israel

57. Loss of Macrophage-Wnt Signaling Improves Remodeling and Function after MI in Mice
Dahlia Palevski1, David Kain1, La-Paz Levin-Kotler1, Natalie Landa1, Tammy Ben-Mordechai1, Tal Konfino1, Nili Naftali-Shani1, Natali Molotski1, Richard A. Lang2, Jonathan Leor1
1Tamman Cardiovascular Research Institute, Leviev Heart Center, Sheba Medical Center, Sheba Center for Regenerative Medicine, Stem Cells and Tissue Engineering, Tel-Hashomer, Israel
2The Visual Systems Group Divisions of Pediatric Ophthalmology and Developmental Biology, Cincinnati Children's Hospital Medical Center Research Foundation, Cincinnati, OH, USA

58. Histone Deacetylase Inhibitor An7 Increases Survival and May Attenuate Lıv Dilatation in Mice with Chronic Volume Overload
Lena Cohen1,3, Michal Entin-Meer1,3, Ada Raphaeli2, Natali Tarasenko2, Einat Hertzberg-Bigelman1,3, Gad Keren1,3
1Department of Cardiology, The Laboratory of Cardiovascular Research, Tel-Aviv Sourasky Medical Center, Tel Aviv, Israel
2Beilinson Campus, Felsenstein Medical Research Center, Petach Tikva, Israel
3Physiology and Pharmacology, Sackler Faculty of Medicine, Tel Aviv, Israel
59. **Effects of Colchicine on Apoptotic Cell Death of Cardiomyocytes**
   Gilad Margolis\(^1,2\), Einat Hertzberg-Bigelman\(^2,3\), Ran Levy\(^3\), Jeremy Ben-Shoshan\(^1,2,3\), Gad Keren\(^1,2,3\), Michal Entin-Meer\(^2,3\)
   \(^1\)Department of Cardiology, Tel-Aviv Sourasky Medical Center, Tel-Aviv, Israel
   \(^2\)Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv, Israel
   \(^3\)The Laboratory of Cardiovascular Research, Department of Cardiology, Tel-Aviv Sourasky Medical Center, Tel-Aviv, Israel

60. **Double Anti Platelet Therapy and Cytokine Status after Coronary Revascularization**
   Rawan Salman, V.I. Ruzov, L.G. Komarova, E.N. Altynbayeva, L.T. Nizamova, A Salmin
   University, U’lyanovsk state, Ulyanovsk, Russia

61. **Targeting E-Selectin Impairs Cardiac Function After Myocardial Infarction**
   Osnat Cohen-Rosenboim\(^1,2\), David Kain\(^1,2\), Uri Amit\(^1,2\), Tammy Ben-Mordehai\(^1\), Natali Landa\(^1\), Dalia Tyomkin\(^3\), Ayelet David\(^1\), Jonathan Leor\(^1,2\)
   \(^1\)Sheba Medical Center, Tamman Cardiovascular Research Institute, Ramat Gan, Israel
   \(^2\)Tel-Aviv University, Neufeld Cardiac Research Institute, Tel-Aviv, Israel
   \(^3\)Department of Clinical Biochemistry and Pharmacology, Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer sheva, Israel

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**Rehabilitation, Epidemiology, Prevention and Risk Factors/ Pharmacotherapy**

62. **Characteristics and Long-Term Prognosis of Holocaust Survivors Presenting with Acute Myocardial Infarction**
   Arthur Shiyovich\(^1\), Ygal Plakht\(^2\), Katya Belinski\(^2\), Harel Gilutz\(^2\)
   \(^1\)Internal Medicine E, Rabin Medical Center, Beilinson Hospital, Petah-Tikva, Israel
   \(^2\)Faculty of Health Sciences, Soroka University Medical Center and Ben-Gurion University of the Negev, Beer-Sheva, Israel

63. **What can we Learn from Comparing Genetic from Non Genetic Hyperlipidemia?**
   Ronen Durst
   Cardiology, Hadassah Hebrew University Medical Center, Jerusalem, Israel
64. **Cardiovascular Disease Knowledge, Physician Communication and Health Information Sources in Ultra-orthodox Hasidic Jewish Women**

Elisheva Leiter¹, Keren Greenberg¹, Sima Wetzler¹, Milka Donchin¹², Maha Nubani, Iva Littman¹, Maha Nubani¹, Sara Siemiatycki, Chaim Lotan, Sara Siemiatycki³, Chaim Lotan¹, Osnat Keidar, Donna R. Zwas, Osnat Keidar¹, Donna R. Zwas¹

¹Linda Joy Pollin Cardiovascular Wellness Institute for Women, Hadassah University Medical Center, Cardiology, Jerusalem, Israel
²Braun School of Public Health, Health Promotion, Israel
³Bishvilaych Women's Health Organization, Health Promotion, Israel

65. **Acute Coronary Syndromes in patients with Non Alcoholic Fatty Liver Disease**

Dan Haberman¹, Yaakov Maor², Jacon George¹

¹Heart Center, Kaplan Medical Center, Hebrew university, Jerusalem, Israel, Rehovot, Israel
²Kaplan Medical Center, Institute of Gastroenterology and Hepatology, Hebrew university, Jerusalem, Israel, Rehovot

66. **Prevalence and Influence of Atrial Fibrillation on Short-term Outcomes of Nonagenarians Undergoing Surgical Intervention for Hip Fractures**

Vladimir Zeldetz¹, Yigal Plakht², Yuri Goldberg³, Boris Punchik⁴⁵, Yan Press⁴⁵, Aryeh Shalev⁶⁷

¹Emergency Medicine, Soroka University Medical Center, Be’er Sheva, Israel
²Nursing Research Unit, Soroka University Medical Center, Ben Gurion University of The Negev, Be’er Sheva, Israel
³Cardiology Services, Clalit Health Services - Southern Region, Be’er Sheva, Israel
⁴Comprehensive Geriatric Assessment Unit, Clalit Health Services - Yassky Clinic, Be’er Sheva, Israel
⁵Sial Center for Research in Family Medicine, Faculty of Health Sciences, Ben Gurion University of The Negev, Be’er Sheva, Israel
⁶Cardiology, Soroka University Medical Center, Be’er Sheva, Israel
⁷Faculty of Health Sciences, The Joyce & Irving Goldman Medical School, Ben Gurion University of The Negev, Be’er Sheva, Israel

67. **The Frequency of Traditional and Additional Cardiovascular Risk Factors in Hypertensive Patients with Rheumatoid Arthritis and its Interrelation with Subclinical Atherosclerosis Manifestations**

Olexandr Kuryata, Oksana Sirenko

Onnere Medicine # 2, Dnipropetrovsk Medical Academy, Ukraine
68. Survival Rate from Out of Hospital Cardiac Arrest in Patients Admitted into Intensive Coronary Care Unit
Dante Antonelli, Ofir Koren, Ehud Rozner, Nahum A. Freedberg, Yoav Turgeman
Cardiology, Ha Emek Medical Center, Afula, Israel

69. Low levels of High Density Lipoprotein (HDL) and Corneal Opacity Caused by Lecithin-Cholesterol Acyltransferase (LCAT) Deficiency
Mordechai Golomb1, Rafael Bitzur2, Eran Leitersdorf3, Shoshi Shpitzen4, Chaim Lotan1, Ronen Durst1
1Department of Cardiology, Hadassah Medical Center, Jerusalem, Israel
2The Bert W Strassburger Lipid Center, Sheba Medical Center, Ramat Gan, Israel

70. Do Patients Participating in Multi-Center Cardiovascular Randomized Controlled Trials Gain Additional Clinical Benefit Independent of Study Result or Trial Arm Allocation?
Shaul Atar, Amichai Berkowitz
Cardiology, Galilee Medical Center, Nahariya, Israel

71. Cardiovascular Knowledge Deficits in Disadvantaged Communities
Keren Greenberg1, Elisheva Leiter1, Milka Donchin1,2, Iva Littman1, Maha Nubani1, Chaim Lotan1, Osnat Keidar1, Donna R Zwas1
1Linda Joy Pollin Cardiovascular Wellness Institute for Women, Department of Cardiology, Hadassah University Medical Center, Israel
2Braun School of Public Health, Hebrew University, Israel

72. History of Abuse in Women Referred to the Women’s Heart Clinic- Not so Rare
Irit Heruti2, Yishay Manor2, Ilana Gezel1, Ran Kornowski1, Avital Porter1
1The Women's Heart Clinic and The Cardiology Department, Rabin Medical Center, Petah Tiqva, Israel
2The Psychology Department and The Women's Heart Clinic, Rabin Medical Center, Petah Tiqva, Israel

73. Gender Effect in the Efficacy and safety of Direct Oral Anticoagulants (DOACs) - Systematic Review and Meta-Analysis of Randomized Trials
Bruria Raccah1,2, Amichai Perlman1,3, Ilan Matok1, Mordechai Muszkat4
1Clinical 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
**Cardiac Imaging**

74. **Examining Efficiency of Coronary CT Exam vs. Stress Test (GXT) in Patients with Acute Chest Pain Admitted to the Emergency Department**
   
   Ahmad Nama₁, Aluma Weiss²,³, Ayelet Shaur², Yelena Milovanov³,
   Dorit Shaham³, Israel Gotesman², Yaakov Asaf³, Ronen Durst²
   
   ¹Emergency Department, Hadassah Medical Hospital, Jerusalem, Israel
   ²Cardiology Department, Hadassah Medical Hospital, Jerusalem, Israel
   ³Radiology Department, Hadassah Medical Hospital, Jerusalem, Israel

**Cardiovascular Surgery**

75. **Should Bilateral Internal Thoracic Artery Grafting be Used in Patients with Left Main Disease?**
    
    Nadav Teich, Nachum Nesher, Dmitry Pevni, Rephael Mohr, Amir Kramer,
    Yosef Paz, Yanai Ben-gal
    
    Department of Cardiovascular Surgery, Sourasky Medical Center, Tel Aviv, Israel

76. **Are Two Skeletonized Internal Thoracic Artery Grafts Better than one in Patients with Insulin Dependent Diabetes?**
    
    Amit Gordon₁, Benjamin Medalion², Rephael Mohr¹, Nahum Nesher¹,
    Amir Kramer¹, Dmitry Pevni¹, Yanai Ben-Gal¹
    ¹Cardio-Thoracic Surgery, Sourasky, Tel Aviv, Israel
    ²Cardio Thoracic Surgery, Beilinson, Patah Tiqwa, Israel

77. **Should Bilateral Internal Thoracic Artery Grafting be Used After Recent Myocardial Infarction?**
    
    Amit Gordon, Dan Loberman, Dmitry Pevni, Raphael Mohr, Yosef Paz,
    Zahi Aizner, Amir Kramer, Nahum Nesher, Yanai Ben-Gal
    
    Cardiothoracic Surgery, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel

78. **Four or More Anastomoses – Total Arterial Complete Revascularization-Safe Arteries Maximization**
    
    Yaron Ishay, Lior Raichel, Oren Lev-Ran, Menachem Matsa, Dan Avramov,
    Shani Kaptzon, Tomer Kotek, Mahmoud Abu salah, Gideon Sahar
    
    The Department of Cardiothoracic Surgery, Soroka University Medical Center,
    Beer-Sheva, Israel

79. **Pleura Preservation During Mammary Artery Harvesting for Coronary bypass Grafting: Impact on Short-term Outcome**
    
    Salvatore Nicolardi, Marco Pano, Giuseppe Scrascia, Domenico Rocco,
    Paolo Fellini, Sabina Diso, Antonio Scotto di Quacquaro,
    Salvatore Zaccaria, Giovanni Casali
    
    Department of Cardiac Surgery, “Vito Fazzi” Hospital, Lecce, Italy
80. Brain Scintigraphy Demonstration of BBB Disruption After Cardiac Surgery
Dan Avramov, Lior Raichel, Yaron Ishay, Menachem Matsa, Shani Kaptzon, Mahmoud Abu salah, Tomer Kotek, Oren Lev-Ran, Gideon Sahar
The Department of Cardiothoracic Surgery, Soroka University Medical Center, Beer-Sheva, Israel

81. Sutureless Aortic Valve Replacement is Useful in Extreme Surgical Conditions of the Aortic Root
Ram Sharony1, Shuli Silberman2, Yaron Almagor2, Victor Rubchevsky1, Yaron Barac1, Yaron Shapira1, Alex Sagie1, Dan Aravot1, Dan Bitran2
1Cardiothoracic Surgery, Rabin Medical Center, Israel
2Cardiothoracic Surgery, Shaare Zedek Medical Center, Israel

Echocardiography and Valvular Disease

82. The Efficacy of Teaching Cardiac Ultrasound by Medical Students Compared to Qualified Trainers
Yotam Lior1, Alon Ben-Sasson1, Jonathan Krispel1, Moshe Rucham1, Noah Liel-Cohen2, Sergio L. Kobal2
1Clinical Research Center, Soroka University Medical Center, Beer-Sheva, Israel
2Cardiology Department, Soroka University Medical Center, Beer-Sheva, Israel

83. Bicuspid Aortic Valve Area in Normal Heart
Moshe Katz1, Israel Mazin1, Ori Vaturi1, Rafael Kuperstein1, Roy Beigel1, Micha Feinberg1, Ehud Raanani2, Sagit Ben Zekry1
1Non Invasive Cardiology Unit, Sheba Medical Center, Israel
2Cardiothoracic Surgery, Sheba Medical Center, Israel

84. Cardiac Structure and Function and Frailty in the Oldest Old
David Leibowitz1, Jochanan Stessman2, Jeremy Jacobs2, Lande-Stessman Irit2, Ein Mor Ela2, Dan Gilon1
1Cardiology, Hadassah-Hebrew University Medical Center
2Geriatrics, Hadassah-Hebrew University Medical Center

85. Critical Value of the Aortic Valve Area in Very Severe Aortic Stenosis
Valery Meledin, Nick Teodorovich, Jacob George, Sara Shimoni
Cardiology, Kaplan Medical Center, Rehovot, Israel