



האיגוד הישראלי לכירורגית לב וריאה  
THE ISRAEL SOCIETY OF CARDIOTHORACIC SURGERY

האיגוד הקרדיולוגי בישראל  
ISRAEL HEART SOCIETY



**The 63<sup>th</sup> Annual Conference of the Israel Heart Society**  
in association with  
**the Israel Society of Cardiothoracic Surgery**

**April 12-13 • 2016 • Tel Aviv, Israel**



**SCIENTIFIC  
PROGRAM**



Paragon Israel (Dan Knassim)  
Tel/Fax: 03-5767730/7  
secretariat@israelheart.com

**08:30-10:00 Interventional Cardiology I, Hall A**  
**Chairs: Ariel Finkelstein, Ran Kornowski, Israel**

**08:30**

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

Amos Levi<sup>1,2</sup>, Tamir Bental<sup>1,2</sup>, Hana Veknin Assa<sup>1,2</sup>, Gabriel Greenberg<sup>1,2</sup>, Eli Lev<sup>1,2</sup>, Ran Kornowski<sup>1,2</sup>, Abid Assali<sup>1,2</sup>

<sup>1</sup>Cardiology, Rabin Medical Center, <sup>2</sup>Sackler Faculty of Medicine, Tel Aviv University, Israel

**08:41**

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

Uri Landes<sup>1</sup>, Abid Assali<sup>1</sup>, Ram Sharoni<sup>1,2</sup>, Hanna Vaknin-Assa<sup>1</sup>, Katia Orvin<sup>1</sup>, Amos Levi<sup>1</sup>, Yaron Shapira<sup>1</sup>, Shmuel Schwartzberg<sup>1</sup>, Ashraf Hamdan<sup>1</sup>, Tamir Bental<sup>1</sup>, Alexander Sagie<sup>1</sup>, Ran Kornowski<sup>1</sup>

<sup>1</sup>Department of Cardiology, Rabin Medical Center, Tel Aviv, <sup>2</sup>Department of Cardiac Surgery, Rabin Medical Center, Tel Aviv, Israel

**08:52**

**Temporal Trends in Transcatheter Aortic Valve Implantation in Israel 2008-2014: Patient Characteristics, Procedural Issues and Clinical Outcome**

Uri Landes<sup>1</sup>, Alon Barsheshet<sup>1</sup>, Abid Assali<sup>1</sup>, Hanna Vaknin-Assa<sup>1</sup>, Israel Barbash<sup>3</sup>, Victor Guetta<sup>3</sup>, Amit Segev<sup>3</sup>, Ariel Finkelstein<sup>2</sup>, Amir Halkin<sup>2</sup>, Jeremy Ben-Shoshan<sup>2</sup>, Ran Kornowski<sup>1</sup>

<sup>1</sup>Department of Cardiology, Rabin Medical Center, Tel Aviv, <sup>2</sup>Cardiology, Sourasky Medical Center, Tel Aviv <sup>3</sup>Cardiology, Sheba Medical Center, Tel HaShomer, Israel

**09:03**

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

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

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

**09:14**

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

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

Cardiology, Tel-Aviv Medical Center, Israel

**09:25**

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

Noam Fink<sup>1</sup>, Amit Segev<sup>1</sup>, Ariel Finkelstein<sup>2</sup>, Ran Kornowski<sup>3</sup>, Israel Barbash<sup>1</sup>, Amir Halkin<sup>2</sup>, Abid Assali<sup>3</sup>, Zach Rosenbaum<sup>2</sup>, Arie Steinvil<sup>2</sup>, Hana Vaknin-Assa<sup>3</sup>, Jeremy Ben Shoshan<sup>2</sup>, Paul Fefer<sup>1</sup>, Victor Guetta<sup>1</sup>

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).

Michael Kleiner Shochat<sup>1,2</sup>, Avraham Shotan<sup>1,2</sup>, David S Blondheim<sup>1,2</sup>, Mark Kazatsker<sup>1,2</sup>, Iris Dahan<sup>1,2</sup>, Aya Asif<sup>1,2</sup>, Yoseph Rozenman<sup>1,2,3</sup>, Ilia Kleiner<sup>4,5</sup>, Jean Marc Weinstein<sup>5</sup>, Aaron Frimerman<sup>1</sup>, Lubov Vasilenko<sup>1,2</sup>, Simcha Meisel<sup>1,2</sup>

<sup>1</sup>Heart Institute, Hillel Yaffe Medical Center, Hadera, Iceland, <sup>2</sup>Rappaport School of Medicine, Technion, Haifa, <sup>3</sup>Cardiovascular Institute, Wolfson Medical Center, Holon, <sup>4</sup>Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv, <sup>5</sup>Cardiology Department, Soroka University Medical Center, Beer Sheva, Israel

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 Zafrir<sup>1</sup>, Nabeeh Salman<sup>2</sup>, Aldo P Maggioni<sup>3</sup>, Cecile Laroche<sup>3</sup>, Offer Amir<sup>2</sup>  
<sup>1</sup>Cardiovascular Division, Lady Davis Carmel Medical Center, Haifa, <sup>2</sup>Cardiovascular Department, Poriya Medical Center, Tiberius, Israel, <sup>3</sup>EURObservational Research Programme, European Society of Cardiology, Sophia-Antipolis, France

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 Shotan<sup>1</sup>, Tuvia Ben Gal<sup>2</sup>, Alicia Vazan<sup>1</sup>, David S Blondheim<sup>1</sup>, Simcha R Meisel<sup>1</sup>, Shochat Michael<sup>1</sup>, Frimerman Aharon<sup>1</sup>, Israel Gotesman<sup>3</sup>, Offer Amir<sup>4</sup>  
<sup>1</sup>Heart Institute, Hillel Yaffe Medical Center, Hadera, <sup>2</sup>Heart Institute, Rabin Medical Center, Petah Tikva, <sup>3</sup>Heart Institute, Hadassah Medical Center, Jerusalem, <sup>4</sup>Heart 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 Yarden<sup>1</sup>, Noa Bachner-Hinenzon<sup>2</sup>, Offir Ertracht<sup>3</sup>, Maayan Perry<sup>4</sup>, Alain Serraf<sup>1</sup>, David Mishali<sup>1</sup>, Michael Glikson<sup>5</sup>

<sup>1</sup>*Pediatric Cardiology, Seba Medical Center, Ramat Gan,* <sup>2</sup>*Cardiac, Analyze it Ltd, Tuval, Israel*

<sup>3</sup>*Eliachar Research Laboratory, Western Galilee Hospital, Nahariya,* <sup>4</sup>*Cardiac, Gamida Ltd,*

<sup>5</sup>*Davidai 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 Berezin<sup>1</sup>, Alexander Kremzer<sup>2</sup>

<sup>1</sup>*Internal medicine, Medical University, Zaporozhye,* <sup>2</sup>*Clinical pharmacology, Medical University, Zaporozhye, Ukraine*

**08:30-10:00 Hot Topics in CIED Treatment, Hall C  
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 Goldenberg<sup>1</sup>, Alon Barsheshet<sup>3</sup>, Avishag Laish-Farkash<sup>2</sup>, Moshi Swissa<sup>4</sup>, Yoav Michowitz<sup>5</sup>, Glikson Michael<sup>6</sup>, Mahmoud Suleiman<sup>1</sup>

<sup>1</sup>*Cardiology, Rambam Medical Center, Haifa,* <sup>2</sup>*cardiology, Barzilai Medical Center, Ashkelon,*

<sup>3</sup>*Cardiology, Rabon Medical Center, Petah Tiqwa,* <sup>4</sup>*Cardiology, Kaplan Medical Center, Rehovot,*

<sup>5</sup>*Cardiology, Tel Aviv Medical Center, Tel Aviv,* <sup>6</sup>*Cardiology, Sheba Medical 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 Steiner<sup>1</sup>, Ilan Goldenberg<sup>2</sup>, Mahmoud Suleiman<sup>3</sup>, Michael Glikson<sup>2</sup>, Moshe Swissa<sup>4</sup>, Gregory Golovchiner<sup>5</sup>, Boris Strasberg<sup>5</sup>, Alon Barsheshet<sup>5</sup>

<sup>1</sup>*Division of Cardiovascular Medicine, The Baruch Padeh Medical Institute, Poriya,* <sup>2</sup>*Department of Cardiology, The Heart Center, Chaim Sheba Medical Center, Sackler School of Medicine*

<sup>3</sup>*Department of Cardiology, Rambam Medical Center,* <sup>4</sup>*Department of Cardiology, Kaplan Medical Center* <sup>5</sup>*Department 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-Farkash<sup>1</sup>, Sharon Bruoha<sup>1</sup>, Amos Katz<sup>1</sup>, Ilan Goldenberg<sup>2</sup>, Mahmoud Suleiman<sup>3</sup>, Vladimir Khalameizer<sup>1</sup>

<sup>1</sup>*Department of Cardiology, Barzilai Medical center, and The Faculty of Health Sciences, Ben-Gurion University of the Negev, Ashkelon,* <sup>2</sup>*The Israeli Association for Cardiovascular Trials,*

09:06

**Correction of Right Ventricular Pacing Induced Reduction in Coronary Flow by Left and Biventricular Pacing**

Dawod Sharif<sup>1,2</sup>, Nemer Samniah<sup>1,2</sup>, Ahmad Yehia<sup>2</sup>, Yasmin Sharif<sup>2</sup>, Amal Sharif-Rasslan<sup>3</sup>, Uri Rosenschein<sup>1,2</sup>

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

09:18

**Propionibacterium Acnes Pacemaker Implant Infections: an Under-recognized Cause**

Shelly Kagan<sup>1</sup>, Anat Wieder-Finesod<sup>2</sup>, Debby Ben-David<sup>2</sup>, Galia Rahav<sup>2</sup>, Rafael Diamante<sup>1</sup>, David Berlev<sup>1</sup>, Igor Liphcenca<sup>1</sup>, Osnat Gurevitz<sup>1</sup>, Michael Eldar<sup>1</sup>, Roy Beinart<sup>1</sup>, Michael Glikson<sup>1</sup>, Eyal Nof<sup>1</sup>

<sup>1</sup>Cardiology, Sheba Medical Center, <sup>2</sup>Infectious diseases, Sheba Medical Center, Israel

09:30

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

Orwa Younis<sup>1</sup>, Roy Beinart<sup>1</sup>, Nofrat Nehoray<sup>2</sup>, Igor Lipchenca<sup>1</sup>, Osnat Gurevitz<sup>1</sup>, Shlomi Mateztky<sup>1</sup>, Roy Beigel<sup>1</sup>, Michael Eldar<sup>1</sup>, Michale Glikson<sup>1</sup>, Eyal Nof<sup>1</sup>

<sup>1</sup>Cardiology, Sheba Medical Center, <sup>2</sup>ER, 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 Sharif<sup>1,3</sup>, Fadi Abu Ahmad<sup>2</sup>, Yasmine Sharif<sup>3</sup>, Amal Sharif-Rasslan<sup>4,5</sup>, Uri Rosenschein<sup>1,3</sup>, Ayed Mahajneh<sup>2,3</sup>, Boaz Weller<sup>2,3</sup>

<sup>1</sup>Cardiology, Bnai Zion Medical Center, <sup>2</sup>Neurology, Bnai Zion Medical Center, <sup>3</sup>Medicine, Technion - Israel Institute of Technology, <sup>4</sup>Science and Technology, Technion Israel Institute of Technology, <sup>5</sup>Mathematics, 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 Blatt<sup>1,3</sup>, Gabby Elbaz-Greener<sup>1,3</sup>, Oran Tzuman<sup>1,3</sup>, Marina Leitman<sup>1,3</sup>, Zvi Vered<sup>1,3</sup>, Uri Oron<sup>2</sup>

<sup>1</sup>Cardiology Division, Assaf Harofeh Medical Center, Zerifin, <sup>2</sup>Department of Zoology, Faculty of Life Sciences, <sup>3</sup>Sackler 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 Hadanny<sup>2,3</sup>, Roni Shouval<sup>1,3</sup>, Nir Shlomo<sup>4</sup>, Zaza Iakobishvili<sup>5</sup>, Ron Unger<sup>3</sup>, Doron Zahger<sup>9</sup>, Ronny Alkalai<sup>6</sup>, Shaul Atar<sup>7</sup>, Shmuel Gottlieb<sup>8</sup>, Shlomi Matetzky<sup>10</sup>, Ilan Goldenberg<sup>10</sup>, Roy Beigel<sup>10</sup>  
<sup>1</sup>*Internal medicine "F" Department, Chaim Sheba Medical Center, Ramat-Gan, Israel, Ramat Gan,*  
<sup>2</sup>*Sagol Center for Hyperbaric medicine and Research, Assaf HaRofo Medical Center, Zeriffin,* <sup>3</sup>*The Mina and Everard Goodman Faculty of Life Sciences,, Bar-Ilan University, Ramat-Gan,* <sup>4</sup>*Israeli Association for Cardiovascular Trials, Sheba Medical Center, Tel Hashomer, Ramat Gan,*  
<sup>5</sup>*Cardiology Department, Beilinson Hospital, Rabin Medical Center, affiliated to the Sackler School of Medicine, Tel Aviv University, Tel-Aviv, Israel, Petah Tikva,* <sup>6</sup>*Heart institute, Hadassah Hebrew University Medical Center, Jerusalem,* <sup>7</sup>*Department of Cardiology, The Western Galilee Medical Center, Nahariya, Bar-Ilan University, Ramat-Gan, Nahariya,* <sup>8</sup>*Department of Cardiology, Shaare-Zedek Medical Center, Bikur Cholim Campus, the Hebrew University School of Medicine, Jerusalem*  
<sup>9</sup>*Intensive Cardiac Care Unit, Department of Cardiology, Soroka University Medical Center, Be'er-Sheva,* <sup>10</sup>*Heart Center, Chaim Sheba Medical Center, Tel Hashomer, Sackler School of Medicine, Tel Aviv University, 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 Leviev 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 Mazin<sup>1</sup>, Orly Goitein<sup>2</sup>, Roy Beigel<sup>1</sup>, Romana Herskovitz<sup>1</sup>, Sagit Ben Zekry<sup>3</sup>, Paul Fefer<sup>4</sup>, Elad Asher<sup>1</sup>, Shlomi Matetzky<sup>1</sup>  
<sup>1</sup>*Intensive Cardiac Care Unit (ICCU), Sheba Medical Center,* <sup>2</sup>*Radiology Department, Sheba Medical Center,* <sup>3</sup>*Non Invasive Cardiology Unit, Sheba Medical Center,* <sup>4</sup>*Invasive 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 Shinnawi<sup>1</sup>, Naim Shaheen<sup>1</sup>, Irit Huber<sup>1</sup>, Gil Arbel<sup>1</sup>, Amira Gepstein<sup>1</sup>, Anke Tijssen<sup>1</sup>, Reiner Schimpf<sup>2</sup>, Martin Boggreffe<sup>2</sup>, Lior Gepstein<sup>1</sup>  
<sup>1</sup>*Rappaport Faculty of Medicine and Research Institute, Technion – Israel Institute of Technology, Haifa, Israel,* <sup>2</sup>*Department 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 Maizels<sup>1</sup>, Irit Huber<sup>1</sup>, Gil Arbel<sup>1</sup>, Anke Tijssen<sup>1</sup>, Amira Gepstein<sup>1</sup>, Asaad Khouri<sup>2</sup>, Lior Gepstein<sup>3</sup>

<sup>1</sup>*Physiology, The Sohnis Family Laboratory for Cardiac Electrophysiology and Regenerative Medicine, Rappaport Faculty of Medicine, Technion – Israel Institute of Technology,* <sup>2</sup>*Pediatric Cardiology, Rambam Health Care Campus,* <sup>3</sup>*Cardiology Department, Rambam Health Care Campus, Haifa Israel*

08:54

## **Left Atrial Appendage—an Untapped Source for Cardiac Repair after Myocardial Infarction**

Avishag Emanuelov, Jussi Leinonen, Sara Hoss, Yardanna Platt, Phillippe Yeonathan Bouaziz, Ronen Beeri

*Cardiovascular Research Center Heart Institute, Hadassah- Hebrew University Medical Center, Jerusalem, Israel*

09:06

## **Attenuation of Diabetic Cardiomyopathy by Caloric Restriction Through PGC-1 $\alpha$ Activation**

Maayan Waldman<sup>1,2</sup>, Keren Cohen<sup>1,2</sup>, Michael Arad<sup>2</sup>, Danny Gurfield<sup>1</sup>, Aravot Dan Aravot<sup>1</sup>, Edith Hochhauser<sup>1</sup>

<sup>1</sup>*Cardiac Research Laboratory, Felsenstein Medical Research Institute, Tel-Aviv University, Petah-Tikva,* <sup>2</sup>*Leviev 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 Asleh<sup>1</sup>, Nina S. Levy<sup>2</sup>, Gheorge Doros<sup>3</sup>, Tina Costacou<sup>4</sup>, Jennifer G. Robinson<sup>5</sup>, William E. Boden<sup>6</sup>, Debra L. Simmons<sup>7</sup>, Patrice Desvigne-Nickens<sup>8</sup>, George Grunberger<sup>9</sup>, Todd J. Anderson<sup>10</sup>, Andrew P. Levy<sup>2</sup>

<sup>1</sup>*Department of Cardiology, Rambam Medical Center and Laboratory of Vascular Medicine, Rappaport Faculty of Medicine, Technion-Israel Institute of Technology,* <sup>2</sup>*Laboratory of Vascular Medicine, Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel* <sup>3</sup>*Department of Epidemiology, Harvard Clinical Research Institute and Boston University School of Public Health, Boston, MA, USA* <sup>4</sup>*Department of Epidemiology, University of Pittsburgh, Pittsburgh, PA, USA* <sup>5</sup>*Colleges of Public Health and Medicine, University of Iowa, Iowa City, IA, USA* <sup>6</sup>*Department of Medicine, Albany Stratton Veteran Affairs Medical Center, Albany, NY, USA* <sup>7</sup>*Utah Diabetes and Endocrinology Center, University of Utah, Salt Lake City, UT, USA* <sup>8</sup>*Division of Cardiovascular Sciences, National Heart Lung and Blood Institute, NIH, Bethesda, MD, USA* <sup>9</sup>*Department of Endocrinology and Metabolism, Grunberger Diabetes Institute, Bloomfield Hills, MI, USA* <sup>10</sup>*Department of Cardiac Sciences, Libin Cardiovascular Institute, Calgary, Alberta, Canada*

09:30

## **EET, a Lipid Mediator, Upstream of PGC-1 $\alpha$ , is required for HO-1 Activation and Mitochondrial Function during Adipocyte Differentiation**

Maayan Waldman<sup>1,2,3</sup>, Luca Vanella<sup>1,4</sup>, Lars Bellner<sup>1</sup>, Joseph Schragenheim<sup>1</sup>, Shailendra Singh<sup>1</sup>, Daohong Lin<sup>1</sup>, Anand Lakhkar<sup>1</sup>, Marco Raffaele<sup>1,4</sup>, Edith Hochhauser<sup>2</sup>, Michael Arad<sup>3</sup>, Nader G. Abraham<sup>1</sup>

<sup>1</sup>*Department of Pharmacology, New York Medical College, NY, Valhalla, USA* <sup>2</sup>*Cardiac Research Laboratory, Felsenstein Medical Research Institute, Tel-Aviv University, Petah-Tikva,* <sup>3</sup>*Leviev Heart*

09:42

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

Ludovit Paulis<sup>1,2</sup>, Jeremy Fauconnier<sup>2</sup>, Olivier Cazorla<sup>2</sup>, Jerome Thireau<sup>2</sup>, Raffaella Soletti<sup>3</sup>, Bastien Vidal<sup>2</sup>, Aude Ouille<sup>2</sup>, Marion Bartholome<sup>2</sup>, Patrice Bideaux<sup>2</sup>, Francois Roubille<sup>2</sup>, Jean-Yves Le Guennec<sup>2</sup>, Ramarason Andriantsitohaina<sup>3</sup>, M. Carmen Martinez<sup>3</sup>, Alain Lacampagne<sup>2</sup>

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

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

08:30

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

Tomer Koler<sup>1</sup>, Esther Houminer<sup>1</sup>, Orit Blumenfeld<sup>2</sup>, Amit Korach<sup>1</sup>, Ehud Rudis<sup>1</sup>, Uzi Izhar<sup>1</sup>, Eldad Erez<sup>1</sup>, Oz M. Shapira<sup>1</sup>

<sup>1</sup>Department of Cardiothoracic Surgery, Hadassah Hebrew University Medical Center, Jerusalem, <sup>2</sup>Israel Center for Disease Control, Ministry of Health, Israel

08:42

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

Amjad Shalabi<sup>1</sup>, Hillit Cohen<sup>1</sup>, Leonid Sternik<sup>1</sup>, Boris Orlov<sup>1</sup>, Alexanedr Kogan<sup>1</sup>, Alexander Lipey<sup>1</sup>, Uri Vaturi<sup>2</sup>, Micha Feinberg<sup>2</sup>, Ehud Raanani<sup>1</sup>

<sup>1</sup>Cardiac Surgery Department, Sackler School of Medicine, Tel- Aviv University, <sup>2</sup>Cardiology Department, Sackler School of Medicine, Tel- Aviv University, Israel

08:54

**A Dedicated Slot in Honor of Prof. Francis Wellens**

Ehud Raanani, Israel

09:00

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

Dan Avramov<sup>1</sup>, Oren Lev-Ran<sup>1</sup>, s. Naparstek<sup>2</sup>, Menachem Matsa<sup>1</sup>, Lior Raichel<sup>1</sup>, Tomer Kotek<sup>1</sup>, Yaron Ishay<sup>1</sup>, Shani Kaptzon<sup>1</sup>, Mahmoud Abu salah<sup>1</sup>, Gideon Sahar<sup>1</sup>

<sup>1</sup>The Department of Cardiothoracic Surgery, Soroka University Medical Center, <sup>2</sup>The Department of Imaging, Soroka University Medical Center, Beer-Sheva, Israel

09:12



## **Hemoglobin A1C Level in Patients with Diabetes Mellitus Predicts Adverse Outcomes Following Coronary Artery Bypass Surgery**

Muhammad Abu Tailakh<sup>1,2,3</sup>, Yaron Ishay Shlomo<sup>2,3</sup>, Janan Awesat<sup>2</sup>, Michael Friger<sup>2</sup>, Victor Novack<sup>1,2,4</sup>, Gideon Sahar<sup>2,3</sup>

<sup>1</sup>*Clinical Research Center, Soroka University Medical Center*, <sup>2</sup>*Faculty of Health Sciences, Ben Gurion University of the Negev*, <sup>3</sup>*Department of Cardiothoracic Surgery, Soroka University Medical Center*, <sup>4</sup>*Division of Medicine, Soroka University Medical Center, Israel*

09:24

## **Using Multidisciplinary Approach Pulmonary Thromboendarterectomy is Safe with Excellent Late Outcomes**

Ronny Ben-Avi<sup>1</sup>, Michael Segel<sup>1,2</sup>, Sergey Preisman<sup>1,3</sup>, Leonid Sternik<sup>1</sup>, Ehud Raanani<sup>1</sup>, Hans-Joachim Schafers<sup>4</sup>, Alexander Kogan<sup>1</sup>

<sup>1</sup>*Cardiothoracic Surgery, Sheba Medical Center, Tel Hashomer, affiliated with the Sackler School of Medicine, Tel Aviv University*, <sup>2</sup>*Pulmonology, Sheba Medical Center, Tel Hashomer, affiliated with the Sackler School of Medicine, Tel Aviv University*, <sup>3</sup>*Anaesthesiology, Sheba Medical Center, Tel Hashomer, affiliated with the Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel*, <sup>4</sup>*Cardiothoracic Surgery, Universitätsklinikum des Saarlandes, Homburg, Germany*

## **08:30-10:00 Heart Disease from Childhood to Adult Life, Hall 3**

**Chairs: Sergey Yalonetsky, Joseph Danieli, Israel**

08:30

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

Livia Kapusta  
The Netherlands

08:45

### **Lymphatic System Abnormalities Imaging and Interventions in Patients with Heart Disease**

Yoav Dori  
USA

09:00

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

Ilan Merdler<sup>1</sup>, Ayal Hassidim<sup>1</sup>, Odelia Chorin<sup>2</sup>, Ilan Dallal<sup>2</sup>, Ehud Chorin<sup>3</sup>  
<sup>1</sup>*Medical Corps, Israeli Defense Forces*, <sup>2</sup>*Pediatrics, E. Wolfson Medical Center, Holon*,  
<sup>3</sup>*Cardiology, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel*

09:12

### **Identifying the Genetic Cause of Congenital Heart Defects using Exome Analysis**

Asaf Ta-Shma<sup>1</sup>, Zeev Perles<sup>1</sup>, Nael Al-lahham<sup>1</sup>, Prof. Amiram Nir<sup>1</sup>, Sagui Gavri<sup>1</sup>, Julius Golender<sup>1</sup>, Nurit Yaakobi-Simhayoff<sup>1</sup>, Ibrahim Abu Zehira<sup>1</sup>, Avraham Shaag<sup>2</sup>, Azaria Rein<sup>1</sup>, Orly Elpeleg<sup>2</sup>  
<sup>1</sup>*Department of Pediatric Cardiology, Hadassah, Hebrew University Medical Center*, <sup>2</sup>*Monique and Jacques Roboh Department of Genetic Research, Hadassah, Hebrew University Medical Center, Jerusalem, Israel*

09:24

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

Michal Benderly<sup>1,2</sup>, Leonard Blieden<sup>2,3</sup>, Jonathan Buber<sup>4</sup>, Alexander Dadashev<sup>2,3</sup>, Ofra Kalter-Leibovici<sup>1,2</sup>, Avraham Lorber<sup>5</sup>, Amiram Nir<sup>6</sup>, Sergei Yalonetsky<sup>5</sup>, Gabriel Chodick<sup>2,7</sup>, Dalia

Weitzman<sup>7,8</sup>, Ran Balicer<sup>9</sup>, Havi Murad<sup>1</sup>, Rafael Hirsch<sup>2,3</sup>, On behalf of the Israeli Congenital Heart Disease Research Group<sup>1</sup>

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

09:36

### **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 Buber<sup>1,8</sup>, Leonard Blieden<sup>2,8</sup>, Alexeender Dadashev<sup>2,8</sup>, Rafael Hirsch<sup>2,8</sup>, Ofra Kalter-Leibovici<sup>3,8</sup>, Avraham Lorber<sup>4,9</sup>, Amiram Nir<sup>5,10</sup>, Sergei Yalonetsky<sup>4,9</sup>, Gabriel Chodick<sup>6</sup>, Dalia Weitzman<sup>6</sup>, Ran Balicer<sup>7</sup>, Michal Benderly<sup>3,8</sup>

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

09:48

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

Sharon Borik, Tal Tirosh, Ihab Khatib, David Mishaly, Alain Serraf, Joseph Danieli  
Safra International Congenital Heart Center, Chaim Sheba Medical Center and Tel Aviv University, Ramat Gan, Israel

## **08:30-10:00 Epidemiology and Prevention I, Hall 4**

### **Chairs: Yaakov Henkin, Ophir Avizohar, Israel**

08:30

### **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 Plakht<sup>1</sup>, Arthur Shiyovich<sup>2</sup>, Harel Gilutz<sup>1</sup>

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

08:42

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

Mony Shuvy<sup>1,2</sup>, Laurie J. Morrison<sup>3</sup>, Damon C. Scales<sup>2</sup>, Harindra C. Wijeyesundera<sup>2,4</sup>, Feng Qiu<sup>4</sup>, Paul Dorian<sup>3</sup>, Richard Verbeek<sup>2</sup>, Jason Buick<sup>3</sup>, Maria Koh<sup>4</sup>, Jack Tu<sup>4</sup>, Dennis T. Ko<sup>2,4</sup>

<sup>1</sup>Heart Institute, Hadassah Hebrew University Medical Centre, Jerusalem, Israel, <sup>2</sup>Schulich Heart Centre, Sunnybrook Health Sciences Centre, Toronto, <sup>3</sup>Rescu, Li Ka Shing Knowledge Institute, St.

08:54

**Insulin Resistant States Predict Cognitive Performance and Cognitive Decline in Coronary Heart Disease Patients**

Miri Lutski<sup>1</sup>, Galit Weinstein<sup>3</sup>, David Tanne<sup>2</sup>, Uri Goldbourt<sup>1,4</sup>

<sup>1</sup>Department of Epidemiology, Tel Aviv University, Tel Aviv, <sup>2</sup>Neurology, Sheba Medical Center, Tel Hashomer, <sup>3</sup>Faculty of Health Sciences, University of Haifa, <sup>4</sup>Neufeld 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 Shiyovich<sup>1</sup>, Harel Gilutz<sup>2</sup>, Ygal Plakht<sup>3</sup>

<sup>1</sup>Medicine E, Beilinson Hospital, Rabin Medical Center, Petah Tikva, <sup>2</sup>Cardiology, Soroka University Medical Center, faculty of Health Sciences, Ben-Gurion University of the Negev, Beer Sheva, <sup>3</sup>Unit 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 Zafrir<sup>1,4</sup>, Chen Shapira<sup>2,4</sup>, Gil Lavie<sup>3,4</sup>, David A Halon<sup>1,4</sup>, Moshe Y Flugelman<sup>1,4</sup>

<sup>1</sup>Cardiovascular Division, Lady Davis Carmel Medical Center, Haifa, <sup>2</sup>Director, Clalit Health Services, Haifa and Western Galilee District, <sup>3</sup>Department of Medicine, Lady Davis Carmel Medical Center, <sup>4</sup>Ruth 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- Itzhak<sup>1</sup>, Sigal Eilat- Adar<sup>1,2</sup>, Zvi Vered<sup>3</sup>

<sup>1</sup>Department of Epidemiology and Preventive Medicine, Sackler Medical Faculty, Tel Aviv University, Tel Aviv, <sup>2</sup>Zinman College for Physical Education & Sports, Wingate Institute, Netanya, <sup>3</sup>Department of Cardiology Assaf Harofeh Medical Center, Tel Aviv University, Tel Aviv, Israel

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

**10:30-12:30 Plenary I - Opening Ceremony**

**Chairs: Michael Glikson, Ronen Rubinshtein, Israel Heart Society**

**Gil Bolotin, Erez Kachel, Israel Society of Cardio Thoracic Surgery, Hall ABC**

10:30

Opening Introductions:

Michael Glikson – President, Israel Heart Society

Gil Bolotin - Chairman, Israel Society of Cardio Thoracic Surgery

Honorable Minister Rabbi Yaakov Litzman, Minister of Health

Awarding of New Honorary Members of the Israel Heart Society:

Professor Elieser Kaplinsky

Professor Chaim Lotan

Professor Panos E. Vardas

Fellowship Awards of the Israel Heart Society

Recognition of the Industry Round Table of the Israel Heart Society

**11:30**

**Neufeld Memorial Lecture:** Looking Into the Future of PCSK9 Inhibition

Michael Gibson

Chief of Clinical Research, Division of Cardiology

Harvard's Beth Israel Deaconess Medical Center, Boston, USA

**12:00**

Henry Neufeld Awards

**12:10**

**Heart Team**

Jan Hoorntje

The Netherlands

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

**12:30-14:30 Lunch Session - Sponsored By **Boehringer Ingelheim**, Hall H**

**Dabigatran 2016: Innovation in Anticoagulation Care**

**12:30 – 12:45** Gathering

**12:45 – 13:00 Opening: Anticoagulation Care 3.0 - Noacs in 2016 and Beyond**

Dan Atar,

Dept. of Cardiology B

Vice-President of the ESC

Oslo University Hospital, Norway

**13:00 – 13:20 Real-World Experience with Dabigatran – Reassurance for Daily Practice**

Yoseph Rozenman,

Head, Cardiovascular Institute

The Edith Wolfson Medical Center

Immediate Past President, Israel Heart Society, Israel

**13:20 – 13:40 Innovation in Anticoagulation Care: Availability of the Antidote –Closing the Circle**

Chaim Lotan,

Chairman of the Cardiovascular Division,

Hadassah Medical Center

Immediate Past President - Israel Heart Society

Co-Course Director ICI meeting, Israel

**13:40 – 14:00 Panel Discussion: Clinical Cases in Which the Antidote “Made The Difference”**

Michael Glikson,

Director of Davidai Arrhythmia Center

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**, Hall I

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

12:30 - 12:45 Lunch – First Course

12:45 - 12:55 **Opening and Case Presentation**

Prof. Ran Kornowski

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

Prof. Gérard Helft

13:10 - 13:35 **Prolonged DAPT – Where Do We Stand Post PEGASUS & DAPT Trials?**

Prof. Shlomi Matetzky

13:35 - 14:00 **Panel Discussion**

**Chairman: Prof. Ran Kornowski**

**Panel members: Prof. Ilan Goldenberg, Prof. Gérard Helft, Prof. Eli Lev, Prof. Shlomi Matetzky, Prof. Doron Zahger**

14:00 - 14:20 Lunch

---

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

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

Keynote speaker:

M. John Chapman BSc (Hons), PhD, DSc, FESC

Research Professor, University of Pierre and Marie Curie,

Director Emeritus, INSERM Dyslipidemia and Atherosclerosis Research,

Past-President, European Atherosclerosis Society,

Pitie-Salpetriere University Hospital, Paris, France

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

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

**14:30-16:00 Plenary II – Joint Session: European Society of Cardiology (ESC) – Israel Heart Society (IHS) –The ESC Presents**

**Chairs: Fausto J. Pinto, Portugal, Panos Vardas, Greece, Michael Glikson, Israel, Hall ABC**

14:30

**Overview – ESC & IHS Long Term Relationship**

Fausto J. Pinto

President, European Society of Cardiology

Director, Lisbon Cardiovascular Institute, Lisbon University, Portugal

14:35

**Imaging in Heart Failure**

Jeroen J. Bax

President-Elect, European Society of Cardiology

Director of Non-invasive Imaging, Department of Cardiology

Leiden University Medical Center, The Netherlands

14:55

**Genetics of Cardiovascular Disease**

Eloisa Arbustini

Director, Center for Inherited Cardiovascular Diseases

Foundation I.R.C.C.S. Policlinico San Matteo, Pavia, Italy

15:15

**Therapies to Prevent Reperfusion Injury in STEMI: A Status 2016**

Dan Atar

Vice-President, European Society of Cardiology

Head of Research, Div. of Medicine, Oslo University Hospital,

Ullevål, Norway

15:35

**New Horizons in the Treatment of Atrial Fibrillation**

Gerhard Hindricks

Director, Electrophysiology Department

Leipzig University Heart Center, Germany

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

**16:30-18:00 Interventional Cardiology II, Hall A**

**Chairs: Amit Segev, Eugenia Nikolsky, Israel**

16:30

**Image-based Fangio during Coronary Catheterization**

Ran 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 Debry<sup>7</sup>, Marco Barbanti<sup>2</sup>, Thierry Lefevre<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**

Avital 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, <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 Witberg<sup>1</sup>, Issy Barbash<sup>2</sup>, Arik Finkelstein<sup>3</sup>, Abid Assali<sup>1</sup>, Amit Segev<sup>2</sup>, Amir Halkin<sup>3</sup>, Paul Fefer<sup>2</sup>, Jeremy Ben-Shoshan<sup>3</sup>, Maayan Konigstein<sup>3</sup>, Victor Guetta<sup>2</sup>, Ran Kornowski<sup>1</sup>, Alon Barsheshet<sup>1</sup>

<sup>1</sup>Department of Cardiology, Rabin Medical Center, Petach Tikva, <sup>2</sup>Leviev Heart Center, Chaim Sheba Medical Center, Tel Hashomer, <sup>3</sup>Department 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 Schwartzberg, 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 Nachum<sup>1</sup>, Israel Barabash<sup>2</sup>, Victor Guetta<sup>2</sup>, Amit Segev<sup>2</sup>, Paul Pefer<sup>2</sup>, Boris Orlov<sup>1</sup>, Amihai Shinfeld<sup>1</sup>, Ehud Raanani<sup>1</sup>

<sup>1</sup>Cardiac Surgery, Chaim Sheba Medical Center, Tel-Hashomer, <sup>2</sup>Cardiology, 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 Hamdan<sup>1</sup>, Ehud Schwammenthal<sup>2</sup>, Monakier Daniel<sup>1</sup>, Ariel Gutstein<sup>1</sup>, Gideon Shafir<sup>3</sup>, Abid Assali<sup>1</sup>, Ran Kornowski<sup>1</sup>

<sup>1</sup>Department of Cardiology, Rabin Medical Center, <sup>2</sup>Department of Cardiology, Sheba Medical Center, <sup>3</sup>Department of Diagnostic Imaging, Rabin Medical Center, Israel

**16:30-18:00 Joint Session: The Israel Working Group on Echocardiography and the Israel Society of Cardiothoracic Surgery, Hall B**

**Chairs: Ehud Raanani, Yaron Shapira, Rafael Kuperstein, Israel**

**16:30**

**Cardiac War Injuries, Management of Penetrating Cardiac ShrapnelA**

Ziv Beckerman<sup>1</sup>, Oved Cohen<sup>1</sup>, Zvi Adler<sup>1</sup>, Hany Bahouth<sup>2</sup>, Yoram Kluger<sup>2</sup>, Gil Bolotin<sup>1</sup>  
<sup>1</sup>Cardiac Surgery, <sup>2</sup>General Suregry, 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 Leviev Heart Center, Sheba Medical Center, Ramat Gan, Israel

**16:54**

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

Amjad Shalabi<sup>1</sup>, Hillit Cohen<sup>1</sup>, Leonid Sternik<sup>1</sup>, Boris Orlov<sup>1</sup>, Alexanedr Kogan<sup>1</sup>, Alexander Lipey<sup>1</sup>, Uri Vaturi<sup>2</sup>, Micha Feinberg<sup>2</sup>, Ehud Raanani<sup>1</sup>  
<sup>1</sup>Cardiac Surgery Department, Sackler School of Medicine, Tel- Aviv University, <sup>2</sup>Cardiology Derprtmnt, 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 Shapira, Alexander Sagie, Isreal Kuznitz, Inbal Baruch, Dan Aravot, Ran Kornowski  
Cardiothoracic Surgery and the Cardiology, Rabin Medical Center, Israel

**17:18**

**Prediction of Post-operative Left Ventricular Dysfunction in Patients with Severe Mitral Regurgitation**

Michal Laufer Perl<sup>1</sup>, Yan Topilsky<sup>1</sup>, Yanai Ben Gal<sup>2</sup>, Gideon Uretsky<sup>2</sup>, Simon Biner<sup>1</sup>  
<sup>1</sup>Department of Cardiology, Cardiology, Tel Aviv, <sup>2</sup>Cardiothorasic Surgery Department, Cardiothoracic, Israel

**17:30**

**Supra-annular (Intra-atrial) Mitral Valve Replacement in Patients with extremely calcified Mitral Valve Annulus**

Boris Orlov<sup>1</sup>, Yaron Moshkovitz<sup>2</sup>, Ronny Ben-Avi<sup>1</sup>, Alexander Kogan<sup>1</sup>, Leonid Sternik<sup>1</sup>, Ehud Raanani<sup>1</sup>  
<sup>1</sup>Cardiothoracic Surgery, Sheba Medical Center, Tel Hashomer affiliated with th Sackler School of Medicine, Tel Aviv, <sup>2</sup>Cardiothoracic Surgery, Assuta Medical Center, Tel Aviv, Israel

**17:42**

**Does Concomitant Surgical Atrial Fibrillation Ablation Increase Immediate and Early Risk of Mitral Surgery?**



**16:30-18:00 Kellerman Award Competition, Hall C**  
**Chairs: Joseph Shemesh, Eli Lev, Israel**

**16:30**

**Novel E-selectin Binding Polymers Reduce Atherosclerotic Lesions in ApoE<sup>(-/-)</sup> mice**

Olga Tsoref<sup>1,2</sup>, Natalie Landa<sup>1</sup>, David Kain<sup>1,2</sup>, Dalia Tyomkin<sup>3</sup>, Ayelet David<sup>3</sup>, Jonathan Leor<sup>1,2</sup>  
<sup>1</sup>*Sheba Medical Center, Tamman Cardiovascular Research Institute, <sup>2</sup>Tel-Aviv University, Neufeld Cardiac Research Institute, <sup>3</sup>Ben-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 Molotski<sup>1,2</sup>, David Kain<sup>1,2</sup>, Uri Amit<sup>1,2</sup>, Moshe Katz<sup>1,2</sup>, Natalie Landa<sup>1,2</sup>, Alina Levich<sup>1,2</sup>, Jonathan Leor<sup>1,2</sup>  
<sup>1</sup>*Neufeld Cardiac Research Institute, Sheba Medical Center, Tel Aviv University, <sup>2</sup>Sheba 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 Twig<sup>1,2,3,4</sup>, Gal Yaniv<sup>1,3</sup>, Hagai Levine<sup>6</sup>, Adi Leiba<sup>1,3,4</sup>, Nehama Goldberger<sup>5</sup>, Estela Derazne<sup>3,4</sup>, Dana Ben-Ami Shor<sup>1,4</sup>, Dorit Tzur<sup>3</sup>, Arnon Afek<sup>4,5</sup>, Ari Shamiss<sup>1,4</sup>, Ziona Haklai<sup>5</sup>, Jeremy Kark<sup>6</sup>  
<sup>1</sup>*Department of Medicine, Sheba Medical Center, <sup>2</sup>The Pinhas Borenstein, Talpiot Medical Leadership Program, Sheba Medical Center, <sup>3</sup>The Medical Corps, Israel Defense Forces <sup>4</sup>The Sackler School of Medicine, Tel Aviv University, <sup>5</sup>The Israeli Ministry of Health <sup>6</sup>School 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 Golan<sup>1</sup>, Ilana Harman-Boehm<sup>2</sup>, Dan Schwarzfuchs<sup>3</sup>, Ilan Shelef<sup>2</sup>, Yftach Gepner<sup>1</sup>, Shula Witkow<sup>1</sup>, Idit F Liberty<sup>2</sup>, Benjamin Sarusi<sup>3</sup>, Uta Ceglarek<sup>4</sup>, Michael Stumvoll<sup>4</sup>, Matthias Blüher<sup>4</sup>, Joachim Thiery<sup>4</sup>, Meir J Stampfer<sup>5</sup>, Assaf Rudich<sup>1</sup>, Iris Shai<sup>1</sup>, Yaakov Henkin<sup>2</sup>  
<sup>1</sup>*Department of Public Health, Ben-Gurion University of the Negev, <sup>2</sup>Soroka University Medical Center, Soroka University Medical Center, Beer Sheva, <sup>3</sup>Nuclear Research Center Negev, Nuclear Research Center Negev, Dimona, Israel, <sup>4</sup>Department of Medicine, University of Leipzig, Leipzig, Germany, <sup>5</sup>Department of Medicine, Channing Division of Network Medicine, Brigham and Women's Hospital and Harvard School of Public Health, Boston, MA, USA*

**17:18**

**Gold Nanoparticles Coated with High Density Lipoprotein Enable Both Simultaneous Detection and Therapy of Macrophage-rich Plaques in Animal Models**

Dorit Leshem-Lev<sup>1</sup>, Rinat Ankri<sup>2</sup>, Emanuel Harari<sup>1</sup>, Menachem Motiei<sup>2</sup>, Ran Kornowski<sup>1</sup>, Edith Hochhauser<sup>1</sup>, Dror Fixler<sup>2</sup>, Eli Lev<sup>1</sup>  
<sup>1</sup>*Cardiology Department Rabin Medical Center, Cardiovascular Research Laboratories, Felsenstein Medical Research Center, Petah-Tikva, <sup>2</sup>Bar-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 Goldfracht<sup>1</sup>, Rami Shinnawi<sup>1</sup>, Yael Efraim<sup>2</sup>, Irit Huber<sup>1</sup>, Gil Arbel<sup>1</sup>, Amira Gepstein<sup>1</sup>, Wolfram-Hubertus Zimmermann<sup>3</sup>, Marcel Machluf<sup>2</sup>, Lior Gepstein<sup>1</sup>

<sup>1</sup>Rappaport Faculty of Medicine and Research, Technion-Israel Institute of Technology, <sup>2</sup>Faculty of Food and Biotechnology Engineering, Technion-Israel Institute of Technology, <sup>3</sup>Institute of Experimental and Clinical Pharmacology and Toxicology, University Medical Center Hamburg-Eppendorf, Germany

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

16:30

**Contemporary Snapshot of the Heterogeneity Admixture of Patients Admitted to a Large Tertiary Center Intensive Cardiac Care Unit - PLATIS ICCU**

Shlomi Matetzky, Elad Asher, Israel Mazin, Nitza Levi, Paul Fefer, Roy Beigel  
*Intensive Cardiac Care Unit, The 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 Lador<sup>1</sup>, Adaya Weissler-Snir<sup>1</sup>, Aryeh Abelow<sup>2</sup>, Doron Lederfein<sup>3</sup>, Negba Hen Hanuka<sup>3</sup>, Ran Kornowski<sup>1</sup>, Eli Lev<sup>1</sup>

<sup>1</sup>Cardiology Department, Rabin medical center, <sup>2</sup>Internal Medicine A, Rabin Medical Center, Beilinson Campus, <sup>3</sup>Hematology laboratory, Rabin Medical Center, Hasharon campus, Petah-Tikva, Israel

17:18

**Association of Immature Platelets with Adverse Cardiac and Cerebrovascular Outcomes**

Adi Lador<sup>1</sup>, Adaya Weissler-Snir<sup>1</sup>, Aryeh Abelow<sup>2</sup>, Doron Lederfein<sup>3</sup>, Negba Hen Hanuka<sup>3</sup>, Ran Kornowski<sup>1</sup>, Eli Lev<sup>1</sup>

<sup>1</sup>Cardiology Department, Rabin medical center, <sup>2</sup>Internal Medicine A, Rabin Medical Center, Beilinson Campus, <sup>3</sup>Hematology 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<sup>1,2</sup>, Johan Israelsson<sup>1,2</sup>, Kristofer Årestedt<sup>2</sup>, Burkard Von Wangenheim<sup>1</sup>

<sup>1</sup>*Dept. of Cardiology, Kalmar County Hospital,* <sup>2</sup>*Faculty of Health and Life Sciences, Linnaeus University, Kalmar, Sweden*

17:42

**Respiratory Guard System: New Technology**

Zvi Peled<sup>1</sup>, Avishai Zisser<sup>2</sup>, Michal Fertouk<sup>1</sup>, Keren Bitton-Worms<sup>1</sup>, Victor Kerzman<sup>1</sup>, Gil Bolotin<sup>1</sup>

<sup>1</sup>*Department of Cardiac Surgery, Rambam Health Care Campus, Technion – Faculty of Medicine,*  
<sup>2</sup>*Department of Anesthesia, Rambam Health Care Campus, Technion – Faculty of Medicine, Haifa, Israel*

**16:30-18:00 Joint Session: The Working Group on Myocardial & Pericardial Diseases / Heart Failure and Israel Society of Cardiothoracic Surgery: Surgical Treatment of Advanced Heart Failure, Hall I**

**Chairs: Jacob Lavee, Tuvia Ben-Gal, Israel**

**16:30**

**Trends of Early and Late Rejection Rates Following Heart Transplantation over the Past Two Decades: Real world Data from a National Tertiary Center Registry**

Moshe Katz<sup>1</sup>, Jacob Lavee<sup>2</sup>, Yedael Har-Zahav<sup>1</sup>, Michael Arad<sup>1</sup>, Yedida Shemesh<sup>1</sup>, Yigal Kassif<sup>2</sup>, Nir Shlomo<sup>3</sup>, Ilan Goldenberg<sup>1</sup>, Dov Freimark<sup>1</sup>, Yael Peled<sup>1</sup>

<sup>1</sup>Cardiology, Sheba Medical Center, <sup>2</sup>Cardiothoracic Surgery, Sheba Medical Center, <sup>3</sup>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<sup>1</sup>, Moshe Katz<sup>1</sup>, Jacob Lavee<sup>2</sup>, Michael Arad<sup>1</sup>, Yedida Shemesh<sup>1</sup>, Yigal Kassif<sup>2</sup>, Yedael Har-Zahav<sup>1</sup>, Ilan Goldenberg<sup>1</sup>, Dov Freimark<sup>1</sup>

<sup>1</sup>Cardiology, Sheba Medical Center, <sup>2</sup>Cardiothoracic Surgery, Sheba Medical Center, Israel

**16:54**

**Gender Differences in Mortality of Candidates for Heart Transplantation in Israel**

Sergei Amunts<sup>1</sup>, Yigal Kassif<sup>1</sup>, Yael Peled<sup>2</sup>, Yedael Har-Zahav<sup>2</sup>, Dov Freimark<sup>2</sup>, Dan Admon<sup>3</sup>, Tuvia Ben Gal<sup>4</sup>, Jacob Lavee<sup>1</sup>

<sup>1</sup>Cardiac Surgery, Leviev Heart Center, <sup>2</sup>Cardiology, Leviev Heart Center, Sheba Medical Center, <sup>3</sup>Cardiology, Hadassah Medical Center, <sup>4</sup>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 Murninkas<sup>1</sup>, Binyamin Ben Avraham<sup>1</sup>, Israel Mats<sup>1</sup>, Tal Hassin<sup>1</sup>, Victor Rubchevsky<sup>2</sup>, Miriam Abuhazira<sup>2</sup>, Dmitry Golubov<sup>2</sup>, Viki Yaari<sup>1</sup>, Yulia Zusman<sup>1</sup>, Benjamin Medalion<sup>2</sup>, Ran Kornowsky<sup>1</sup>, Dan Aravot<sup>2</sup>, Tuvia Ben Gal<sup>1</sup>

<sup>1</sup>Cardiology, Rabin Medical Center, <sup>2</sup>Cardiac 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 Hasin<sup>1</sup>, Eli Lev<sup>2,3</sup>, Dorit Leshem-Lev<sup>3</sup>, Daniel Murninkas<sup>2</sup>, Benjamin Ben-Avraham<sup>2</sup>, Miriam Abuhazira<sup>4</sup>, Dmitry Golubov<sup>4</sup>, Victor Rubchevsky<sup>4</sup>, Dan Aravot<sup>4</sup>, Ran Kornowski<sup>2</sup>, Tuvia Ben-Gal<sup>2</sup>

<sup>1</sup>Cardiology, Shaare Zedek Medical Center, Jerusalem, <sup>2</sup>Cardiology, Rabin Medical Center, <sup>3</sup>Vascular Research, The Felsenstein Medical Research Institute, <sup>4</sup>Cardiothoracic Surgery, Rabin Medical Center, Petah-Tikva, Israel

**17:42**

## **Peripheral Vein Saturation May be Used as a Surrogate Marker for Increased Susceptibility to Gastrointestinal Bleeding in LVAD Patients**

Yaron D. Barac<sup>1</sup>, Victor Rubchevsky<sup>1</sup>, Tuvia Ben-Gal<sup>2</sup>, Ram Sharony<sup>1</sup>, Daniel Murninkas<sup>2</sup>, Miriam Abuhazira<sup>1</sup>, Dimitry Golubov<sup>1</sup>, Victoria Yaari<sup>2</sup>, Tal Hasin<sup>2</sup>, Ben Ben-Avraham<sup>2</sup>, Benjamin Medalion<sup>1</sup>, Eitan Snir<sup>1</sup>, Ran Kornowski<sup>2</sup>, Dan Aravot<sup>1</sup>

<sup>1</sup>The Cardiothoracic Department, Rabin Medical Center, <sup>2</sup>The Cardiology Department, Rabin Medical Center, Petach Tikva, Israel

## **16:30-18:00 AFICARDIO - Management of Cardiotoxicity of Antineoplastic Drugs, Hall J**

**Chairs: Ariel Aaron Cohen, France, Bernard Belhassen, Israel**

**16:30**

### **Pathophysiology of Cardiotoxicity of Antineoplastic Drugs**

Atul Pathak

Chair, Clinical Research

Head of Hypertension and Heart Failure

Director of Onco Cardiology Unit Clinique Pasteur, Toulouse, France

**16:50**

### **Evaluation of Toxicity with Biomarkers**

Zaza Iakobishvili

Israel

**17:10**

### **Cardiac Imaging of Cardiotoxicity**

Avinoam Shiran

Israel

**17:30**

### **Therapies to Prevent Cardiotoxicity**

Stephane Ederhy

Noninvasive Unit, Echocardiography, Cardiology Department

APHP, Saint-Antoine & Tenon Hospital, Pierre et Marie Curie University, Paris, France

**17:50**

Discussion

## **16:30-18:00 Comprehensive Cardiac Imaging, Hall 3**

**Chairs: Tali Sharir, Jonathan Lessick, Israel**

**16:30**

### **Pulmonary Hypertension: A Nomogram Based on CT Pulmonary Angiographic Data for Prediction in Patients without Pulmonary Embolism**

Hezzy Shmueli<sup>2</sup>, Galit Aviram, Sharon Adam<sup>1</sup>, Ahiud Bendet<sup>1</sup>, Tomer Ziv-Baran<sup>5</sup>, Arie Steinvil<sup>2</sup>, Shlomo Berliner<sup>3</sup>, Nahum Neshet<sup>4</sup>, Yanai Ben-Gal<sup>4</sup>, Yan Topilsky<sup>2</sup>

<sup>1</sup>Radiology, TASMC, <sup>2</sup>Cardiology, TASMC, <sup>3</sup>Internal medicine E, TASMC, <sup>4</sup>Cardiothoracic Surgery, TASMC, <sup>5</sup>Epidemiology 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 Milwidsky<sup>1,3</sup>, Yitzhak Hadad<sup>2</sup>, Eugene Soikher<sup>2</sup>, Achiude Bendet<sup>2</sup>, Sharon Greenberg<sup>1</sup>, Yan Topilsky<sup>3</sup>, Tomer Ziv-Baran<sup>4</sup>, Shlomo Berliner<sup>1</sup>, Galit Aviram<sup>2</sup>

<sup>1</sup>Department of Internal Medicine "E", Tel Aviv Sourasky Medical Center, <sup>2</sup>Department of Radiology, Tel Aviv Sourasky Medical Center, <sup>3</sup>Department of Cardiology, Tel Aviv Sourasky Medical Center, <sup>4</sup>Department 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 Solodky<sup>1,2</sup>, Tamir Bental<sup>1,2</sup>, Ariel Gutstein<sup>1,2</sup>, Israel Mats<sup>1,2</sup>, Ran Kornowski<sup>1,2</sup>, Nili Zafrir<sup>1,2</sup>

<sup>1</sup>Cardiology, Rabin Medical Center (Beilinson), Petach Tikva, Dan, <sup>2</sup>Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

17:18

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

Yafim Brodov<sup>1</sup>, Mathews Fish<sup>2</sup>, Heidi Gransar<sup>1</sup>, Daniel Berman<sup>1</sup>, Guido Germano<sup>1</sup>, Piotr Slomka<sup>1</sup>

<sup>1</sup>Nuclear Cardiology and Cardiac Imaging, Cedars Sinai Medical Center, Los Angeles, California, USA, <sup>2</sup>Nuclear Medicine Department, Oregon Heart and Vascular Institute, Sacred Heart Medical Center, Springfield, Oregon, USA

17:30

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

Tali Sharir<sup>1</sup>, Boris Brodtkin<sup>1,3</sup>, Beatriz Hemo<sup>2</sup>, Judith Tsamir<sup>2</sup>, Gil Kovalski<sup>4</sup>, Vitali Prochorov<sup>1</sup>, Andrzej Bojko<sup>1</sup>, Marina Pinski<sup>1</sup>, Konstantine Merzon<sup>1</sup>, Amos Katz<sup>1,3</sup>

<sup>1</sup>Nuclear Cardiology, Assuta Medical Centers, <sup>2</sup>Assessment and Investigation, Maccabi Healthcare Services, Tel Aviv, <sup>3</sup>Cardiology, Barzilai University Medical Center, Ashkelon, <sup>4</sup>Nuclear Medicine, General Electric, Haifa, Israel

17:42

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

Gal Tsaban<sup>1,2</sup>, Arik Wolak<sup>3</sup>, Hila Avni-Hasid<sup>1</sup>, Yftah Gepner<sup>1</sup>, Ilan Shelef<sup>2</sup>, Dan Schwartzfuchs<sup>2,4</sup>, Noa Cohen<sup>1</sup>, Nitzan Bril<sup>1</sup>, Michal Lerner<sup>1</sup>, Dana Serfaty<sup>1</sup>, Shira Kenigsbuch<sup>1</sup>, Lilac Tene<sup>1</sup>, Hila Zelicha<sup>1</sup>, Anat Yaskolka-Meir<sup>1</sup>, Oded Komy<sup>1</sup>, Yoash Chassidim<sup>2</sup>, Benjamin Sarusy<sup>4</sup>, Uta Ceglarek<sup>6</sup>, Michael Stumvoll<sup>6</sup>, Matthias Blüher<sup>6</sup>, Joachim Thiery<sup>6</sup>, Yaakov Henkin<sup>2</sup>, Dror Diker<sup>5</sup>, Assaf Rudich<sup>1</sup>, Meir J Stampfer<sup>7</sup>, Iris Shai<sup>1</sup>

<sup>1</sup>Faculty of Health Sciences, Ben-Gurion University of the Negev, <sup>2</sup>Soroka University, Medical

Center, Be'er-Sheva, <sup>3</sup>Division of Cardiology, Sha'are-Tzedek Medical Center, Jerusalem, Israel  
<sup>4</sup>Nuclear Research Center, Negev, Dimona, <sup>5</sup>Internal Medicine D, Rabin Medical Center, Campus  
Golda, Petach Tikva, Israel, <sup>6</sup>Department of Medicine, University of Leipzig, Leipzig, Saxony,  
Germany, <sup>7</sup>Channing 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 Silber<sup>1</sup>, Ygal Plakht<sup>2</sup>, Arthur Shiyovich<sup>3</sup>, Harel Gilutz<sup>2</sup>

<sup>1</sup>Primary Care Clinic, Clalit Health Services, Gedera, <sup>2</sup>Faculty of Health Sciences, Soroka University Medical Center and Ben-Gurion University of the Negev, Beer-Sheva, <sup>3</sup>Internal Medicine E, Rabin Medical Center, Beilinson Hospital, Petah-Tikva, Israel

**16:42**

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

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

**16:54**

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

Yael Pernick<sup>1</sup>, Jonathan Moore<sup>2</sup>, Hans-Peter Kubis<sup>2</sup>, Itzhak Zyssman<sup>1</sup>, Zvika Vered<sup>1</sup>

<sup>1</sup>Cardiology, Asaf Harofe, Israel

<sup>2</sup>School of Sport, Health, and Exercise Sciences, Bangor University, Bangor, Wales, UK

**17:06**

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

Dahlia Weitzman<sup>1,2</sup>, Lori D. Bash<sup>3</sup>, Ofer Sharon<sup>4</sup>, Assi Milwidsky<sup>5</sup>, Gabriel Chodick<sup>1,2</sup>, Varda Shalev<sup>1,2</sup>

<sup>1</sup>Department of epidemiology and database research, Maccabitech, Maccabi Healthcare Services,

<sup>2</sup>Sackler Faculty of Medicine, Tel-Aviv University, Tel Aviv, Israel

<sup>3</sup>Global Health Outcomes, C.O.R.E., Merck & Company, Inc., Rahway, NJ, USA, <sup>4</sup>Medical Affairs, MSD Israel, Hod Hasharon, <sup>5</sup>Internal department E, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

**17:18**

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

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

**17:30**

**Increase of Biomarkers after the Kalmar Ironman in Male and Female Non-Elite Triathletes**

17:42

**Atherosclerotic Burden and Heart Failure after Myocardial Infarction**

Yariv Gerber<sup>1,2</sup>, Susan Weston<sup>2</sup>, Maurice Enriquez-Sarano<sup>3</sup>, Sheila Manemann<sup>2</sup>, Alanna Chamberlain<sup>2</sup>, Ruoxiang Jiang<sup>2</sup>, Véronique Roger<sup>2,3</sup>

<sup>1</sup>Epidemiology and Preventive Medicine, Tel Aviv University, Tel Aviv, Israel, <sup>2</sup>Health Sciences Research, Mayo Clinic, <sup>3</sup>Cardiovascular Diseases, Mayo Clinic, Rochester, Minnesota, USA

**WEDNESDAY APRIL 13, 2016**

**08:30-10:00 Interventional Cardiology III, Hall A**

**Chairs: Ronen Jaffe, Ariel Roguin, Israel**

08:30

**Comparison of instantaneous wave-free ratio (iFR) and fractional flow reserve (FFR)**

Oranit Shlomi<sup>1</sup>, Eli Lev<sup>2</sup>, Amnon Eitan<sup>1</sup>, Amir Solomonica<sup>1</sup>, Katia Orvin<sup>2</sup>, Sergey Yalonetsky<sup>1</sup>, Eugenia Nikolsky<sup>1</sup>, Anees Musallam<sup>1</sup>, Ariel Roguin<sup>1</sup>

<sup>1</sup>Cardiology, Rambam Medical Center, Haifa, <sup>2</sup>Cardiology, Hasharon Medical Center, Petach Tikva, Israel

08:42

**Trans-catheter Valve Implantation (TAVI) Versus Sutureless Aortic Valve Replacement in Elderly Patients**

Amjad Shalabi<sup>1</sup>, Israel Barbash<sup>2</sup>, Boris Orlov<sup>1</sup>, Alexander Lipey<sup>1</sup>, Amit Segev<sup>2</sup>, Paul Fefer<sup>2</sup>, Micha Feinberg<sup>2</sup>, Alexander Kogan<sup>1</sup>, Elad Maor<sup>2</sup>, Victor Guetta<sup>2</sup>, Ehud Raanani<sup>1</sup>

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

08:54

**Left Ventricular Mass to Coronary Blood Volume Ratio in Patients with Severe Aortic Stenosis Undergoing Transcatheter Aortic valve Implantation**

Ashraf Hamdan<sup>1</sup>, Ella Shaviv<sup>2</sup>, Victor Guetta<sup>2</sup>, Israel Barbash<sup>2</sup>, Orly Goitein<sup>3</sup>, Eli Konen<sup>3</sup>, Amit Segev<sup>2</sup>, Paul Fefer<sup>2</sup>, Abid Assali<sup>1</sup>, Ran Kornowski<sup>1</sup>, Ehud Schwammenthal<sup>2</sup>

<sup>1</sup>Department of Cardiology, Rabin Medical Center, <sup>2</sup>Department of Cardiology, Sheba Medical Center, <sup>3</sup>Department of Diagnostic Imaging, Sheba Medical Center, Israel

09:06

**Iterative Model Reconstruction in Patients Undergoing CT before Transcatheter Aortic Valve Implantation: Reduction of Radiation and Contrast volume**

Ariel Gutstein, Ran Kornowski, Abid Asali, Hanah Vaknin, Ashraf Hamdan  
Cardiology/ Radiology, Rabin Medical Center, Petah Tikva, Israel

09:18

**Novel Insight into the "Geographical Miss Phenomenon": Device Motion Indicator, a New Feature to Evaluate Relative Axial Stent Movement inside Coronary Artery and to Facilitate its Precise Deployment Site**



09:30

**Ventricular Septal Defect as a Complication of TAVI: Mechanism and Incidence**

Vicki Zeniou<sup>1</sup>, Shmuel Chen<sup>1</sup>, Dan Gilon<sup>1</sup>, Amit Segev<sup>2</sup>, Israel Barbash<sup>2</sup>, Ariel Finkelstein<sup>3</sup>, Ronen Beeri<sup>1</sup>, David Planer<sup>1</sup>, Mony Shuvy<sup>1</sup>, Chaim Lotan<sup>1</sup>, Haim D. Danenberg<sup>1</sup>

<sup>1</sup>Cardiology, Hadassah Medical Center, Jerusalem, <sup>2</sup>Cardiology, Sheba Medical Center, <sup>3</sup>Cardiology, Tel Aviv Medical Center, Israel

09:42

**Transcatheter Aortic Valve Replacement in Patients under the Age of 70**

Ehud Regev<sup>1,2</sup>, Victor Guetta<sup>1,2</sup>, Ran Kornowski<sup>3</sup>, Ariel Finkelstein<sup>4</sup>, Katia Orvin<sup>3</sup>, Amir Halkin<sup>4</sup>, Uri Landes<sup>3</sup>, Arik Steinvil<sup>4</sup>, Amos Levi<sup>3</sup>, Jeremy Ben Shoshan<sup>4</sup>, Israel Barbash<sup>1,2</sup>, Paul Fefer<sup>1,2</sup>, Amit Segev<sup>1,2</sup>

<sup>1</sup>Levi Heart Center, Sheba Medical Center, Tel Hashomer, <sup>2</sup>Sackler School of Medicine, Tel Aviv University, Tel Aviv, <sup>3</sup>Cardiology, Rabin Medical Center, Petach Tikva, <sup>4</sup>Heart 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 Schwartzberg, Alexander Sagie, Shirit Kazum, Mordechai Vaturi, Daniel Monakier, Ran Kornowski, Yaron Shapira  
Cardiology, Rabin Medical Center, Beilinson Hospital, Petach Tikva, Israel

08:54

**Impact of Negative Trans-thoracic Echocardiography in the Diagnosis of Infective Endocarditis**

Marina Leitman<sup>1,2</sup>, Eli Peleg<sup>1,2</sup>, Ruthie Shmueli<sup>1</sup>, Zvi Vered<sup>1,2</sup>

<sup>1</sup>Department of Cardiology, Assaf Harofeh Medical Center, <sup>2</sup>Sackler School of Medicine, Tel Aviv University, Israel

09:06

**"Sound-based" Compared to "Ultrasound-based" Diagnosis of Valvular Pathologies by Final Year Medical Students**

Lior Zeller<sup>1</sup>, Tomer Maman<sup>1</sup>, Tali Shafat Fainguelernt<sup>1</sup>, Ianiv Fainguelernt<sup>1</sup>, Leonid Barski<sup>1</sup>, Sergio L. Kobal<sup>2</sup>

<sup>1</sup>Internal Medicine F, <sup>2</sup>Cardiology Department, Soroka University Medical Center, Beer-Sheva, Israel

09:18

## **Mechanisms of Effort Intolerance in Patients with Rheumatic Mitral Stenosis: Combined Echo and Cardio-Pulmonary Stress Protocol**

Yan Topilsky, Michal Laufer-Perl, Simon Biner, Gad Keren  
*Cardiology, Tel Aviv Medical center, Tel Aviv, Israel*

**09:30**

## **Impact of Tricuspid Regurgitation and Right Ventricular Dysfunction on Outcome of Patients Undergoing Trans-catheter Aortic Valve Replacement**

Zach Rozenbaum, Ariel Finkelstein, Gad Keren, Simon Biner, Yan Topilsky  
*Cardiology, Tel Aviv Medical center, Tel Aviv, Israel*

**09:42**

## **Organic vs. Functional Mitral Regurgitation in Patients Undergoing Transcatheter Aortic Valve Implantation for Severe Aortic Stenosis**

Elisha Ouzan<sup>1</sup>, Bryan Kindya<sup>2</sup>, Israel Gotsman<sup>1</sup>, Vasilis Babaliaros<sup>2</sup>, Ehan Gonen<sup>1</sup>, Stamatios Lerakis<sup>2</sup>, Eran Karayel<sup>1</sup>, Vinod Thourani<sup>2</sup>, Haim Danenberg<sup>1</sup>, Chaim Lotan<sup>1</sup>, Ronen Beeri<sup>1</sup>, Dan Gilon<sup>1</sup>, Kreton Mavromatis<sup>2</sup>

<sup>1</sup>Heart Institute, Hadassah Hebrew University Medical Center, Jerusalem, Israel, <sup>2</sup>Heart Institute, Emory University Medical Center, Atlanta, Georgia, USA

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

**08:30**

## **Treatment and Outcomes in Elderly and Very Elderly Patients Aged 75-85 and $\geq 85$ Years with Atrial Fibrillation. A Prospective National Study**

Yoav Arnson<sup>1,2,3</sup>, Orna Reges<sup>2</sup>, Moshe Hoshen<sup>2</sup>, Yardena Rabi<sup>2</sup>, Ran Balicer<sup>2</sup>, Morton Leibowitz<sup>2</sup>, Moti Haim<sup>2,4,5</sup>

<sup>1</sup>Cardiology Department, Meir Medical Center, <sup>2</sup>Research Institute, Clalit Health Services, <sup>3</sup>Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, <sup>4</sup>Cardiology Department, Soroka Medical Center, Beer Sheva, <sup>5</sup>Faculty of Health Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel

**08:42**

## **Gender Differences in Success Rates of Catheter Ablation of Atrial Fibrillation**

Avi Sabbag<sup>1</sup>, Younis Orwa<sup>1</sup>, Yasmin Farhadian<sup>1</sup>, David Luria<sup>2</sup>, Osnat Gurevitz<sup>1</sup>, Eyal Nof<sup>1</sup>, Michael Glikson<sup>1</sup>, Roy Beinart<sup>1</sup>

<sup>1</sup>Leviev Heart Institute, The Chaim Sheba Medical Center, Tel-Hashomer, Ramat-Gan, <sup>2</sup>Cardiology, Hadassah Medical Center, Jerusalem, Israel

**08:54**

## **Poor Heart Rate Reserve Predicts New Onset Atrial Fibrillation in Middle Aged Adults**

Avi Sabbag<sup>1</sup>, Yehezkel Sidi<sup>2</sup>, Shaye Kivity<sup>2</sup>, Roy Binart<sup>1</sup>, Shlomo Segev<sup>3</sup>, Michael Glikson<sup>1</sup>, Ilan Goldenberg<sup>1</sup>, Elad Maor<sup>1</sup>

<sup>1</sup>Leviev Heart Institute, The Chaim Sheba Medical Center, Tel-Hashomer, <sup>2</sup>Department of Internal Medicine C, The Chaim Sheba Medical Center, Tel-Hashomer, Israel, <sup>3</sup>Institute for Medical Screening, The Chaim Sheba Medical Center, Tel-Hashomer Ramat Gan, Israel

**09:06**

## **A New CARTO® Segmentation Module Software to Facilitate Ablation of Arrhythmias**

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-Farkash<sup>1</sup>, Avi Sabbag<sup>2</sup>, Yoav Michowitz<sup>3</sup>, Vladimir Khalameizer<sup>1</sup>, Aharon Glick<sup>3</sup>, Amos Katz<sup>1</sup>, Michael Glikson<sup>2</sup>

<sup>1</sup>*Electrophysiology Unit, Cardiology Department, Barzilai Medical Center and the Faculty of Health Sciences, Ben-Gurion University of the Negev, Ashkelon*, <sup>2</sup>*Davidai Arrhythmia Center, Leviev Heart Center, Sheba Medical Center, Tel Hashomer*, <sup>3</sup>*The 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 Chorin<sup>1</sup>, Rivki Taub<sup>2</sup>, Aron Medina<sup>2</sup>, Nir Flint<sup>1</sup>, Sami Viskin<sup>1</sup>, Jesaia Benhorin<sup>1</sup>

<sup>1</sup>*Cardiology, Tel Aviv Sourasky Medical Center, Tel Aviv*, <sup>2</sup>*Cardiology, 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

President, Society of Cardiovascular CT

Chairman, Department of Radiology, Providence Health Care, Vancouver, 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 Kerner<sup>1</sup>, Sobhi Abadi<sup>2</sup>, Roy Dotan<sup>3</sup>, Marcia Javitt<sup>2</sup>, Jonathan Lessick<sup>1</sup>

<sup>1</sup>*Cardiology*, <sup>2</sup>*Radiology, Rambam Medical Centre*, <sup>3</sup>*CT 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 Barkagan<sup>1</sup>, Yan Topilsky<sup>1</sup>, Arie Steinvil<sup>1</sup>, Galit Aviram<sup>2</sup>, Jeremy Ben-Shoshan<sup>1</sup>, Leehee Barak<sup>1</sup>, Ariel Finkelstein<sup>1</sup>, Shmuel Banai<sup>1</sup>, Gad Keren<sup>1</sup>, Haim Shmilovich<sup>1</sup>  
<sup>1</sup>Cardiology, <sup>2</sup>Radiology, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel

09:14

**Automated 4-dimensional Regional Myocardial Strain Evaluation using Cardiac Computed Tomography**

Zvi Peled<sup>1</sup>, Yehiel Lamash<sup>3</sup>, Keren Biton-Worms<sup>1</sup>, Gil Bolotin<sup>1</sup>, Anath Fischer<sup>3</sup>, Jonathan Lessick<sup>2</sup>  
<sup>1</sup>Cardiothoracic Surgery, <sup>2</sup>Cardiology, Rambam Medical Centre, <sup>3</sup>Mechanical 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 Goitein<sup>1</sup>, Noam Fink<sup>2</sup>, Victor Guetta<sup>2</sup>, Roy Beinart<sup>2</sup>, David Luria<sup>3</sup>, Eli Konen<sup>1</sup>, Elio Di Segni<sup>1</sup>, Michael Glikson<sup>2</sup>  
<sup>1</sup>Diagnostic Imaging, Sheba Medical Center, <sup>2</sup>Heart Institute, Sheba Medical Center, Ramat-Gan, <sup>3</sup>Department of Cardiology, Hadassah Medical Center, Jerusalem, Israel

09:38

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

Orly Goitein<sup>1</sup>, Orna Komisar<sup>1</sup>, Israel Barbash<sup>2</sup>, Victor Guetta<sup>2</sup>, Amit Segev<sup>2</sup>, Paul Fefer<sup>2</sup>, Elad Asher<sup>2</sup>, Sagit Ben Zikri<sup>2</sup>, Anat Berkovitz<sup>2</sup>, Ashraf Hamdan<sup>3</sup>, Elio Di Segni<sup>1</sup>, Boris Orlov<sup>2</sup>, Eli Konen<sup>1</sup>, Yafim Brodov<sup>1,2</sup>  
<sup>1</sup>Diagnostic Imaging, <sup>2</sup>Heart Institute, Sheba Medical Center, Ramat Gan, <sup>3</sup>Department 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**

08:30

**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-Meer<sup>1,2</sup>, Lena Cohen<sup>1,2</sup>, Ran Levy<sup>1</sup>, Einat Hertzberg-Bigelman<sup>1,2</sup>, Jeremy Ben-Shoshan<sup>1,2</sup>, Gad Keren<sup>1,2</sup>  
<sup>1</sup>Cardiology, Cardiovascular Research Laboratory, <sup>2</sup>Cardiology, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel

08:42

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

Lilach Gavish<sup>1</sup>, Ronen Beeri<sup>2</sup>, Dan Gilon<sup>2</sup>, Chen Rubinstein<sup>3</sup>, Yacov Berlatzky<sup>3</sup>, S. David Gertz<sup>1</sup>

<sup>1</sup> Institute for Medical Research (IMRIC), The Hebrew University--Hadassah Medical School, Jerusalem, Israel, <sup>2</sup> Department of Cardiology, The Hebrew University--Hadassah Medical School and Hadassah University Hospital, Jerusalem, Israel, <sup>3</sup> Department of Vascular Surgery, The Hebrew University--Hadassah Medical School and Hadassah University Hospital, Jerusalem, Israel

08:54

## **Characterization of Surface Markers of Reticulated Young Platelets Compared with Mature Platelets**

Adi Lador<sup>1</sup>, Dorit Leshem-Lev<sup>2</sup>, Galia Spectre<sup>4</sup>, Aryeh Abelow<sup>3</sup>, Ran Kornowski<sup>1</sup>, Eli Lev<sup>1</sup>

<sup>1</sup>Cardiology Department, Rabin Medical Center, Beilinson Campus, Petah-Tikva, Israel

<sup>2</sup>The Felsenstein Medical Research Center, Rabin medical center, Beilinson Campus, <sup>3</sup>Internal Medicine A, Rabin Medical Center, <sup>4</sup>Department of Hematology, Rabin Medical Center, Beilinson Campus, Petah-Tikva, Israel

09:06

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

Shai Tejman Yarden<sup>1,2</sup>, Leng Ky<sup>3</sup>, Ofer Levi<sup>4</sup>, Yisrael Parmet<sup>4</sup>, Michael Saunders<sup>5</sup>, Imanuel Lerman<sup>6</sup>, Haim Berkenstadt<sup>7</sup>, Yonina Eldar<sup>8</sup>, Pavel Lifshits<sup>8</sup>, James C Perry<sup>2</sup>, Dewleen G Baker<sup>6</sup>, Tobias Moeller-Bertram<sup>3,6</sup>

<sup>1</sup>Pediatric Cardiology, Sheba Medical Center, Ramat Gan, Israel, <sup>2</sup>Pediatric Cardiology,

<sup>3</sup>Anesthesiology, UCSD, CA, USA, <sup>4</sup>Department of Industrial Engineering and Management, Ben Gurion University, Israel, <sup>5</sup>Department of Industrial Engineering and Management, Stanford University, <sup>6</sup>Center of Excellence for Stress and Mental Health, Veterans Affairs, <sup>7</sup>Anesthesiology, Sheba Medical Center, CA, USA, <sup>8</sup>The department of Electrical engineering, The Technion, Israel Institute of Technology, Haifa, Israel

09:18

## **First Description of Complete Deletion of the Lipoprotein Lipase Gene**

Sara Hoss<sup>1</sup>, Shosi Shpitzen<sup>1</sup>, Eran Leitersdorf<sup>1</sup>, Daniel Schurr<sup>1</sup>, Eti Granot<sup>2</sup>, Chaim Lotan<sup>1</sup>, Ronen Durst<sup>1</sup>

<sup>1</sup>Department of Cardiology, Hadassah Medical Center, Jerusalem, <sup>2</sup>Department of Pediatrics, Kaplan Medical Center, Rehovot, Israel

09:30

## **Is Pulmonary Microvascular Recruitment Possible during Supine Bicycle Exercise?**

David Langleben<sup>1</sup>, Stylianos Orfanos<sup>2</sup>, Michele Giovinazzo<sup>1</sup>, Robert Schlesinger<sup>1</sup>, Fay Blenkhorn<sup>1</sup>, John Catravas<sup>3</sup>

<sup>1</sup>Center for Pulmonary Vascular Disease, Div. of Cardiology, Jewish General Hospital, McGill University, Montreal, Quebec, Canada, <sup>2</sup>Pulmonary Hypertension Clinic, Dept. of Critical Care, Attikon Hospital, University of Athens, Athens, Greece, <sup>3</sup>Frank Reidy Research Center for Bioelectrics, Old Dominion University, Norfolk, VA, USA

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

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

08:30

### **Cardiac Surgery in SA – Past, Present and Future**

Robert Kleinloog

South Africa

08:42

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

08:54

**A Single Institution's Experience with Complex Thoracic Aortic Surgery in Resource Restricted Environment**

E Zigiariadis, 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<sup>1</sup>, Eyal Leshem<sup>1</sup>, Paul Pirundini<sup>2</sup>, Carrie Consalvi<sup>2</sup>, Kevin Lilly<sup>2</sup>, Quincy King<sup>2</sup>, Dan Loberman<sup>2</sup>

<sup>1</sup>*Department of Medicine C, Sheba Medical Center at Tel Hashomer, Israel and the Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel,* <sup>2</sup>*Division 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 Williams<sup>1,2</sup>, James Misurka<sup>1</sup>, Carolyn Y Ho<sup>3</sup>, Wan-Xian Chan<sup>1</sup>, Anna Woo<sup>1</sup>, Yoram Agmon<sup>4</sup>, Christine Seidman<sup>3</sup>, Harry Rakowski<sup>1</sup>, Shemy Carasso<sup>1</sup>

<sup>1</sup>*HCM Clinic, Division of Cardiology, Toronto General Hospital, University Health Network, Toronto, Ontario (ON), Canada,* <sup>2</sup>*Department of Cardiology, Papworth Hospital NHS Foundation Trust, Cambridge, UK,* <sup>3</sup>*Cardiovascular Division, Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts, USA,* <sup>4</sup>*Cardiology, 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 Ghersin<sup>1</sup>, Eduard Ghersin<sup>4</sup>, Sobhi Abadi<sup>3</sup>, Doron Aronson<sup>2</sup>, Jonathan Lessick<sup>2</sup>

<sup>1</sup>*Medical Corps, Israel Defence Force,* <sup>2</sup>*Cardiology,* <sup>3</sup>*Radiology, Rambam Medical Centre, Haifa, Israel,* <sup>4</sup>*Radiology, 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 Volodarsky<sup>1</sup>, Irena Fugenfirov<sup>1</sup>, Eran Neumark<sup>2</sup>, Liaz Zilberman<sup>1</sup>, Jacob George<sup>1</sup>, Sorel Goland<sup>1</sup>

<sup>1</sup>The Heart Institute, Kaplan Medical Center, Rehovot, <sup>2</sup>Department 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 Shotan<sup>1</sup>, Uri Elkayam<sup>2</sup>, Iris van Hagen<sup>3</sup>, Alicia Vazan<sup>1</sup>, Simcha R Meisel<sup>1</sup>, David S Blondheim<sup>1</sup>, Michael Shochat<sup>1</sup>, Aharon Frimerman<sup>1</sup>, Lubov Vasilenko<sup>1</sup>, Sorel Goland<sup>4</sup>, Alex Blatt<sup>5</sup>, Jolien W Roos-Hesselink<sup>3</sup>

<sup>1</sup>Heart Institute, Hillel Yaffe Medical Center, Hadera, Israel, <sup>2</sup>Department of Medicine, Division of Cardiology, USC-LAC Medical Center, Los Angeles, CA, USA, <sup>3</sup>Cardiology, Erasmus University Medical Center, Rotterdam, Netherlands, <sup>4</sup>Cardiology, Kaplan Medical Center, Rehovot, <sup>5</sup>Cardiology, Assaf Harofeh Medical Center, Zerifin, Israel

09:18

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

Zaza Iakobishvili<sup>1,4</sup>, Moti Vaturi<sup>1,4</sup>, Hadas Ofek-Epstein<sup>1</sup>, Alexander Sagie<sup>1,4</sup>, Baruch Brenner<sup>2,4</sup>, Rinat Yerushalmi<sup>2,4</sup>, Pia Raanani<sup>3,4</sup>, Ran Kornowski<sup>1,4</sup>

<sup>1</sup>Cardiology, <sup>2</sup>Institute of Oncology, Davidoff Cancer Center, Center, <sup>3</sup>Institute of Hematology, Davidoff Cancer Center, Rabin Medical Center, Petah Tikva, <sup>4</sup>Sackler 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 Balmor<sup>2</sup>, Michael Segel<sup>2</sup>, Paul Fefer<sup>1</sup>, Elad Maor<sup>1</sup>, Jonathan Buber<sup>1</sup>, Sagit Ben Zekry<sup>1</sup>, Elio DiSegni<sup>1</sup>, Issahar Ben-Dov<sup>1</sup>, Amit Segev<sup>1</sup>

<sup>1</sup>The Heart Center, <sup>2</sup>The Pulmonary Institute, Chaim Sheba Medical Center, Tel Hashomer, Israel

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

08:30

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



Katia Orvin<sup>1</sup>, Yaron Barac<sup>2</sup>, Ran Kornowski<sup>1</sup>, Leor Perl<sup>1</sup>, Pablo Codner<sup>1</sup>, Victor Rubchevsky<sup>2</sup>, Ram Sharoni<sup>2</sup>, Eitan Snir<sup>2</sup>, Dan Aravot<sup>2</sup>, Eli Lev<sup>1</sup>  
<sup>1</sup>Cardiology, <sup>2</sup>Cardiothoracic, 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 Krantz<sup>1,2</sup>, Amneet Sandhu<sup>2</sup>, David Kao<sup>2</sup>, Mark Haigney<sup>3</sup>, Philip Mehler<sup>2</sup>  
<sup>1</sup>Medicine, <sup>2</sup>Medicine, University of Colorado, Denver, Colorado, <sup>3</sup>Medicine, Uniformed Services University, Bethesda, Maryland, USA

08:54

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

Elisha Ouzan

*Heart Institute, Hadassah Hebrew University Medical Center, Jerusalem, Israel*

09:06

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

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

09:18

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

Bruria Raccach<sup>1,2</sup>, Amichai Perlman<sup>1,3</sup>, Haim Danenberg<sup>2</sup>, Arthur Pollak<sup>2</sup>, Mordechai Muszkat<sup>4</sup>, Ilan Matok<sup>1</sup>

<sup>1</sup>Division of Clinical Pharmacy, School of Pharmacy, Faculty of Medicine, Hebrew University of Jerusalem, <sup>2</sup>Department of cardiology, Hadassah University Hospital, <sup>3</sup>Department of Medicine, Hadassah University Hospital, <sup>4</sup>Department of Medicine, Division of Clinical Pharmacology, Hadassah University Hospital, Jerusalem, Israel

09:30

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

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

09:42

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

Avi Porath<sup>1</sup>, Jonathan Eli Arbelle<sup>2</sup>, Naama Fund<sup>3</sup>, Assaf Cohen<sup>3</sup>, Morris Mosseri<sup>4</sup>  
<sup>1</sup>Office of Chief Physician, Health Service Research department, Tel Aviv, <sup>2</sup>Southern Region, Maccabi Health Services, Beer Sheva, <sup>3</sup>Health Service Research department, Maccabi Health Services, Tel Aviv, <sup>4</sup>Cardiology Division, Meir Medical Center, Kfar-Saba, Israel

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

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

**Chairs: Michael Glikson, Ronen Rubinshtein, Israel Heart Society**

**Gil Bolotin, Erez Kachel, Israel Society of Cardio Thoracic Surgery, Hall ABC**

10:30

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

11:10 -12:30

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

11:10

**The Use of Chest Pain Centers to Improve Patient Care, As well as Guidelines Adherence and System Efficiency**

Richard Chazal

President, American College of Cardiology

Medical Director, Heart and Vascular Institute, Lee Memorial Health System, USA

11:30

**Stem Cell Research in Cardiology**

Lior Gepstein

Israel

11:50

**Challenges Facing a Female Cardiologist**

Cindy L. Grines

Vice President Academic and Clinical Affairs

DMC Heart Hospital, Detroit, MI, USA

12:10

**Heart Failure: Current Therapies and New Horizons**

Mary N. Walsh

President Elect, American College of Cardiology

Medical Director, Heart Failure and Cardiac Transplantation

St Vincent Heart Center of Indiana, USA

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

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

**From Rcts and Rwd to Your Own Practical Choices**

**Chairperson: Michael Glikson, President Israel Heart Society, Eli Lev, Israel**

**13:00-13:12 - NOACs Efficacy in Unique Population**

Shlomi Matetzky,

Israel

**13:12-13:24 - HOT Bleeding Issues**

Raphael Rosso,

Israel

**13:24-13:36- Stretching the Limits of NOACs Management**

Eli Lev,

Israel

**13:36-14:00 - Imagination, Creativity and Adaptive Decisions as Principle-Mechanisms of the Human Brain**

Eilon Vaadia,

The Edmond and Lily Safra Center for Brain Sciences (Director)  
The Jack H. Skirball Chair & Fund in Brain Research  
Department of Medical Neurobiology, IMRIC, Faculty of Medicine  
The Hebrew University of Jerusalem, Israel

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

---

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

**EnTRESTo – Redefine Heart Failure Treatment**

**Chairman: Prof. Offer Amir,**

**Director of the cardio-vascular department, Poriya Medical Center, Israel**

**12:30-12:50** Lunch

**12:50-13:05** Entresto- Difficult Questions, Easy Answers

**13:05-14:20** Case Studies and Interactive Panel Discussion

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

---

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

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

**13:00 – 13:30: Xarelto – Real World Data**

Fausto J. Pinto,

President,

European Society of Cardiology,

Lisbon University Medical School, Lisbon, Portugal

**13:30 – 14:00: Adempas for Chronic Thromboembolic Pulmonary Hypertension**

David Langleben,

Director, Center for Pulmonary Vascular Disease,

Division of Cardiology, Jewish General Hospital,

Professor of Medicine, McGill University, Montreal, Canada

**14:30-16:00 Plenary IV – Joint Session: American Heart Association (AHA) – Israel Heart Society (IHS)**

**Chairs: Mark Creager, USA, Ronen Rubinshtein, Israel, Gil Bolotin, Israel, Hall ABC**

**14:30**

**The Crisis of Diabetes and Cardiovascular Disease: Strategies to Improve Cardiovascular Outcomes**

Mark A. Creager

President, American Heart Association

Director of Vascular Medicine, Brigham and Women's Hospital, Boston, MA, USA

14:50

**Israeli Innovations in Cardiovascular Medicine: The "Start Up" Nation Ecosystem**

Ran Kornowski

Israel

15:10

**Assessing the Mitral Valve: Value of 3D Imaging**

Roberto M. Lang

Past President of the American Society of Echocardiography

Director Noninvasive Cardiac Imaging Laboratories Section of Cardiology Department of Medicine University of Chicago Medical Center, Chicago, IL, USA

15:30

**Percutaneous Versus Conventional Aortic and Mitral Valve Interventions: State of the Art, Future Directions and the Role of the Surgeon**

Michael Reardon

Allison Family Distinguished Chair of Cardiovascular Research

Houston Methodist DeBakey Heart & Vascular Center, Houston, TX, USA

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

**16:30-18:00 Joint Session: The Israel Interventional Cardiology Working Group and the Israel Society of Cardiothoracic Surgery, Hall A**

**Chairs: Gideon Sahar, Abid Assali, Israel**

16:30

**Heart Team at Soroka University Medical Center: From Concept to Practice**

Yaron Ishay<sup>1</sup>, Lior Raichel<sup>1</sup>, Oren Lev-Ran<sup>1</sup>, Menachem Matsa<sup>1</sup>, Avshalom Cohen<sup>2</sup>, Carlos Cafri<sup>2</sup>, Doron Zagher<sup>2</sup>, Gideon Sahar<sup>1</sup>

<sup>1</sup>The Department of Cardiothoracic Surgery, <sup>2</sup>The Department of Cardiology, Soroka University Medical Center, Beer-Sheva, Israel

16:42

**Surgical Results of the First Pre-designed "Heart Team" in Israel: One-Year Follow-up**

Offer Amir<sup>1</sup>, Erez Kachel<sup>1</sup>, Abbed-al-Wahab Darawshe,<sup>1</sup> Marwan Armaly<sup>1</sup>, Roman Altshuler<sup>1</sup>, Eyal Nachum<sup>2</sup>, Amgad Shalabi<sup>2</sup>, Leonid Sternik<sup>2</sup>, Alexander Lipey<sup>2</sup>, Diab Sammer<sup>1</sup>, Alexander Kogan<sup>2</sup>, Diab Ghanim<sup>1</sup>, Fabio Kuzniec<sup>1</sup>, Shemy Carasso<sup>1</sup>, David Meerkin<sup>1</sup>, Ehud Raanani<sup>2</sup>

<sup>1</sup>Cardio-Vascular Division, Poriya Medical Center & Faculty of Medicine, Bar-Ilan University, Tiberias, <sup>2</sup>Cardiothoracic 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<sup>2</sup>, Rephael Mohr<sup>1,2</sup>, Dmitry Pevni<sup>1,2</sup>, Amir Kramer<sup>1,2</sup>, Nachum Neshet<sup>1,2</sup>, Yossi Paz<sup>1,2</sup>, Benjamin Medalion<sup>1,2</sup>, Yani Ben-Gal<sup>1,2</sup>

<sup>1</sup>*Department of Cardiothoracic Surgery, Tel Aviv Sourasky Medical Center, <sup>2</sup>Sackler 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<sup>1</sup>, Pevni Dmitry<sup>1</sup>, Yanai Ben-Gal<sup>1</sup>, Rephael Mohr<sup>1</sup>, Yosef Paz<sup>1</sup>, Amir Kramer<sup>1</sup>, Nahum Neshet<sup>1</sup>, Benjamin Medalion<sup>2</sup>

<sup>1</sup>*Department of Cardiovascular Surgery, Sourasky Medical Center, Tel Aviv, <sup>2</sup>Department of Cardiovascular Surgery, Belinson, Petach Tikva, Israel*

17:30

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

Amos Levi, Ran Kornowski, Hana Vaknin-Assa, Gabriel Greenberg, Abid Assali, Eli Lev

*Cardiology, Rabin Medical Center, Israel*

17:42

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

Esther Arfi-Levy, Nahum Neshet, Yanai Ben-Gal, Yosef Paz, Rephael Mohr, Zvi Raviv, Amir Ganiel, Amir Kramer, Dmitry Pevni

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

## **16:30-18:00 Echocardiography: General, Hall B**

### **Chairs: Noah-Liel Cohen, Zvi Vered, Israel**

16:30

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

Avi Shimony<sup>1,2</sup>, Lawrence Rudski<sup>2</sup>, Andrew Hirsch<sup>2</sup>, Margaret Beddaoui<sup>3</sup>, Arash Akaberi<sup>3</sup>, David Anderson<sup>4</sup>, Philip S Wells<sup>5</sup>, Marc Rodger<sup>6</sup>, Susan Solymoss<sup>7</sup>, Michael Kovacs<sup>8</sup>, Carole Dennie<sup>9</sup>, Chris Rush<sup>10</sup>, William H Geerts<sup>11</sup>, Paul Hernandez<sup>4</sup>, Shawn Aaron<sup>5</sup>, John T Granton<sup>12</sup>, Susan Kahn<sup>13</sup>

<sup>1</sup>*Cardiology, Ben Gurion University, Soroka Medical Center, Israel, <sup>2</sup>Medicine, Jewish General Hospital, <sup>3</sup>Center for Clinical Epidemiology, Lady Davis Institute, Montreal, QC, <sup>4</sup>Medicine, Dalhousie University, Halifax, NS, <sup>5</sup>Medicine, The University of Ottawa, Ottawa, ON, <sup>6</sup>Hematology, The University of Ottawa, Ottawa, ON, <sup>7</sup>Medicine, McGill University, Montreal, QC, <sup>8</sup>Medicine, Hematology, University of Western Ontario, London, ON, <sup>9</sup>Diagnostic Imaging, The University of Ottawa, Ottawa, ON, <sup>10</sup>Nuclear Medicine, Jewish General Hospital, Montreal, QC, <sup>11</sup>Medicine, Sunnybrook Health Sciences Centre, Toronto, ON, <sup>12</sup>Medicine, University of Toronto, Toronto, ON, <sup>13</sup>Center 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 Yarden<sup>1</sup>, Tanya Chernyakova<sup>2</sup>, Regev Cohen<sup>2</sup>, Yonina Eldar<sup>2</sup>  
<sup>1</sup>*Pediatric Cardiology, Sheba Medical Center, Ramat Gan*, <sup>2</sup>*The 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 Shimron<sup>1</sup>, Yevgeni Hazanov<sup>2</sup>, Nabeeh Salman<sup>2</sup>, Diab Ghanim<sup>2</sup>, Wadia Kinany<sup>2</sup>, Offer Amir<sup>1,2</sup>, Shemy Carasso<sup>1,2</sup>  
<sup>1</sup>*Galilee School of Medicine, Bar-Ilan University, Zefat*, <sup>2</sup>*Cardiovascular 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 Kobal<sup>1</sup>, Yotam Lior<sup>3</sup>, Alon Ben-Sasson<sup>3</sup>, Noah Liel-Cohen<sup>1</sup>, Lior Fuchs<sup>2</sup>  
<sup>1</sup>*Cardiology Department*, <sup>2</sup>*Department of Medical Intensive Care*, <sup>3</sup>*Clinical 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 Eitan<sup>1</sup>, Izhak Kehat<sup>1,2</sup>, Diab Mutlak<sup>1,2</sup>, Yoram Agmon<sup>1,2</sup>  
<sup>1</sup>*Cardiology, Rambam Medical Center*, <sup>2</sup>*Faculty of Medicine, Technion, Haifa, Israel*

17:42

**Speckle Tracking Imaging Parameters in non-Ischemic Stress Echocardiography**

Marina Leitman<sup>1,2</sup>, Vladimir Tyomkin<sup>1</sup>, Eli Peleg<sup>1,2</sup>, Izhak Zissman, Izhak Zissman<sup>1</sup>, Simha Rosenblatt<sup>1</sup>, Edgar Sucher<sup>1</sup>, Vered Gercenshtein<sup>1</sup>, Zvi Vered<sup>1,2</sup>  
<sup>1</sup>*Department of Cardiology, Assaf Harofeh Medical Center*, <sup>2</sup>*Sackler 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 Barsheshet<sup>1,2</sup>, Valentina Kutiyfa<sup>2</sup>, Theodora Vamvouris<sup>1</sup>, Arthur J Moss<sup>2</sup>, Yitschak Biton<sup>2</sup>, Leway Chen<sup>2</sup>, Eugene Storzynsky<sup>2</sup>, Chingping Wan<sup>3</sup>, Steve Szymkiewicz<sup>3</sup>, Ilan Goldenberg<sup>2,4</sup>  
<sup>1</sup>*Cardiology, Rabin Medical Center, Petah Tikva, Israel*, <sup>2</sup>*Cardiology, University of Rochester*

16:42

**Potent Inhibition of hERG Channels in a Mammalian Cell Line by the Anti-Diarrheal Agent Loperamide**

Mori Krantz<sup>1</sup>, Michael Klein<sup>2</sup>, Philip Mehler<sup>1</sup>, Naheed Fatima<sup>2</sup>, Thomas Flagg<sup>2</sup>, Mark Haigney<sup>2</sup>  
<sup>1</sup>Medicine, University of Colorado, Denver, CO, USA  
<sup>2</sup>Cardiology, USU, Bethesda, MD, USA

16:54

**Incidence of Arrhythmia Induced Cardiomyopathy and Predictors for Recovery**

Moshe Katz<sup>1</sup>, Eyal Nof<sup>1</sup>, Amit Meitus<sup>2</sup>, Avi Sabagg<sup>1</sup>, Younis Orwa<sup>1</sup>, Ilan Goldenberg<sup>1</sup>, Robert Klempfner<sup>1</sup>, Micha Feinberg<sup>1</sup>, Michael Eldar<sup>1</sup>, Michael Glikson<sup>1</sup>, Roy Beinart<sup>1</sup>  
<sup>1</sup>Cardiology, Sheba Medical Center, <sup>2</sup>Medicine, 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 Katz<sup>1</sup>, Eyal Nof<sup>1</sup>, Amit Meitus<sup>2</sup>, Avi Sabagg<sup>1</sup>, Younis Orwa<sup>1</sup>, Ilan Goldenberg<sup>1</sup>, Robert Klempfner<sup>1</sup>, Micha Feinberg<sup>1</sup>, Michael Eldar<sup>1</sup>, Michael Glikson<sup>1</sup>, Roy Beinart<sup>1</sup>  
<sup>1</sup>Cardiology, Sheba Medical Center, <sup>2</sup>Medicine, Tel-Aviv University, Israel

17:18

**CHADSVASC Score is Predictive of Mortality in ICD Recipients**

Nicholay Teodorovich<sup>1</sup>, Yonatan Kogan<sup>1</sup>, Hilel Steiner<sup>2</sup>, Mahmoud Suleiman<sup>3</sup>, Ilan Goldenberg<sup>4</sup>, Moshe Swissa<sup>1</sup>  
<sup>1</sup>Cardiology, Kaplan Hospital, Rehovot, <sup>2</sup>Cardiology, Puria Hospital, Tiberias, <sup>3</sup>Cardiology, Rambam Hospital, Haifa, <sup>4</sup>Cardiology, 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 Kazatsker<sup>1</sup>, Sergiu Sabetay<sup>2</sup>, Maguli Barel<sup>1</sup>, Avraham Shotan<sup>1</sup>, Yaron River<sup>2</sup>  
<sup>1</sup>Department of Cardiology, <sup>2</sup>Department of Neurology, Hillel Yaffe Medical Center, Hadera, Israel

**16:30-18:00 Acute Coronary Syndromes, Hall H  
Chairs: Shlomi Matetzky, Doron Aronson, Israel**

16:30

**Adherence with Guidelines for NSTEMI-ACS in the Emergency Department**

Harel Gilutz<sup>1</sup>, Sevatlana Shindel<sup>2</sup>, Ilana Shoham-Vardi<sup>2</sup>

<sup>1</sup>*School of Medicine, Faculty of Health Sciences,* <sup>2</sup>*Department 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 Levi<sup>1,2</sup>, Alon Eisen<sup>1,2</sup>, Guy Topaz<sup>1,2</sup>, Aviv Shaul<sup>1,2</sup>, Hana Vaknin-Assa<sup>1,2</sup>, Tamir Bental<sup>1,2</sup>, Gabriel Greenberg<sup>1,2</sup>, Eldad Rechavia<sup>1,2</sup>, Eli Lev<sup>1,2</sup>, Ran Kornowski<sup>1,2</sup>, Abid Assali<sup>1,2</sup>

<sup>1</sup>*Cardiology, Rabin Medical Center, Petach Tikva,* <sup>2</sup>*Sackler 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 Erez<sup>1</sup>, Ilan Goldenberg<sup>1</sup>, Avi Sabbag<sup>1</sup>, Eyal Nof<sup>1</sup>, Doron Zahger<sup>2</sup>, Shaul Atar<sup>3</sup>, Arthur Pollak<sup>4</sup>, Idit Dobrecky-Mery<sup>5</sup>, Roy Beigel<sup>1</sup>, Shlomi Matetzky<sup>1</sup>, Michael Glikson<sup>1</sup>, Roy Beinart<sup>1</sup>

<sup>1</sup>*Leviv Heart Center, Sheba Medical Center, Tel HaShomer, Ramat Gan,* <sup>2</sup>*Intensive Cardiac Care Unit, Department of Cardiology, Soroka University Medical Center, Be'er-Sheva,* <sup>3</sup>*Cardiology Department, Galilee Medical Center, Nahariya,* <sup>4</sup>*Heart Institute, Hadassah-Hebrew University Medical Center, Jerusalem,* <sup>5</sup>*Department 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<sup>1</sup>, Avishay Elis<sup>2,3</sup>, Meital Shlezinger<sup>4</sup>, Ilan Goldenberg<sup>3,4</sup>, Avi Leader<sup>5</sup>, Morris Mosseri<sup>3,6</sup>, David Pereg<sup>3,6</sup>

<sup>1</sup>*Department of Internal Medicine D, Sourasky Medical Center, Tel Aviv,* <sup>2</sup>*Department of Medicine, Beilinson Hospital, Rabin Medical Center, Petach-Tikva,* <sup>3</sup>*Sackler Faculty of Medicine, Tel-Aviv University, Tel Aviv,* <sup>4</sup>*Department of Cardiology, Sheba Medical Center, Tel Hashomer, Tel Hashomer,* <sup>5</sup>*Department of Internal Medicine A, Meir Medical Center,* <sup>6</sup>*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<sup>1</sup>, Zipora Lazarovich<sup>4</sup>, Dror Marchaim<sup>2,3</sup>, Oran Tzuman<sup>1</sup>, Chana Richter<sup>3</sup>, Zvi Vered<sup>1,3</sup>, Sa'ar Minha<sup>1,3</sup>

<sup>1</sup>Cardiology, <sup>2</sup>Infectious Diseases Control Unit, Assaf-Harofeh Medical Center, Be'er Ya'akov,

<sup>3</sup>Sackler School of Medicine, Tel-Aviv University, Ramat-Aviv, <sup>4</sup>Microbiological laboratory, Assaf-Harofeh Medical Center, Be'er Ya'akov, Israel

## 16:30-18:00 New Discoveries in Basic Researches II, Hall I

**Chairs: Moshe Flugelman, Michael Arad, 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 Abend<sup>1</sup>, Omer Shkedi<sup>1</sup>, Michal Fertouk<sup>1,2</sup>, Lilac Caspi<sup>1</sup>, Izhak Kehat<sup>1,3</sup>

*<sup>1</sup>The Rappaport Institute and the Bruce Rappaport Faculty of Medicine, Technion - Israel Institute of Technology, <sup>2</sup>Department of Cardiac Surgery, Rambam Medical Center, <sup>3</sup>Department of Cardiology and the Clinical Research, Rambam Medical Center, Haifa, Israel*

16:54

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

Jeremy Ben-Shoshan<sup>1,2</sup>, Arie Steinvil<sup>1,2</sup>, Yaron Arbel<sup>1,2</sup>, Yan Topilsky<sup>1,2</sup>, Leehee Barak<sup>1,2</sup>, Michal Entin-Meer<sup>1,2</sup>, Ran Levy<sup>1,2</sup>, Arie Schwartz<sup>1,2</sup>, Gad Keren<sup>1,2</sup>, Ariel Finkelstein<sup>1,2</sup>, Shmuel Banai<sup>1,2</sup>

*<sup>1</sup>Cardiology, Tel Aviv Sourasky Medical Center, Tel-Aviv, <sup>2</sup>Sackler School of Medicine, Tel-Aviv University, Israel*

17:06

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

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

17:18

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

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

*<sup>1</sup>Faculty of Biomedical Engineering, Technion IIT, Haifa, <sup>2</sup>Faculty of Medicine, Hebrew University, Jerusalem, Israel*

17:30

### **The Effect of Vitamin D on Endothelial Progenitor Cells Function in Healthy Subjects and Patients with Diabetes Mellitus**

Yoav Hammer<sup>1,2</sup>, Alisa Sudri<sup>2</sup>, Yeela Talmor<sup>1,2</sup>, Dorit Leshem-Lev<sup>1,2</sup>, Ran Kornowski<sup>1,2</sup>, Eli Lev<sup>1,2</sup>  
<sup>1</sup>Cardiology division, Rabin Medical Center-Beilinson Campus, <sup>2</sup>Felsenstein Medical Research Center, Rabin Medical Center-Beilinson Campus, Israel

17:42

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

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

### **16:30-18:00 Women in Cardiology, Hall 3**

**Chairs: Avital Porter, Israel, Mary N. Walsh, USA**

16:30

#### **Women in Cardiology in the 21<sup>st</sup> Century**

Cindy L. Grines

Vice President Academic and Clinical Affairs  
DMC Heart Hospital, Detroit, MI, USA

16:45

#### **Women's Career in Cardiovascular Research**

Eloisa Arbustini

Director, Center for Inherited Cardiovascular Diseases  
Foundation I.R.C.C.S. Policlinico San Matteo, Pavia, Italy

17:00

#### **Among Heart Failure Patients Women Fare Better than Men**

Avishay Grupper<sup>1</sup>, Ofra Kalter-Leibovici<sup>2</sup>, Havi Murad<sup>2</sup>, Michal Benderly<sup>2</sup>, Laurence Freedman<sup>2</sup>, Arnona Ziv<sup>2</sup>, Nurit Friedman<sup>3</sup>, Galit Kaufman<sup>3</sup>, Haim Silver<sup>3</sup>, Dov Freimark<sup>1</sup>  
<sup>1</sup>Leviv Heart Center, Sheba Medical Center, Tel Hashomer, <sup>2</sup>Epidemiology & Health Policy Research, The Gertner Institute, Ramat Gan, <sup>3</sup>Maccabi Health Services, Maccabi Health Services, Tel Aviv, Israel

17:12

#### **Cardiogenic Shock Complicating Acute Myocardial Infarction: are there any Gender Differences?**

Gabriel Greenberg, Ran Kornowski, Hanna Vaknin-Assa, Tamir Bental, Eli I. Lev, Abid Assali  
Institute of Cardiology, Rabin Medical Center, Petach-Tikva, Israel

17:24

#### **Spontaneous Coronary Artery Dissection in Young Women Presenting with Acute Coronary Syndrome: Insights from the GENESIS-PRAXY Study**

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

Ilya Litovchik<sup>1</sup>, Hillel S Maresky<sup>2</sup>, Sigal Tal<sup>2</sup>, Noam Grysman<sup>3</sup>, Victoria Rum<sup>1</sup>, Zvi Vered<sup>1,3</sup>, Sa'ar Minha<sup>1,3</sup>

<sup>1</sup>Department of Cardiology, <sup>2</sup>Department of Radiology, Assaf-Harofeh Medical Center, Zerifin,

<sup>3</sup>Sackler 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<sup>1,2</sup>, Avi Sabbag<sup>2</sup>, Shlomo Segev<sup>3</sup>, Shaye Kivity<sup>4</sup>, Yechezkel Sidi<sup>4</sup>, Ilan Goldenberg<sup>2</sup>, Elad Maor<sup>2,5</sup>

<sup>1</sup>Department of Internal Medicine D, <sup>2</sup>Leviev Heart Center, <sup>3</sup>Institute for Medical Screening,

<sup>4</sup>Department of Internal Medicine C, <sup>5</sup>Pinchas 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, Yechezkel 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<sup>1</sup>, Ilan Levy<sup>2</sup>, David M. Broday<sup>2</sup>, Jeremy D. Kark<sup>3</sup>, Noam Levin<sup>4</sup>, Yuval<sup>2</sup>, David M. Steinberg<sup>5</sup>, Yariv Gerber<sup>1</sup>

<sup>1</sup>Dept. of Epidemiology and Preventive Medicine, School of Public Health, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, <sup>2</sup>Technion Center of Excellence in Exposure Science and Environmental Health, Technion Israel Institute of Technology, Haifa, <sup>3</sup>Epidemiology Unit, Braun School of Public Health and Community Medicine, Hebrew University and Hadassah Medical Organization, Jerusalem, <sup>4</sup>Dept. of Geography, Hebrew University of Jerusalem, Jerusalem, Israel

<sup>5</sup>Dept. 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<sup>1</sup>, Offer Amir<sup>1,2</sup>, Diab Ghanim<sup>1,2</sup>, Abbed-al-Wahab Darawshe<sup>1</sup>, Dahud Qarawani<sup>1,2</sup>, David Meerkin<sup>1</sup>, Nabeeh Salman<sup>1</sup>, Khaled Taha<sup>1</sup>, Shemy Carasso<sup>1,2</sup>

<sup>1</sup>Cardiovascular institute, B Padeh Medical Center, Poriya, <sup>2</sup>Galilee 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 Shalev<sup>1,2</sup>, Noga Michnovsky<sup>2</sup>, Arik Wolak<sup>3</sup>, Victor Novack<sup>4</sup>, Ronen Toledano<sup>4</sup>, Yaakov Henkin<sup>1,2</sup>

<sup>1</sup>Cardiology Department, Soroka University Medical Center, <sup>2</sup>Faculty of Health Sciences, The Joyce & Irving Goldman Medical School, Ben Gurion University of The Negev, Be'er Sheva, <sup>3</sup>Cardiac Imaging Unit, Cardiology Department, Sha'are Zedek Medical Center, Jerusalem, <sup>4</sup>Clinical Research Center, Soroka University Medical Center, Ben Gurion University of The Negev, Be'er Sheva, Israel