



Sunday, February 23, 2020

17:00-17:30 Registration

19:30 Get Together Reception

Monday, February 24, 2020

07:00-08:30 Registration & Refreshment

HALL H

08:30-19:00 Mini-courses

Biotronik International Fellow's Program

08:30-15:30 Mini - Course #1

08:30-10:30 Session #1: Fundamentals of ECG Interpretation

Chair: Larry A. Chinitz, NY, USA

08:30-09:00 Complex and Challenging ECG's Samuel Viskin, Tel Aviv, IL

09:00-09:30 SVT, Differential Diagnosis by ECG Lior Jankelson, NY, USA

09:30-10:00 Differentiating Wide Complex Tachycardias Samuel J. Asirvatham, MN, USA

10:00-10:30 Unknown Tracings Faculty

10:30-10:50 Coffee Break

10:50-12:50 Session #2 Electrophysiology Basics: Concepts and Cases

Chair: Larry A. Chinitz, NY, USA

10:50-11:15 EP Lab Maneuvers to Diagnose Challenging Tachycardias. Jason Chinitz, NY, USA

11:15-11:40 Emerging & Innovative Therapies for AF. Atul Verma, ON, CA

11:40-12:05 AF Endpoints, Concepts, Cases & Controversies. Luigi di Biase, NY, USA

12:05-12:50 Unknown Intracardiac Tracings: Faculty

12:50-13:30 Lunch

13:30-15:30 Session #3 – Device Therapy and Technology: Innovation and Outcomes

Chair: Larry A. Chinitz, NY, USA

13:30-14:00 MRI Compatible Device Therapy. Raul Weiss, OH, USA

14:00-14:30 Remote Monitoring for the Detection of AF. Gerhard Hindricks, Leipzig, DE

14:30-15:00 Late Breaking Trials & Their Implications. Larry A. Chinitz, NY, USA

15:00-15:30 Clinical Application of Innovative Device Therapies. Faculty

15:30-15:50 Coffee Break



15:50-19:00 Mini - Course #2: Cardiac Anatomy: Markers and Landmarks

Chair: Samuel J. Asirvatham, MN, USA

Faculty: Chris Liu, USA, Jeffrey Winterfield, SC, USA

- Live Annotated Dissection of the Heart
- Hands on Workshop

HALL I

08:30-10:30 Mini-course #3 Intracardiac Echocardiography (ICE): From A to Z

08:30-08:50 Anatomy - ICE Correlations Samuel J. Asirvatham, MN, USA

08:50-09:10 The Protocol of ICE in EP Procedures Josef Kautzner, Prague, CZE

09:10-09:30 The Use of ICE for Detection of Thrombus in the Left Atrial Appendage
Luigi Di Biase, NY, USA

09:30-09:50 The Use of ICE in Ventricular Arrhythmias Fermin C. Garcia, PA, USA

09:50-10:10 CARTO Sound -Any Additional Benefit? Eyal Nof, Ramat Gan, IL

10:10-10:30 Discussions: Faculty and Audience

10:30-10:50 Coffee Break

10:50-12:50 Mini - Course #4 - LAA Occluders

10:50-11:10 Left Atrial Appendage Anatomy for the Interventionist. Samuel J. Asirvatham, MN, USA

11:10-11:30 The EHRA EAPCI Consensus on LAAO Michael. Glikson, Jerusalem, IL

11:30-11:50 Implantation Techniques Tips and Tricks. Victor Guetta, Tel Hashomer, IL

11:50-12:10 Medical Treatment Following LAAO – Which and for How Long?
Thorsten Lewalter, Munich, DE

12:10-12:30 Case Studies, Including Associated Complications. Andrew Krumerman, NY, USA

12:30-12:50 Discussions: Faculty and Audience

12:50-13:30 Lunch

13:30-15:30 Mini - Course #5 – Lead Extractions

The session is supported by educational grants from COOK and Medtronic

13:30-13:45 Primary Prevention of Infections – the Role of Anti- Bacterial Envelope.
Andrew Krumerman, NY, USA

13:45-14:00 Indications for Lead Extractions – Beyond Infections? Luria David, Jerusalem, IL

13:50-14:10 The Extraction Toolbox – How to Choose Your Tool? Charles J. Love, NY, USA

14:10-14:30 When to Use a Femoral Approach? Jay N. Gross, NY, USA

14:30-14:50 Tips and Tricks and Case Studies. Randy A. Lieberman, MI, USA



14:50-15:10 Hope for the Best Prepare for the Worst (TR, SVC tear, etc.). Christoph T. Starck, Berlin, DE

15:10-15:30 Discussion: Faculty and Audience

15:30-15:50 Coffee Break

15:50-19:00 Mini - Course #6: Persistent AF Ablation

The session is partly supported by educational grant from Abbott/Gamida

15:50-16:10 Mapping in Persistent AF: Any Yield? Raphael Russo, Tel Aviv, IL

16:10-16:30 Is there a Role for Cryballoon Ablation in Persistent AF? Hikmet Yorgun, Ankara, TR

16:30-16:50 The Forgotten Vein – Should We Routinely Isolated the SVC During Ablation of Persistent AF? Luigi Di Biase, NY, USA

16:50-17:10 Recognition, Mapping and Ablation of Epicardial Connections in Atypical Atrial Flutters. Fermin C. Garcia, PA, USA

17:10-17:30 Redo PVI: If the Veins Are Isolated What is the Next Step? Douglas L. Packer, MN, USA

17:30-17:50 AT/Atypical AFI Post Ablation – the Yield of Ultra High-Density Mapping. Ivo Roca-Luque, Barcelona, ES

17:50-18:10 Single Shot Techniques – Current Status. Gerhard Hindricks, Leipzig, DE

18:10-18:30 Discussion: Faculty and Audience

HALL J

08:30-10:30 Mini-course #7: His Bundle Pacing - Workshop and Transmitted Cases from SZMC

Vijayaraman

08:30-08:50 Indications for His and LBB Pacing. Carsten W. Israel, Bielefeld, DE

08:50-09:50 Anatomy, Techniques, etc. – Live Presentation of Implantation of His Bundle Pacing. Pugazhendhi Vijayaraman, PA, USA

09:50-19:10 Clinical Outcomes of His Pacing for AV Nodal Disease, LBBB & Cardiomyopathy. Andrew Krumerman, NY, USA

10:10-10:30 Discussions: Faculty and Audience

10:30-10:50 Coffee Break

10:50-12:50 Mini - Course #8: S-ICD

10:50-11:10 Indications for S-ICD Ilan Goldenberg, NY, USA

11:10-11:30 Development and Implementation of the S-ICD. Andrew A. Grace, Cambridge, UK

11:30-11:50 Implantation Techniques and Pitfalls. Riccardo Cappato, Milan, IT

11:50-12:10 How to Deal with Under/over Sensing and with high DFTs. TBA



12:10-12:30 Complications Related to S-ICD. TBA

12:30-12:50 Discussions: Faculty and Audience

12:50-13:30 Lunch

13:30-15:30 Mini - Course #9: VT Ablations in Structurally Normal Hearts

13:30-13:50 Implications of Anatomy for Idiopathic VT/PVC Ablation. Samuel J. Asirvatham, MN, USA

13:50-14:10. The Role of ECG in Planning PVC/VT Ablation. Douglas. L Packer, MN, USA

14:10-14:30 Papillary and Fascicular PVC/VT. Josef Kautzner, Prague, CZE

14:30-14:50 Crux VTs. Kalyanam Shivkumar, CA, USA

14:50-15:20 Tips and Tricks in LV Summit and Para-Hisian PVC/VT. Fermin C. Garcia, PA, USA

15:20-15:30 Discussion: Faculty and Audience

15:30-15:50 Coffee Break

15:50-19:00 Fellow's Competition

The session is supported by unrestricted educational grants from Abbott, Biosense Webster, and the Friends of the Israel Heart Society

Chairs: Jeffrey J. Goldberger, FL, USA

15:50-16:10 Tackling Tough Atrial Substrate – Bipolar to the Rescue!!! Naga K. Pothineni, Perelman School of Medicine at the University of Pennsylvania, PA, USA

16:10-16:30 Left Bundle Branch Pacemaker Implantation as Bailout for Cardiac Resynchronization Therapy. Rajiv Kabadi, Virginia Commonwealth University Health System, VA, USA

16:30-16:50 Flecainide Toxicity Leading to Loss of Pacemaker Capture and Cardiac Arrest. Harold P. Rivner, University of Miami, FL, USA

16:50-17:10 Concealed Left-sided Nodoventricular Accessory Pathway Successfully Ablated in the Proximal Coronary Sinus. David Rosenthal, University of California, San Francisco, CA, USA

17:10-17:30 Micra Leadless Pacemaker: Fighting Device Infections. Aaron Strobel, University of California, CA, USA

17:30-17:50 Percutaneous Ablation of the Stellate Ganglion: A Novel Neurointerventional Approach for the Treatment of Ventricular Tachycardia. Peter Hanna, University of California, Los Angeles, CA, USA

17:50-18:00 Conclusions



Tuesday, February 25, 2020

07:00-08:30 Registration & Refreshment

HALL A

08:30-10:00 Unsolved Issues in AF Ablation

08:30-08:45 Persistent AF: Potential Mechanisms and Implications on Therapy.

Paulus Kirchhof, Birmingham, UK

08:45-09:00 Lines, Boxes and CAFÉs in Persistent AF-Why Not? Luigi Di Biase, NY, USA

09:00-09:15 Scar Mapping and Ablation. Gerhard Hindricks, Leipzig, DE

09:15-09:30 Rotor Phase Mapping and Charge Density Mapping in AF Ablation
Kalyanam Shivkumar, CA, USA

09:30-09:45 Epicardial and Hybrid Approaches. Amiran S. Revishvili, Moscow, RF

09:45-10:00 Discussion: Faculty and Audience

10:00-10:20 Coffee Break, Exhibition & Posters Visit

10:20-11:50 Risk Factors, Prevention and Early Detection of AF

Chairs: Dominik Linz, Adelaide, AU

The satellite symposium supported by educational grant of ITAMAR Medical

10:20-10:35 Modifiable Risk Factors of AF Eugene Crystal, ON, CA

10:35-10:50 The Role of Sleep Apnea Management in AF Ablation Outcomes.
Dominik Linz, Adelaide, AU

10:50-11:10 Integration of Sleep Apnea Screening and Management to AF Patients –
 Case Study. Natasja M. de Groot, Rotterdam, NL

11:10-11:25 Opportunistic Screening of AF. Paulus Kirchhof, Birmingham, UK

11:25-11:40 Detecting AF Following ESUS. Brian Olshansky, IA, USA

11:40-11:50 Discussion: Faculty and Audience

11:50-12:10 Coffee Break, Exhibition & Posters Visit

12:10-14:00 Plenary Session: Opening Ceremony, Keynote lecture

Chairs: Roy Beinart, Tel Hashomer, IL, Michael Eldar, Tel Hashomer, IL, Michael Glikson, Jerusalem, IL, I. Eli Ovsyshcher, BeerSheva, IL.

Opening the 16th IDSS.

- The Electrophysiologist as Innovator: Perspectives for Your Career and the Future of our Field Samuel Asirvatam, MN, USA
- Engineering Personalized Tissue Implants: From 3D Printing to Bionic Organs
Tal Dvir, Tel Aviv, IL



15:30-15:50 Coffee Break, Exhibition & Posters Visit

15:50-17:20 What is New in Channelopathies and Purkinje Related Ventricular Arrhythmias?

15:50-16:10 Insights from the SABRUS Registry. Anat Milman, Ramat Gan, IL

16:10-16:30 Mapping and Ablation in Early Repolarization Syndromes. Jacob Atie, Rio de Janeiro, Brazil

16:30-16:50 Mapping and Ablation of Idiopathic Ventricular Fibrillation. TBA

16:50-17:10 Quinidine-Responsive Polymorphic VT in Patients with Structural Heart Disease. Raphael Rosso, Tel Aviv, IL

17:10-17:20 Discussion

HALL B

08:30-10:00 Specific Arrhythmia Management in Grown-ups with Congenital Heart (GUCH)

08:30-08:48 Anatomical Principles Underlying Arrhythmia in GUCH Patients. Sabine Ernst, London, UK

08:48-09:06 Prophylactic ICD Implantation in GUCH – Indications and Techniques. Mitchell Cohen, AZ, USA

09:06-09:24 Pacemakers and CRT in GUCH Patients – When and How. Charles Berul, DC, USA

09:24-09:42 Extraction in GUCH Patients – Any Differences? Christoph T. Starck, Berlin, DE

09:42-10:00 Discussion: Faculty and Audience

10:00-10:20 Coffee Break, Exhibition & Posters Visit

10:20-11:50 GUCH: Indications and Special Techniques in Ablation

10:20-10:38 Should We Try AADs in GUCH Patients Prior to Ablation Procedures? Richard A. Friedman, NY, USA

10:38-11:00 Complex Ablations in GUCH Patients Following Fontan Surgery and Atrial Switch. Sabine Ernst, London, UK

11:00-11:18 Arrhythmias and Ablations in Patients with Corrected Tetralogy of Fallot – Targets and Techniques. Ivo Roca-Luque, Barcelona, ES

11:18-11:36 Arrhythmias and Ablations in Patients with Ebstein's Anomaly. Ronn E. Tanel, CA, USA

11:36-11:50 Discussion: Faculty and Audience

11:50-12:10 Coffee Break, Exhibition & Posters Visit



12:10-14:00 Plenary Session: Opening Ceremony, Keynote lecture

Chairs: Roy Beinart, Tel Hashomer, IL, Michael Eldar, Tel Hashomer, IL, Michael Glikson, Jerusalem, IL, I. Eli Ovsyshcher, BeerSheva, IL.

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- The Electrophysiologist as Innovator: Perspectives for Your Career and the Future of our Field Samuel Asirvatam, MN, USA
- Engineering Personalized Tissue Implants: From 3D Printing to Bionic Organs Tal Dvir, Tel Aviv, IL

15:30-15:50 Coffee Break, Exhibition & Posters Visit

15:50-17:20 VT Ablation in Structural Heart Disease

The session is supported by educational grant from Abbott/Gamida

15:50-16:05 Best Approach to VT Mapping – Substrate vs. Activation Mapping and their Pitfalls. Douglas L. Packer, MN, USA

16:05-16:20 The Role of Precision and High-Density Mapping in Structural VT Ablation. Ivo Roca-Luque, Barcelona, ES

16:20-16:35 The Best Approach for Ischemic VT Ablation. Luigi di Biase, NY, USA

16:35-16:50 VTs with LVAD – the New Epidemic Eyal Nof, Ramat Gan, IL

16:50-17:05 What to Do When Everything Fails – Alcohol, Extra Power, Radiotherapy, Autonomic Modification. Kalyanam Shivkumar, CA, USA

17:05-17:20 Discussion: Faculty and Audience

HALL H

08:30-14:00 Allied Professionals (3 sessions)

08:30-10:00 The program TBA

10:00-10:20 Coffee Break, Exhibition & Posters Visit

10:20-11:50 The program TBA

11:50-12:10 Coffee Break, Exhibition & Posters Visit

12:10 – 13:40 The program TBA

13:40 Lunch (Foyer)

14:00-15:30 Luncheon Satellite Symposia Biotronik

15:50-17:20 TBA



HALL I

Electrophysiology from A to Z – Summit for Cardiology Fellows

08:30-10:00 Supraventricular Arrhythmias

Chairs: Moti Haim, Beer Sheva, IL, Avishag Laish-Farkash, Ashdod, IL

08:30-08:50 Mechanisms and ECG Recognition of Common SVTs- AVNRT, Atypical AVNRT, AVRT, PJRT, WPW and AT. Oholi Tovia-Brodie, Tel Aviv, IL

08:50-09:10 Basic Intracardiac Findings and Diagnosis of Common SVTs- AVNRT, AVRT, WPW and AT. Avi Sabbag, Tel Hashomer, IL

09:10-09:30 Approach to Asymptomatic WPW. Yuval Konstantino, BeerSheva, IL

09:30-09:50 Treating SVT 2019 Guidelines. Moshe Rav-Acha, Jerusalem, IL

09:50-10:00 Discussion

10:00-10:20 Coffee Break, Exhibition & Posters Visit

10:20-11:50 Ventricular Arrhythmias

Chairs: Eyal Nof, Tel Hashomer, IL, Moshe Swissa, Rechovot, IL

10:20-10:40 Wide Complex Tachycardia -ECG Criteria to Differentiate VT and SVT. Yair Elitzur, Jerusalem, IL

10:40-11:00 Idiopathic VT- Outflow Tract, Fascicular, Papillary Muscle and Others. Yoav Michowitz, Jerusalem, IL

11:00-11:20 VT in Ischemic and Non-Ischemic Cardiomyopathy- Management. Eugene Crystal, Toronto, CA

11:20-11:50 Update on Inherited Arrhythmic Syndromes and Channelopathies (LQT, SQT, BrS, ERS, CPVT), HCM, ARVC). Lior Jankelson, NY, USA

11:50-12:10 Coffee Break, Exhibition & Posters Visit

12:10-14:00- Implantation of Pacemakers/CRT and ICDs

Chairs: Gregory Golovchiner, Petach Tikva, IL, Yuval Konstantino, BeerSheva, IL

12:10-12:30 Indications for ICD implantation. Mahmud Suleiman, Haifa, IL

12:30-12:50 Update and Overview on CRT and Data in Special Populations: RBBB, IVCD, Men-Women, Indications for CRT implantation. Alon Barsheshet, Petach Tikva, IL

12:50-13:10 His Bundle Pacing-Indications, Technique and Principles. Ron Sela, Nahariya, IL

13:10-13:30 CIED Infection-Approach and Management. Gregory Golovchiner, Petach Tikva, IL

13:30-13:50 LAA Closure Devices – Update and Overview. Michael Glikson, Jerusalem, IL



14:00-15:30 Luncheon Satellites

15:30-15:50 Break, Exhibition & Posters Visit

15:50-17:20 Atrial Fibrillation

Chairs: Raphael Rosso, Tel Aviv, IL, Roy Beinart, Tel Hashomer, IL

15:50-16:10 Medical Management Stroke Prevention in AF- NOACS, VKA and Challenges in Special Populations (Elderly, CKD). Moti Haim, Beer Sheva, IL

16:10-16:30 Rate vs. Rhythm Control Asaf Danon, Hadera, IL

16:30-16:50 AF Ablation: Indications, Techniques, Common Complications. Raphael Rosso, Tel Aviv, IL

16:50--17:10 Place of AF Ablation in Context of Recent Studies- CASTLE-AF, CABANA, CAMERA-MRI. Guy Rozen, Poriya, IL

17:10-17:20 Discussion

HALL J

08:30-11:50 Innovation Summit

08:30-10:00 Innovations Parade - Session #1

08:30-08:42 Biotronik's Digital Innovation in Heart Failure Management. Daniel W. Bühler, Manager Business Strategy CRM, Biotronik, Berlin, DE

08:43-08:55 Deep Learning Machines for ECG Classification: Ready to Be Released into the Wild? Lior Yankelson, NY, USA

08:56-09:08 In Vivo Cardiac Electroporation in Rats. E. Heller, Tel Hashomer, IL

09:10- 09:22 Innovative Cardiac Imaging and Mapping System Acutus Medical. Andrew A. Grace, Cambridge, UK

09:23-09:35 TBA

09:36-10: 48 Non-Contact Guided Ablation Ultrasound Technology for AF. Ron Sela Yokne'am Illit, IL

09:49 – 10:00 Safe Access to the Pericardial Space. Ziv Menshes, CardioVia, IL

10:00-10:20 Coffee Break, Exhibition & Posters Visit

10:20-11:50 Innovations Parade - Session #2

10:20-10:32 New Horizons –Electrophysiology Innovations. Tobias Oesterlein, EP R&D Director, Boston Scientific

10:33-10:45 SentiAR Intracardiac Mapping System-First in Human Results. Jennifer A. Silva, MO, USA

10:46-10:58 AV Synchronous Leadless Pacing. Larry A. Chinitz, NY, USA

11:00-11:12 TBA

11:13-11:25 Real-Time Holography. Elhanan Bruckheimer, Real Imaging, IL



11:26-11:38 Ventricular Repair Device for Heart Failure. Boaz Manash, Cardiac Success, Ltd, IL

11:39-11:50 Non-Invasive Thermal Imaging in Mice. Rafael Y. Brezinsky, NCRI, TAU and Afeca, TA Academic College, IL

11:50-12:10 Coffee Break, Exhibition & Posters Visit

12:10-14:00 Plenary Session: Opening Ceremony, Keynote lecture

Chairs: Roy Beinart, Tel Hashomer, IL, Michael Eldar, Tel Hashomer, IL, Michael Glikson, Jerusalem, IL, I. Eli Ovsyshcher, BeerSheva, IL.

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- Engineering Personalized Tissue Implants: From 3D Printing to Bionic Organs Tal Dvir, Tel Aviv, IL

15:30-15:50 Coffee Break, Exhibition & Posters Visit

15:50-17:20 TBA

Meeting Room 5

14:00-15:30 MEDTRONIC - Luncheon Satellite Symposium

20:00 Presidential Dinner (Optional)

Wednesday, February 26, 2020

07:00-08:30 Registration & Refreshment

HALL A

08:30-18:00 Pediatric Cardiology Summit

08:30-10:00 Sudden Cardiac Death in Child-Variou Aspects

Chairs: Rami Fogelman Petach Tikva, IL, Gil Gross, Haifa, IL

08:30-08:48 Frequent VPC's and VT - How Do I Decide Which Way to Go? Charles I Berul, DC, USA

08:48-09:06 How Do I Decide Which HCM Patient Should Get an ICD as Primary Prevention? Mitchell Cohen, AZ, USA



09:06-09:24 Incidental ECG Findings and Channelopathies. Eric Rosenthal, London, UK

09:24-09:42 Different Methods of Diagnosis LQTS in the Young. Maria A. Shkolnikova, Moscow, RF

09:42-10:00 Discussion: Faculty & Audience

10:00-10:20 Coffee Break, Exhibition & Posters Visit

10:20-11:50 Arrhythmias in Childhood – Different Approaches

Chairs: Yoav Boliker, Ramat Gan, IL, Tom Einbinder, Petach Tikva, IL

10:20-10:38 Ivabradine in Pediatric Arrhythmias. Thomas Paul, Göttingen, Germany

10:38-10:56 Arrhythmia Following Transcatheter Pulmonary Valve Implant. Jennifer A. Silva, MO, USA

10:56-11:14 A Child Is Not a Small Adult - Important Aspects in Pediatric Ablations. John Papagiannis, MO, USA

11:14-11:32 Long Term Follow-Up of Pediatric Pacemaker Patients. Richard A. Friedman, NY, USA

11:32-11:50 Discussion: Faculty & Audience

11:50-12:10 Coffee Break, Exhibition & Posters Visit

12:10- 13:40 The Competing Heart - Session #1- Joint Session of Pediatric & Sport Cardiology

Chairs: Gil Beer, Tel Aviv, IL, Dalia Navot, Netanya, IL, Dany Hadas, Zerifin, IL

12:10-12:30 Lifelong Activity and the Left Atrium. Benjamin D. Levine, TX, USA

12:30-12:50 Myocarditis in the Athlete-a New MRI Era. Sanjay Sharma, London, UK

12:50-13:10 Benign Arrhythmias in the Young Athlete. Elizabeth A. Stephenson, ON, CA

13:10-13:30 Training Induced RV Remodeling in Preadolescent Endurance Athlete: The Athlete Heart in Children. Dany Hadas, Zerifin, IL

13:30-13:40 Discussion

13:40-14:30 Lunch

14:30- 15:40 The Competing Heart - Session #2- Joint Session of Pediatric & Sport Cardiology

Chairs: Livia Kaposta, Tel Aviv, IL, Merav Zucker-Toledano, Haifa, IL, Andre Keren, Jerusalem, IL

14:30-14:45 Congenital Heart Disease in Athlete Robert H. Pass, NY, USA OK

14:45-15:00 Coronary Artery Disease in Athlete Benjamin D. Levine, TX, USA

15:00-15:15 Electrolytes and the ECG Intervals: Big Data and Little Insight Brian Olshansky, IA, USA

15:15-15:30 Shared Decision in Sports Participation Rachel Lampert, CT, USA



15:30- 15:40 Discussion

15:40-15:50 Break

15:50-18:00 Meet the Experts: Syncope and Autonomic Disturbances in the Young, Adults, Elderly and Athletes

Chairs: Blair Grubb, OH, USA, Brian Olshansky, IA, USA,

15:50-16:05 Risk Assessment Algorithms and the Role of Syncope Unit. Bat Sheva Tzadok, Poria, IL

16:05-16:20 20 The Neurological Dimension of Syncopal Episodes. Yaron River, Hadera, IL

16:20-16:55 Debate: POTS is Well Defined Entity

16:20-16:35 **Yes** Blair Grub, OH, USA

16:35-16:50 **No** Brian Olshansky, IA, USA

16:50-16:55 Conclusions

16:55-17:30 Debate: Ablation for Vaso-vagal Syncope

16:55-17:10 **Pro** Hikmet Yorgun, Ankara, TR

17:10-17:25 **Con** Blair Grubb, OH, USA

17:25-17:30 Conclusions

17:30-18:00 Case Presentations and Common Discussion Carsten W. Israel, Bielefeld, DE

18:00 Adjourn

HALL B

08:30-18:00 Physical Activity & Heart

08:30-10:00 The Exercising Heart, Defining "Normal"

Chairs: Naama Constantini, Jerusalem, IL, Michael Glikson, Jerusalem, IL, Sanjay Sharma, London, UK

08:30-08:50 Normal and Abnormal in Endurance Athletes in the Era of MRI. Arik Wolak, Jerusalem, IL

08:50-09:10 Post Exercise Cell Death – Should We Be Worried? Ziv Dadon, Jerusalem, IL

09:10-10:00 The Endless Debate: Pre-participation Examinations Under 35: What Type, Level, Age and Frequency?

09:10-09:25 **Pro:** Gal Raz-Dubnov, Ramat Gan, IL

09:25-09:40 **Con:** Benjamin D. Levine. TX, USA

09:40-10:00 Discussion and Conclusions

10:00-10:20 Coffee Break, Exhibition & Posters Visit



10:20-11:50 Extreme Conditions in Athletes

Chairs: Ron Golan, Zefat, IL, Einat Kodesh, Haifa, IL, Tsafrir Or, Nahariya, IL

10:20-10:50 Altitude Training - Updates and Practical Use. Benjamin D. Levine, TX, USA

10:50-11:05 Training and Competing in the Heat – Towards Tokyo Olympic 2020.
Dalia Navot, Netanya, IL

11:05-11:20 Heat Injury and Heat Stroke- Risk, Mechanism and RTP. Yoram Epstein, Tel Hashomer, IL

11:20-11:50 The Use of Hyperoxic-Hypoxic Paradoxes for Athletes. Shai Efrati, Tel Aviv, IL

11:50-12:10 Coffee Break, Exhibition & Posters Visit

12:10-13:40 Treatment of Arrhythmias in Patients with Heart Failure

The session is partially supported by educational grant from ZOLL Medical

12:10-12:25 The Role of Ablation in Patients with HF and AF. Johannes Brachmann, Coburg, DE

12:25-12:40 PVC Ablation in Patients with LV Dysfunction and with CRT. Carsten W. Israel, Bielefeld, DE

12:40-12:55 When Should We Refer ICD Recipients to VT Ablation? Eyal Nof, Ramat Gan, IL

12:55-13:10 VT Ablation in Patients Prior to and Following LVAD Implantation.
Fermin C. Garcia, PA, USA

13:10-13:25 Distilling the Clinical Evidence Behind the WCD - What Have Clinical Trials and Registries Told Us? Ilan Goldenberg, NY, USA

13:25-13:40 Discussion: Faculty and Audience

11:50-12:10 Coffee Break, Exhibition & Posters Visit

15:40-15:50 Break

18:00 Adjourn

HALL H

08:30-10:00 Managing Heart Failure in Patients with CRTs

The session is partially supported by educational grant from Abbot/Gamida

08:30-08:45 Mitral Insufficiency and Response to CRT - MitraClip or CRT - Who Should Come first? Paul Fefer, Ramat Gan, IL



08:45-09:00 Is there any Benefit in Targeted LV Lead Positioning? How should We Target? Jonathan M. Behar, London, UK
09:00-09:15 New Tools and Algorithms in CRT Patients (including remote monitoring and adaptive CRT). Angelo Auricchio, Lugano, CH
09:15-09:30 Leadless, Epicardial, His pacing – What Does the Future Hold for CRT? Christophe Leclercq, Rennes, FR
09:30-09:45 Device and Interventional Management for Ventricular Arrhythmia post LVAD Implantation. Samuel J. Asirvatham, MN, USA
09:45-10:00 Discussion: Faculty and Audience

10:00-10:20 Coffee Break, Exhibition & Posters Visit

10:20-11:50 Solutions for Failed CRT Implantation

10:20-10:38 Cardiac Imaging for Planning Redo CRT Implantation. Christophe Leclercq, Rennes, France
10:38-10:56 Epicardial LV Lead. Sacha P. Salzberg, Zurich, CH
10:56-11:14 His Bundle Pacing/ LBBB Pacing. Carsten W. Israel, Bielefeld, DE
11:14-11:32 Wireless Left Ventricular Endocardial Pacing. Angelo Auricchio, Lugano, CH
11:32-11:50 Discussion: Faculty and Audience

11:50-12:10 Coffee Break, Exhibition & Posters Visit

12:10- 13:40 The 7th Russian-Israeli Symposium:

Actual Problems of the Treatment of Atrial Fibrillation in 2020

Chairs: Amiran S. Revishvili, Moscow, RF

12:10-12:25 Cryo-Technology and AF. Boaz Avitall, IL, USA
12:25-12:40 High-density Mapping in the Routine Practice of AF Treatment. Gregory Golovchiner, Petach Tikva, IL
12:40-12:55 Hybrid Approaches in the Treatment of Non-Paroxysmal AF. Elena Artyukhina, Moscow, RF
12:55-13:10 The Role of LAA Occlusion in the Prevention of Thromboembolic Complications in AF. Andrey Kalemberg, Moscow, RF
13:10-13:25 Anticoagulant Therapy - What's New? Evgeny Mikhailov, St. Petersburg, RF
13:23-13:40 Discussion

Halls D, E, F

13:40-15:40 Luncheon Satellite Symposia

15:40-15:50 Break



18:00 Adjourn

HALL I

8:30-10:00 Stroke Prevention in AF – a Case Based Discussion

The session is supported by educational grants from AtriCure, Inc. & Boehringer Ingelheim Ltd., IL

08:30-08:45 The Patient with End-stage Renal Disease. TBA

08:45-09:00 Nontraditional Indication for NOACS (MS, Bioprosthesis, HCMP, GUCH). TBA

09:00-09:15 The AtriClip: Indications and Considerations in Stand Alone LAA Occlusion. Sacha P. Salzberg, Zurich, CH

09:15-09:30 LAAO and NOACs-Any News? Thorsten Lewalter, Munich, DE

09:30-09:45 Peri-Procedural Management of Oral Anticoagulants in the NOAC Era – What's New? Alon Barsheshet, Petach Tiqva, IL

09:45-10:00 Discussion

10:00-10:20 Coffee Break, Exhibition & Posters Visit

10:20-11:50 AF Ablation – Hot Topics

The session is partially supported by educational grant from Boston Scientific

10:20-10:35 Has CABANA Changed Our Practice? Expectations from the EAST Trial Douglas L. Packer, MN, USA

10:35-10:50 Current Role of Pre-Procedural Imaging. Gerhard Hindricks, Leipzig, DE

10:50-11:05 The Role of LAA Isolation. Hikmet Yorgun, Ankara, TR

11:05-11:20 Single Shot Therapy. Ante Anic, Zadar, HR

11:20-11:35 Arguments Supporting High-Power Short Duration Ablation. Eran Leshem, Tel Aviv, IL

10:35-11:50 Discussion

11:50-12:10 Coffee Break, Exhibition & Posters Visit

13:40-15:40 Philips/EPD - Luncheon Satellite Symposium

Philips/EPD Solutions

Chairs: Michael Glikson, Jerusalem, IL and Larry A. Chinitz, NY, USA

Dielectric Imaging Technology and its Clinical Application. Shlomo A. Ben-Haim, Geneva, SH

Introduction to KODEX-EPD System, Initial Experience and Ongoing Trials. Tilman Maurer, Hamburg, DE

Clinical Application of Dielectric Imaging for Cryoablation. Andreas Rillig, Hamburg, DE



Clinical Application of Dielectric Imaging for RF Ablation. Larry A. Chinitz: NY, USA

15:40-15:50 Break

18:00 Adjourn

HALL J

08:30-10:00 - Oral Presentations

10:00-10:20 Coffee Break, Exhibition & Posters Visit

10:20-11:50 - Oral Presentations

11:50-12:10 Coffee Break, Exhibition & Posters Visit

13:40-15:40 BIOSENSE WEBSTER - Luncheon Satellite Symposium

15:40-15:50 Break

18:00 Adjourn

Meeting Room 5

14:30-15:40 MEDTRONIC - Luncheon Satellite Symposium