

CURRICULUM VITAE AND LIST OF PUBLICATIONS

1. Personal Details

Name: Laish-Farkash Avishag

Date and place of birth: 28 April 1970, Israel

Address (Office): Arrhythmia and Pacing Unit, Cardiology department.

Assuta Ashdod University Medical Center, Ashdod, Israel

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Married+3 children

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2. Academic Education

B.Sc. Med Sackler School of Medicine, Tel-Aviv University, Israel
Date award: 8.1991

M.D. degree Sackler School of Medicine, Tel-Aviv University, Israel
Date award: 6.1996

Title of M.D. Thesis: “The Natural Course of Erythrocyte Sedimentation Rate and Non-Specific Acute Phase Reactants after Cardiac Surgery”.

Names of Supervisors: Meir Lahav, M.D., Medicine Department E, Sapir Medical Center, Kfar-Saba, and Arie Regev, M.D., Medicine Department E, Beilinson Campus, Rabin Medical Center, Petach-Tiqva.

Ph.D. Sackler School of Medicine, Tel-Aviv University, Israel
Date award: 2/2004

Title of Ph.D. Thesis: “Congenital Long QT Syndrome: Molecular and Electrophysiological Evaluation of a New SCN5A Mutation in a Large Israeli Pedigree”.

Names of Supervisors: Prof. Michael Eldar, M.D., Neufeld Cardiac Research Institute, Sheba Medical Center, Tel Hashomer, and Prof. Ilana Lotan, Ph.D., The Department of Physiology and Pharmacology, Sackler School of Medicine, Tel-Aviv University.

3. Professional Training

1.1.95 –31.12.95 **Internship**, Beilinson campus, Rabin Medical Center, Petach-Tiqva, Israel.

1.4.01- 31.12.08 Combined **Residency** in Internal Medicine and Cardiology, “Sheba” Medical Center, Tel Hashomer, Israel.

1.8.09 –31.7.11 **Clinical Fellowship** in Electrophysiology, Sunnybrook hospital, University of Toronto, Toronto ON, Canada. Supervisor: Dr. Eugene Crystal

4. Board Certification

Internal medicine 1/2006

Cardiology 1/2009

5. Professional Licensing

Medical License: # 28018. Date of issue: 1/1996

Specialty - Internal medicine: License # 22114. Date of issue: 1/2006

Specialty – Cardiology: License # 27082. Date of issue: 1/2009

6. Employment History

1.1.95 –31.12.95 Internship, Beilinson campus, Rabin Medical Center, Petach-Tiqva, Israel.

5.96 – 3.01 General Physician Officer; IDF

- 1.4.01 – 31.3.02 Residency, Internal Medicine (Department D), "Sheba" Medical Center, Tel Hashomer, Israel
- 1.4.02 – 30.4.03 Residency, Cardiology, “Sheba” Medical Center, Tel Hashomer, Israel
- 1.5.03 – 14.6.05 Residency, Internal Medicine (Department D), "Sheba" Medical Center, Tel Hashomer, Israel
- 1.6.05 – 3.12.06 Commander of a large primary care clinic; IDF
- 1.1.07 – 31.12.08 Residency, Cardiology, “Sheba” Medical Center, Tel Hashomer, Israel
- 1.1.09-31.5.09 ICCU "Sheba" Medical Center, Tel Hashomer, and "Laniado" hospital, Natanya, Israel
- 1.8.09- 31.7.11 Clinical Fellowship in Electrophysiology, Sunnybrook hospital, University of Toronto, Toronto ON, Canada.
- 1.9.11- 13.11.16 Arrhythmia Services, Cardiology department, Barzilai Medical Center, Ashkelon, Israel. Director of Atrial Fibrillation Service.
- 1.9.14 – 15.2.15 Acting Head of Arrhythmia Services, Cardiology department, Barzilai Medical Center Ashkelon, Israel.
- 1.12.16-9.2017 Electrophysiology Unit, Cardiology department, Rambam Medical Center. Haifa, Israel.
- 17.9.17 -present Director of Electrophysiology and Pacing Unit, Cardiology Department, Assuta Ashdod University Medical Center, Ashdod, Israel

7. Academic Appointments

1/4/2012- Lecturer – Faculty of Health Sciences, Ben Gurion University of the Negev

1/7/2017- Senior Lecturer – Faculty of Health Sciences, Ben Gurion University of the Negev

8. Editor or Member of Editorial Board or Reviewer of Scientific or Professional Journal

- 1) *Journal of Cardiovascular Electrophysiology*- Reviewer since 5/2014, a member in the Editorial Board of the journal since 2/2016
- 2) *European Journal of Arrhythmia & Electrophysiology* – Reviewer since 1/2016
- 3) *Journal of Atrial Fibrillation* - Reviewer since 2/2016
- 4) *SRL Cardiology* – Invited Reviewer since 11/2016
- 5) *Therapeutics and Clinical Risk Management, DOVE Medical Press* – Invited reviewer since 2/2017
- 6) *International Journal of Clinical Cardiology* - Invited reviewer since 4/2017
- 7) *IMAJ* - Invited reviewer since 11/2017

9. Membership in Professional/Scientific Societies

- 1) 2001- Israel Medical Association
- 2) 2004 - Israel Society of Cardiology
- 3) 2004- The European Society of Cardiology
- 4) 2009- The Israeli Working Group of cardiac pacing and electrophysiology

10. Educational Activities

Courses taught

2-5/2004 Internal Medicine, Israeli medical students – 4th year, Sackler School of Medicine, Tel Aviv University.

6-7/2004 Internal Medicine, Israeli medical students – 6th year, Sackler School of Medicine, Tel Aviv University.

10/2011 Cardiology elective, Medical students of the Medical School of International Health (MSIH)- 4th year, Ben Gurion University of the Negev.

12/2011 Cardiology elective, Israeli medical students- 5th year, Ben Gurion University of the Negev.

28/6/2012 The approach to the diagnosis of arrhythmias, Medical students 4th year in Internal Medicine Rotation - Ben Gurion University of the Negev

17/10/2012 Complications of myocardial infarction; arrhythmias. Medical students – Cardiology Rotation – Ben Gurion University of the Negev

01/2013 Cardiology Rotation, Medical students- 5th year, Ben Gurion University of the Negev

10/2013 Cardiology elective, Medical students of the Medical School of International Health (MSIH)- 4th year, Ben Gurion University of the Negev.

10/2013 The patient with ventricular arrhythmias, The Israel Heart Society course for cardiology residents named after Irit Vilder, Neve Ilan, Israel.

2014-2016 In charge of the elective program in electrophysiology, Barzilai University Medical Center, Ashkelon

01/2014 Cardiology Rotation, Medical students- 5th year, Ben Gurion University of The Negev

4/2014 A lecture to the citizens of Ashkelon (the ROTERY club): "Current treatment approach in atrial fibrillation"

09/2014 Cardiology elective, Medical students of the Medical School of International Health (MSIH)- 4th year, Ben Gurion University of the Negev.

11/2014 The patient with ventricular arrhythmias, The Israel Heart Society course for cardiology residents named after Irit Vilder, Neve Ilan, Israel.

1/2015 - "The approach to patients with arrhythmias", Medical students- 3th year, Cardiology Course, Ben Gurion University of The Negev

12/1/2015 "The therapeutic approach to arrhythmias" Cardiology course, 3rd year Israeli medical students – Ben Gurion University of the Negev

26-28/1/2015 Cardiology Rotation, Medical students- 5th year, Ben Gurion University of The Negev

25/3/2015 "Atrial fibrillation- from treatment to cure", The Family doctors of the Negev 5th course, The Conference Center, Ashkelon.

11/2015 The patient with ventricular arrhythmias, The Israel Heart Society course for cardiology residents named after Irit Vilder, Neve Ilan, Israel.

11/2015 Tutor in charge- Cardiology elective, Medical students of the Medical School of International Health (MSIH)- 4th year, Ben Gurion University of the Negev

11/1/2016 "The therapeutic approach to arrhythmias"-Cardiology course, 3rd year Israeli medical students, Ben Gurion University of the Negev.

2/2016 Tutor in charge- Cardiology elective, Israeli medical students- 5th year, Ben Gurion University of the Negev.

3-6/2016 Tutor in charge of Cardiology elective, Israeli medical students- 4th year, Ben Gurion University of the Negev.

9/2016 Tutor in charge Cardiology elective, Medical students of the Medical School of International Health (MSIH)- 4th year, Ben Gurion University of the Negev.

11/2016 Approach to patients with syncope, The Israel Heart Society course for cardiology residents named after Irit Vilder, Neve Ilan, Israel.

22/1/2017 “The therapeutic approach to arrhythmias”- Cardiology course, 3rd year Israeli medical students, Ben Gurion University of the Negev.

25/1/2017 Cardiology course – 5th year Israeli medical students – Technion medical students, Rambam MC, Haifa – The therapeutic approach to bradyarrhythmias

2017 Cardiologist in charge of the Cardiovascular and Circulatory system course of 1st year students in Emergency Medicine, Ben Gurion University of the Negev

2017 Cardiologist in charge of the Cardiovascular and Circulatory system course of 1st year students in Physiotherapy, Ben Gurion University of the Negev

2017- Cardiologist in charge of the Cardiovascular and Circulatory system course of 1st year students in Nursing, Ben Gurion University of the Negev

26/3/2017 The therapeutic approach to bradyarrhythmias and pacemakers, Cardiology course, 6th year Israeli medical students, Technion medical students, Rambam MC, Haifa

10/2017 Approach to patients with syncope- The Israel Heart Society course for cardiology residents named after Irit Vilder, Neve Ilan, Israel

1-2 /2018 Pacemaker course for the Israeli pacemaker technicians – The Israel Heart Society- Electrophysiology Society

2/2018 Tutor in charge Cardiology elective, Israeli medical students- 5th year, Assuta Ashdod University Medical Center, Ben Gurion University of the Negev.

7/2018 Tutor in charge -Cardiology elective, Israeli medical students- 5th year, Assuta Ashdod University Medical Center, Ben Gurion University of the Negev

2018 Cardiologist in charge of the Cardiovascular and Circulatory system course of 1st year students in Emergency Medicine, Ben Gurion University of the Negev

2018 Cardiologist in charge of the Cardiovascular and Circulatory system course of 1st year students in Physiotherapy, Ben Gurion University of the Negev

2018- Cardiologist in charge of the Cardiovascular and Circulatory system course of 1st year students in Nursing, Ben Gurion University of the Negev

10/2018 Approach to patients with arrhythmias, Pacemakers and ICDs- The Israel Medical Association course for Internal Medicine residents, Israel.

11/2018 Approach to patients with syncope- The Israel Heart Society course for cardiology residents named after Irit Vilder, Herzelia, Israel.

Research students

1. 2015, Name of the resident: **Sharon Barucha**, MD, a resident in Internal medicine, Barzilai MC, Ashkelon.

Name of the thesis: “The effectiveness of CRT-P versus CRT-D in elderly population”. Supervisor in “Basic Sciences studies” of MD residents, Ben Gurion University of the Negev.

2. 2016, Name of the resident: **Dr. Jebrin Alkrinawi**, MD, a resident in Internal medicine, Barzilai MC, Ashkelon.

Name of the thesis: “The correlation between coronary artery disease and epicardial adipose tissue in patient with acute coronary syndrome”.

Supervisor in “Basic Sciences studies” of MD residents (**along with Prof. Chaim Yosefy**), Ben Gurion University of the Negev.

3. 2016, Name of the resident: **Dr. Marina Peri**, MD, a resident in Internal medicine and Cardiology, Barzilai MC, Ashkelon
Name of the thesis: “Echocardiographic parameters of left atrium and left atrial appendage as predictors of left atrial cardiomyopathy in patients with and without atrial fibrillation”.
Supervisor in “Basic Sciences studies” of MD residents (**along with Prof. Chaim Yosefy**), Ben Gurion University of the Negev.
4. 2017, Name of the resident: **Victor Feldman**, MD, a resident in Orthopedics, Meir MC, Kfar-Saba
Name of the thesis: “The relationship between vitamin D level and aortic and mitral valves calcification in patients with acute coronary syndrome”.
Supervisor in “Basic Sciences studies” of MD residents (**along with Prof. Chaim Yosefy**), Tel Aviv University.
5. 2018, Name of the MD student: **Tal Levy 200470185**, a fifth-year medical student, Ben Gurion University of the Negev. Supervisor of MD thesis.
Name of the MD thesis: “Echocardiography-guided pacemaker/ICD implantation to reduce tricuspid regurgitation- a prospective controlled study”.

11. Additional Activities

1. 2016-2017 A member in the Israeli forum for advancing women in cardiology – mentoring young female doctors and a member in the stirring committee of CARDIOFEMME
2. 2017-2018 Course for Electrophysiological Technicians – The Israeli Association of cardiac pacing and electrophysiology– Stirring committee
3. 2018 The Israel Society of Cardiology- The examination committee
4. 2017-2018 Grading abstracts for the Israeli Society of Cardiology annual Conference

12. Awards, Citations, Honors, Competitive Fellowships

- 1998 Rekanaty Fund for Medical Research, Sackler School of Medicine, Tel-Aviv University. A grant for PhD research
- 2000 Tel-Aviv University Fund for Medical Research
A scholarship for PhD research
- 2003 Sapir Fund for Medical Research. A scholarship for PhD research
- 2005 The Neufeld Award of the Israel Heart Society for the original work: “New electrophysiological insights into the D1790G mutation causing long QT syndrome”
- 2007 The Sheba Medical Center Award in the Research Day for the original work: “Therapeutic hypothermia for comatose survivors after cardiac arrest”
- 2008 The Israel Heart Society Scholarship for Medical Research for the original work: "Sinus node dysfunction- clinical, genetic, molecular and cellular characteristics".
- 2012 4th award for best abstract – The 11th International Dead Sea Symposium (IDSS) on Cardiac Arrhythmias and Device Therapy: "Fluoroscopic versus non fluoroscopic guided ablations: Meta-analysis of randomized controlled trials".
- 2014 1st award for best abstract – The 12th International Dead Sea Symposium (IDSS) on Cardiac Arrhythmias and Device Therapy: "PVAC versus nMARQ: Pulmonary vein isolation with circular multielectrode ablation systems for atrial fibrillation ablation – a single center experience”.
- 2016 Research grant from Ben-Gurion University of the Negev (The project of advancing medical research): “Echocardiographic parameters of left atrium and left atrial appendage as predictors of left atrial cardiomyopathy in patients with and without atrial fibrillation” – 5000\$

13. Scientific Publications:

Refereed articles in scientific journals

1. J. Schachter, **A. Laish**, S. Mechmandarov, M. Feinmesser, E. Fenig, G. Tamir, H. Gutman. Standard and nonstandard applications of sentinel node-guided melanoma surgery. **World Journal of Surgery** 2000;24:491-495
2. H. Gutman, **A. Laish-Farkash**, D. Risin, NR Pellis. Locomotion of lymphocytes towards melanoma cells treated with tumor necrosis factor in a syngeneic in vitro model. **International Journal of Molecular Medicine** 2001;8:199-203
3. **A. Laish-Farkash**, S. Matetzky, S. Kassem, H. Haj-Iahia, H. Hod. Therapeutic hypothermia for comatose survivors after cardiac arrest. **Israel Medical Association Journal (IMAJ)** 2007;9:252-256
4. **A. Laish-Farkash**, H. Hod, S. Matetzky, V. Guetta. Safety of intra-aortic balloon pump using glycoprotein IIb/IIIa antagonists. **Clinical Cardiology** 2009;32:99-103
5. **A. Laish-Farkash**, M. Glikson, D. Brass, D. Marek-Yagel, E. Pras, N. Dascal, C. Antzelevitch, E. Nof, H. Reznik, D. Luria. A novel mutation in the HCN4 gene causes symptomatic sinus bradycardia in Moroccan Jews. **Journal of Cardiovascular Electrophysiology** 2010;21:1365-1372
6. A. Barsheshet, I. Goldenberg, M. Garty, S. Gotllieb, A. Sandach, **A. Laish-Farkash**, M. Eldar, M. Glikson. Relation of bundle branch block to long-term (four-year) mortality in hospitalized patients with systolic heart failure. **American Journal of Cardiology** 2011;107:540-544
7. **A. Laish-Farkash**, S. Matetzky, D. Oieru, A. Sandach, N. Levi, J. Or, J. Rieck, A. Barsheshet, H. Hod. Usefulness of mild therapeutic hypothermia for hospitalized comatose patients having out-of-hospital cardiac arrest. **American Journal of Cardiology** 2011;108:173-178

(This work was elected by medscape as "*Faculty of 1000*" – “one of the most important articles and trends in medicine and biology that will change clinical practice”).

- *8. S. Oduneye, L. Biswas, S. Ghate, V. Ramanan, J. Barry, **A. Laish-Farkash**, E. Kadmon, T. Zeidan Shwiri, E. Crystal, G Wright. The Feasibility of endocardial propagation mapping using magnetic resonance guidance in a swine model, and comparison with standard electroanatomic mapping. **IEEE Transactions on Medical Imaging** 2012;31:977-983
9. **A. Laish-Farkash**, M. Shurrab, S. Singh, I. Tiong, A. Verma, G. Amit, A. Kiss, F. Morriello, D. Birnie, J. Healey, I. Lashevsky, D. Newman, E. Crystal. Approaches to empiric ablation of slow pathway: results from the Canadian EP web survey. **Journal of Interventional Cardiac Electrophysiology** 2012;35:183-187
10. M. Shurrab, **A. Laish-Farkash**, F. Morriello, S. Singh, I. Lashevsky, R. Schilling, H. Wijeyesundera, G. Wright, A. Pinter, D. Newman, E. Crystal. Three-dimensional localization versus fluoroscopically-only guided ablations: A meta-analysis. **Scandinavian Cardiovascular Journal** 2013;47:200-209
11. Zeidan-Shwiri T, Yang Y, Lashevsky I, Kadmon E, Kagal D, Dick A, **Laish-Farkash A**, Paul G, Gao D, Shurrab M, Newman D, Wright G, Crystal E. Magnetic resonance estimates of the extent and heterogeneity of scar tissue in ICD patients with ischemic cardiomyopathy predict ventricular arrhythmia. **Heart Rhythm Journal** 2015;12:802-808. **IF=4.825, Q=1, JR=26/126, CI=11**
12. **A. Laish-Farkash**, V. Khalameizer, E. Fishman, O. Cohen, C. Yosefy, I. Cohen, A. Katz. Safety, efficacy, and clinical applicability of pulmonary vein isolation with circular multi-electrode ablation systems: PVAC® versus nMARQ™ for atrial fibrillation ablation. **Europace** 2016;18(6):807-814
13. **A. Laish-Farkash**, *C. Yosefy, Y. Azhibekov, V. Khalameizer, B. Brodtkin, A. Katz. A new method for direct three-dimensional measurement of left atrial appendage dimensions during transesophageal echocardiography. **Echocardiography** 2016;33:69-76
14. Buber J, **Laish-Farkash A**, Koren-Morag N, Fefer P, Segev A, Hod H, Matetzky S. Cardiac troponin elevation pattern in patients undergoing a primary percutaneous coronary intervention for ST- segment elevation myocardial infarction: characterization and relationship with cardiovascular events during hospitalization. **Coronary Artery Disease** 2015;26:503-509

15. A. Sabbag, M. Suleiman, **A. Laish-Farkash**, N. Samania, M. Kazatsker, I. Goldenberg, M. Glikson, R. Beinart. Contemporary rates of appropriate shock therapy in patients who receive implantable device therapy in a real world setting: From the Israeli ICD Registry. **Heart Rhythm Journal** 2015;12:2426-2433
16. **A. Laish-Farkash**, A. Katz, O. Cohen, A. Osherov, S. Bruocha, V. Khalameizer. Site localization of painful lesions during radiofrequency ablation of pulmonary veins using circular multi-electrode catheters. **Journal of Interventional Cardiac Electrophysiology** 2016;45:63-69
17. **A. Laish-Farkash**, A. Katz, O. Cohen, E. Fishman, C. Yosefy, V. Khalameizer. Safety and feasibility of contrast injection during pulmonary vein isolation with the nMARQ™ multi-electrode catheter. **J Atr Fibrillation**. 2015 Dec; 8(4): 1324
18. Yosefy C, MD, Azhibekov Y, Brodtkin B, Khalameizer V, Katz A, **Laish-Farkash A**. Rotational Method Simplifies 3-Dimensional Measurement of Left Atrial Appendage Dimensions during Transesophageal Echocardiography **Cardiovasc Ultrasound**. 2016 Aug 24;14(1):36
19. E. Leshem-Rubinow, M. Suleiman, **A. Laish-Farkash**, Y. Konstantino, M. Glikson, A. Barsheshet, I. Goldenberg, Y. Michowitz. Contemporary rates and outcomes of single vs. dual coil ICD lead implantation: data from the Israeli ICD registry. **Europace**. 2017 Sep 1;19(9):1485-1492. pii: euw199.
20. **A. Laish-Farkash**, S. Bruoha, A. Katz, I. Goldenberg, M. Suleiman, Y. Michowitz, N. Shlomo, M. Einhorn-Cohen, V. Khalameizer. Morbidity and mortality with cardiac resynchronization therapy with pacing (CRT-P) versus with defibrillation (CRT-D) in octogenarian patients in a real-world setting. **Europace**. 2017;19 (8):1357-1363.
21. A. Osherov, S. Bruoha, **A. Laish-Farkash**, G. Paul, I. Orlov, A. Katz, J. Jafari. Reduction in operator radiation exposure during transradial coronary procedures using a simple lead rectangle. **Heliyon**. 2017 Feb 24;3(2):e00254. doi: 10.1016/j.heliyon.2017.e00254. eCollection 2017 Feb
22. I. Goldenberg, A. Barsheshet, **A. Laish-Farkash**, M. Swissa, Y. Michowitz, M. Glikson, M. Suleiman. Anemia and the Risk of Life-Threatening Ventricular Tachyarrhythmias from the Israeli ICD Registry. **American Journal of Cardiology** 2017 Dec 15;120 (12):2187-2192

23. E. Leshem-Rubinow, M. Suleiman, **A. Laish-Farkash**, Y. Konstantino, M. Glikson, A. Barsheshet, I. Goldenberg, Y. Michowitz. Impact of Quadripolar LV leads on Heart Failure Hospitalization Rates among Patients with CRT-D: Data from the Israeli ICD Registry. **J Interv Card Electrophysiol**. 2017 Dec 23. doi: 10.1007/s10840-017-0305-z.
24. **A. Laish-Farkash**, A. Sabbag, V. Khalameizer, M. Glikson, A. Glick, A. Katz, Y. Michowitz. Ablation-Induced Change in the Course of Fascicular Tachycardia. **Isr Med Assoc J**. 2018 Jan;1(20):43-50 **IMAJ**, 1/2017
25. **A. Laish-Farkash**, S. Bruoha, V. Khalameizer, C. Yosefy, Y. Michowitz, M. Suleiman, A. Katz. Multisite cardiac resynchronization therapy for traditional and non-traditional indications. **J Interv Card Electrophysiol**. 2018;51:143-152 DOI 10.1007/s10840-018-0316-4
26. **A. Laish-Farkash***, L. Grin*, S. Shenhav, X. Piltz, L. Ganelin, M. Rabinovich, EY Anteby, C. Yosefy. Safety of nifedipine in threatened preterm labor: Investigation by three-dimensional echocardiography. **Echocardiography** 2018;35(8): 1164-1170 doi: 10.1111/echo.13884.
27. E. Leshem, M. Rahkovich, A. Mazo, M. Suleiman, M. Blich, **A. Laish-Farkash**, Y. Konstantino, R. Fogelman, B. Strasberg, M. Geist, I. Chetboun, M. Swissa, M. Ilan, Y. Michowitz, R. Rosso, M. Glikson, B. Belhassen. Arrhythmic Events in Brugada Syndrome: A Nation-wide Israeli Survey of the Clinical Characteristics, Treatment and Long-Term Follow-up (ISRABRU-VF). **IMAJ Vol 20, May 2018**

Study Group (Contributer)

1. Birnie DH, Healey JS, Wells GA, Verma A, Tang AS, Krahn AD, Simpson CS, Ayala-Paredes F, Coutu B, Leiria TL, Essebag V; BRUISE CONTROL Investigators. Pacemaker or defibrillator surgery without interruption of anticoagulation. **N Engl J Med**. 2013 May 30;368(22):2084-93. doi: 10.1056/NEJMoa1302946.
2. Essebag V, Verma A, Healey JS, Krahn AD, Kalfon E, Coutu B, Ayala-Paredes F, Tang AS, Sapp J, Sturmer M, Keren A, Wells GA, Birnie DH; BRUISE CONTROL Investigators. Clinically significant pocket hematoma increases long-

term risk of device infection: BRUISE CONTROL INFECTION Study. **J Am Coll Cardiol**. 2016 Mar 22;67(11):1300-8. doi: 10.1016/j.jacc.2016.01.009.

Case reports

- 1.** A. Laish-Farkash, Y. Rozenman, H. Hod. “Shrinkage” of ECG. **Cardiology in Review**. 2003;11:111-112.
- 2.** A. Laish-Farkash, V. Khalameizer, A. Katz. Biventricular with multi-site left-ventricular pacing for the management of refractory ventricular tachycardia in a patient with narrow complex QRS – Case Report. **J Cardiol Curr Res** 2017,8(2):00276. DOI: 10.15406/jccr.2017.08.00276

Editorials and invited reviews and other reviews

- 1.** A. Laish, H. Gutman. Cancer of the anus (Review). **Oncology Reports** 1998;5:1525-1529
- 2.** E. Crystal, M. Shurrab, I. Lashevsky, El. Crystal, A. Laish-Farkash, D. Newman. The impact of catheter tracking technologies on efficacy and safety in cardiac electrophysiology. **Expert Review of Cardiovascular Therapy** 2010;8:1383-7
- 3.** A. Laish-Farkash, V. Khalameizer, A. Katz. Atrial fibrillation in the elderly- To ablate or not to ablate. **Journal of Cardiovascular Electrophysiology** 2013;24:739-741
- 4.** A. Laish-Farkash, A. Katz, V. Khalameizer. From treatment to curing- new era in the approach to patients with atrial fibrillation. **Harefuah**, 2014;253:401-406
- 5.** A. Laish-Farkash, M. Suleiman. Primary versus secondary atrial fibrillation: Is it time for a different classification of atrial fibrillation? **Journal of Cardiovascular Electrophysiology** 2015;26:1295-1297
- 6.** A. Laish-Farkash, M. Suleiman. Comparison of the Efficacy of PVAC[®] and nMARQ[™] for paroxysmal atrial fibrillation – A review. **Journal of Atrial Fibrillation** Apr-May2017, Vol 9 Issue 6
- 7.** A. Laish-Farkash, M. Suleiman. Evaluation of left atrial thrombus prior to catheter ablation of atrial fibrillation – Is it time for an individualized approach?

Journal of Cardiovascular Electrophysiology 2017 Oct;28 (10):1137-1139

DOI 10.1111/jce.13303

Books and chapters in books

1. **A. Laish-Farkash. New Electrophysiological insights into an SCN5A mutation causing LQT.** Electrophysiological evaluation of the D1790G mutation in SCN5A gene causing congenital long QT syndrome. Published by: VDM Verlag Dr. Muller Aktiengesellschaft&Co. KG, Saarrucke, Germany; Printed in USA, 2009.
2. **A. Laish-Farkash, A. Katz. The role of 3D echocardiography in electrophysiology. Chapter 25. in: Principles of Practical Three-Dimensional Echocardiography.** First edition, 2016. Edited by Prof. C. Yosefy. Pages 359-379

Chapters in collective volumes – Conference proceedings

1. **A. Laish-Farkash, E. Nof, D. Marek-Yagel, E. Pras, S. Viskin, M. Eldar, C. Antzelevitch, M. Glikson, D. Luria.** Genetic screening of familial sinus bradycardia. **J Interv Card Electrophysiol** 24 (3) :213-217; 2009. Special Abstract Issue of ECAS 2009, Paris-France.
2. **A. Laish-Farkash, E. Nof, D. Luria, N. Constantini, H. Yonat, M. Fridman, M. Eldar, C. Antzelevitch, M. Glikson.** Incessant bidirectional ventricular tachycardia as the presenting arrhythmia of Andersen-Tawil syndrome in two families. **J Interv Card Electrophysiol** 24(3) :213-217; 2009. Special Abstract Issue of ECAS 2009, Paris-France.
3. **Y. Buber, A. Laish-Farkash, P. Fefer, A. Segev, H. Hod, S. Matatzki,** Cardiac troponin elevation pattern following percutaneous coronary intervention for patients with ST elevation myocardial infarction. **JACC** April 5, Volume 57, Issue 14 E921, 2011. ACC Poster.
4. **M. Shurrab, A. Laish-Farkash, F. Morriello, S. Singh, I. Lashevsky, RJ Schilling, HC Wijeyesundera, A. Pinter, D. Newman, G. Wright, E. Crystal.** 347 Nonfluoroscopic catheter-guided versus fluoroscopically guided catheter

- ablation procedures: A meta-analysis of randomized controlled trials. **The Canadian Journal of cardiology**, 9/2011;27(5):S189.
5. **A. Laish-Farkash**, A. Katz, E. Fishman, C. Yosefy, V. Khazan, D. Ben-Shushan, V. Khalameizer. Multisite left ventricular endocardial pacing – a single center experience. **JICE** April 2012, Volume 33, Issue 3. (Special Abstract Issue of ECAS 2012, Munich-Germany).
 6. **A. Laish-Farkash**, A. Katz, E. Fishman, C. Yosefy, S. Cohen, I. Tcherniavsky, V. Khalameizer. Clinical experience with routine use of safesept J-shaped guidewire for transseptal puncture. **JICE** April 2012, Volume 33, Issue 3. (Special Abstract Issue of ECAS 2012, Munich-Germany).
 7. T. Zeidan-Shwiri, I. Lashevsky, Y. Yang, G. Paul, E. Kadmon, **A. Laish-Farkash**, D. Kagal, A. Dick, M. Shurrab, S. Singh, C. Lau, W. Graham, A. Osherov, E. Crystal. Cardiac MRI indices predict inducible VT and appropriate ICD therapies in patients with ICM. **JICE** April 2012, Volume 33, Issue 3. (Special Abstract Issue of ECAS 2012, Munich-Germany).
 8. M. Shurrab, T. Szili-Torok, F. Akca, I. Tiong, D. Kagal, **A. Laish-Farkash**, D. Newman, I. Lashevsky, O. Onalan, E. Crystal. Outcomes of empiric slow pathway ablation in documented but non-inducible supraventricular tachycardia. **The Canadian Journal of cardiology**, 10/2014;30(10):S322-S323.
 9. M. Blich, W. Darawsha, **A. Laish-Farkash**, M. Suleiman, L. Gepstein, M. Boulous. Electrocardiographic comparison of ventricular premature complexes in patients with inherited dilated cardiomyopathy and in patients with ventricular complex induced cardiomyopathy. **Europace** 19(suppl_3):iii340-iii340 · June 2017. DOI: 10.1093/ehjci/eux158.221. P1595

14. Lectures and Presentations at National and International Meetings

1. **A. Laish**, M. Yeshurun, A. Regev, G. Sahar, M. Lahav.
The natural course of erythrocyte sedimentation rate and non specific acute phase reactants after cardiac surgery.
The Israeli Society of Internal Medicine – Annual Meeting, Ramat-Gan, Israel, **1995**.
2. H. Gutman, **A. Laish**, S. Mechmandarov, M. Robinpour, J. Schachter.
Standard and nonstandard applications of sentinel node-guided melanoma surgery.
The 2nd World Congress on Advances in Oncology, Vouliagmeni, Athens, Greece, **1997**.
3. H. Gutman, **A. Laish**, S. Mechmandarov, J. Schachter.
Additional Applications for Sentinal Node Guided Melanoma (MM) Surgery.
The European Cancer Conference (ECCO 9), Hamburg, Germany, **1997**.
4. H. Gutman, **A. Laish**, S. Mechmandarov, M. Robinpour, J. Schachter.
Standard and nonstandard applications of sentinel node-guided melanoma surgery.
1st Anglo-Israel Cancer Conference, Eilat, Israel, **1998**.
5. H. Gutman, **A. Laish**, M. Feinmesser, K. Segal, J. Schachter.
Standard and nonstandard applications of sentinel node-guided melanoma surgery.
1st International Congress on the Sentinel Node in Diagnosis and Treatment of Cancer, Amsterdam, the Netherlands, **1999**.
6. **A. Laish**, D. Singer-Lahat, D. Haratz, I. Lotan, M. Eldar.
Congenital long QT syndrome: molecular and electrophysiological evaluation of a new SCN5A mutation in a large Israeli pedigree.
Research Fair, The Sackler Faculty of Medicine, Tel-Aviv University, Ramat-Aviv, Israel, **1999**.
7. **A. Laish**, D. Singer-Lahat, D. Haratz, I. Lotan, M. Eldar.
Congenital long QT syndrome: electrophysiological evaluation of newly diagnosed mutation in a large Israeli pedigree.
The 47th Annual Meeting of the Israel Heart Society, Tel-Aviv, Israel, **2000**.
8. H. Gutman, **A. Laish**, M. Feinmesser, K. Segal, R. Keinan, E. Fenig, J. Schachter.
Standard and nonstandard applications of sentinel node-guided melanoma surgery.
The 22nd Annual Meeting of the Israel Surgical Federation, Tel-Aviv, Israel, **2001**.

9. **A. Laish-Farkash**, I. Lotan, D. Singer-Lahat, D. Haratz, N. Dascal, M. Eldar.
New electrophysiological insights into the D1790G mutation causing long QT syndrome.
The ECS Congress (European Society of Cardiology), Vienna, Austria, **2003**.
10. **A. Laish-Farkash**, S. Matetzky, V. Guetta, H. Hod.
IABP and GP IIb/IIIa antagonists without heparin - Is it safe?
The ICCU annual meeting of the Israel Heart Society, Ramat-Gan, Israel, **2004**.
11. **A. Laish-Farkash**, S. Matetzky, V. Guetta, H. Hod.
IABP and GP IIb/IIIa antagonists without heparin - Is it safe?
The 51st Annual Conference of the Israel Heart Society, Tel-Aviv, Israel, **2004**.
12. **A. Laish-Farkash**, S. Matetzky, V. Guetta, H. Hod.
IABP and GP IIb/IIIa antagonists without heparin - Is it safe?
The Israel Working Group on Intensive Cardiac Care meeting, Ramat-Gan, Israel, **2004**.
13. **A. Laish-Farkash**, I. Lotan, D. Singer-Lahat, D. Haratz, N. Dascal, M. Eldar.
New electrophysiological insights into the D1790G mutation causing long QT syndrome.
The 52nd Annual Conference of the Israel Heart Society, Tel-Aviv, Israel, **2005**.
14. **A. Laish-Farkash**, S. Matetzky, S. Kassem, H. Haj-Iahia, H. Hod.
Therapeutic hypothermia after cardiac arrest: a current practice survey in a single referral center. **The Acute Cardiac Care 2006 Congress of the ESC**, Prague, Czech Republic, **2006**.
15. **A. Laish-Farkash**, S. Matetzky, S. Kassem, H. Haj-Iahia, H. Hod.
Therapeutic Hypothermia for Comatose Patients after Ventricular Fibrillation:
A Current Practice Survey in a Single Referral Center.
The 54th Annual Conference of the Israel Heart Society, Tel-Aviv, Israel, **2007**.
16. **A. Laish-Farkash**, D. Marek, E. Pras, M. Arad, E. Nof, H. Reznik-Wolf, M. Eldar, O. Gurrevitz, M. Glikson, D. Luria.
A Novel Mutation in the HCN4 Gene Causes Familial Sinus Bradycardia in Two Unrelated Moroccan Families. **The 55th Annual Conference of the Israel Heart Society**, Tel-Aviv, Israel, **2008**.
17. **A. Laish-Farkash**, S. Matetzky, S. Kassem, A. Barsheshet, H. Haj-Iahia, N. Ulanovsky, H. Hod.
Therapeutic Hypothermia for Comatose Patients: VF versus Other Initial Rhythm

- Does It Matter? **The 55th Annual Conference of the Israel Heart Society**, Tel-Aviv, Israel, **2008**.
18. **A. Laish-Farkash**, H. Hod, B. Sela, Y. Amsalem, A. Michailidis, S. Matetzky.
The Value of Troponin-I Curve after Primary PCI for ST Elevation Myocardial Infarction. **The 55th Annual Conference of the Israel Heart Society**, Tel-Aviv, Israel, **2008**.
19. A. Barsheshet, A. Sandach, M. Glikson, R. Kuperstein, I. Goldenberg, **A. Laish-Farkash**, M. Eldar, M.S. Feinberg.
Echocardiographic Variables and Left ventricular Morphology Patterns associated with Right and Left Bundle Branch Blocks. **The 55th Annual Conference of the Israel Heart Society**, Tel-Aviv, Israel, **2008**.
20. Y. Amsalem, V. Guetta, **A. Laish-Farkash**, A. Segev.
Comparison of Late versus Early Stent Thrombosis: 5-Year Experience from a Large Unselected Population. **The 55th Annual Conference of the Israel Heart Society**, Tel-Aviv, Israel, **2008**.
21. **A. Laish-Farkash**, D. Marek, D. Brass, E. Pras, N. Dascal, M. Arad, E. Nof, M. Eldar, H. Reznik-Wolf, O. Gurrevitz, M. Glikson, D. Luria.
A Novel Mutation in the HCN4 Gene Causes Familial Sinus Bradycardia in Two Unrelated Moroccan Families. **The 29th annual Scientific Sessions of Heart Rhythm Society**, San Francisco, CA USA, **2008**.
22. **A. Laish-Farkash**, D. Marek, D. Brass, E. Pras, N. Dascal, M. Eldar, E. Nof, M. Arad, M. Glikson, D. Luria.
A Novel HCN4 Mutation in Three Moroccan Families with Sinus Bradycardia. **The ESC Congress 2008**, Munich, Germany.
23. **A. Laish-Farkash**.
Andersen –Tawil syndrome- Sheba Experience. **The 9th conference of the Israeli Society of electrophysiology and pacing**. Goshrim. 2/09.
24. **A. Laish-Farkash**, E. Nof, D. Marek-Yagel, E. Pras, S. Viskin, M. Eldar, C. Antzelevitch, M. Glikson, D. Luria.
Genetic screening of familial sinus bradycardia. **ECAS 2009**, Paris, France
25. **A. Laish-Farkash**, E. Nof, D. Luria, N. Constantini, H. Yonat, M. Fridman, M. Eldar, C. Antzelevitch, M. Glikson.

- Incessant bidirectional ventricular tachycardia as the presenting arrhythmia of Andersen-Tawil syndrome in two families. **ECAS 2009**, Paris, France
26. **A. Laish-Farkash**, E. Nof, D. Marek-Yagel, E. Pras, S. Viskin, M. Eldar, C. Antzelevitch, M. Glikson, D. Luria.
Genetic screening of familial sinus bradycardia. **The 56th Annual Conference of the Israel Heart Society**, Tel-Aviv, Israel, **2009**.
27. **A. Laish-Farkash**, E. Nof, D. Luria, N. Constantini, H. Yonat, M. Fridman, M. Eldar, C. Antzelevitch, M. Glikson.
Incessant bidirectional ventricular tachycardia as the presenting arrhythmia of Andersen-Tawil syndrome in two families. **The 56th Annual Conference of the Israel Heart Society**, Tel-Aviv, Israel, **2009**.
28. E. Nof, **A. Laish-Farkash**, D. Marek, E. Pras, M. Eldar, C. Antzelevitch, M. Glikson, D. Luria.
Triple mutation of SCN5A associated with sinus bradycardia and conduction Disease. **The 56th Annual Conference of the Israel Heart Society**, Tel-Aviv, Israel, **2009**.
29. **A. Laish-Farkash**, E. Nof, D. Marek-Yagel, E. Pras, S. Viskin, M. Eldar, C. Antzelevitch, M. Glikson, D. Luria.
Genetic screening of familial sinus bradycardia. **EUROPACE 2009**, Berlin, Germany.
30. **A. Laish-Farkash**, E. Nof, D. Luria, N. Constantini, H. Yonat, M. Fridman, M. Eldar, C. Antzelevitch, M. Glikson.
Incessant bidirectional ventricular tachycardia as the presenting arrhythmia of Andersen-Tawil syndrome in two families. **EUROPACE 2009**, Berlin, Germany.
31. **A. Laish-Farkash**, M. Shurrab, F. Morriello, I. Tiong, A. Verma, G. Amit, S. Singh, D. Birnie, J. Healey, I. Lashevsky, D. Newman, E. Crystal.
Is there consensus on empiric slow pathway ablation? Insights from a Canadian survey of electrophysiologists. **The 32nd annual Scientific Sessions of Heart Rhythm Society**, San Francisco, CA USA, **2011**.
32. SO Oduneye, E. Crystal, L. Biswas, I. Lashevsky, E. Kadmon, T. Zeidan-Shwiri, **A. Laish-Farkash**, J. Barry, S. Ghate, V. Ramanan, G. Wright.

MR-Guided Endocardial mapping during programmed stimulation. **The 32nd annual Scientific Sessions of Heart Rhythm Society**, San Francisco, CA USA, **2011**.

33. **A. Laish-Farkash**, M. Shurrab, F. Morriello, I. Tiong, A. Verma, G. Amit, S. Singh, D. Birnie, J. Healey, I. Lashevsky, D. Newman, E. Crystal.
Is there consensus on empiric slow pathway ablation? Insights from a Canadian survey of electrophysiologists. **ECAS 2011**, Paris, France.
34. **A. Laish-Farkash**, M. Shurrab, L. Melvin, D. Newman, I. Lashevsky, I. Tiong, S. Singh, F. Morriello, S. Richard J, H. Wijeyasandera, E. Crystal
Nonfluoroscopic catheter-guided versus fluoroscopically guided catheter ablation procedures: a meta-analysis of randomized controlled trials. **ECAS 2011**, Paris, France.
35. M. Shurrab, E. Crystal, D. Newman, I. Lashevsky, M. Hansen, **A. Laish-Farkash**, A. Farrag, Z. ashour. The echocardiographic assessment of left atrial and appendageal size and function in predicting non-valvular post bypass atrial fibrillation. **ECAS 2011**, Paris, France.
36. **A. Laish-Farkash**, M. Shurrab, L. Melvin, D. Newman, I. Lashevsky, I. Tiong, S. Singh, F. Morriello, S. Richard J, H. Wijeyasandera, E. Crystal.
Nonfluoroscopic catheter-guided versus fluoroscopically guided catheter ablation procedures: a meta-analysis of randomized controlled trials. **Canadian Cardiovascular Congress (CCC) 2011**, Vancouver, Canada.
37. Yosefy C, Khalameizer V, Brodtkin B, **Laish-Farkash A**, Fishman I, Katz A. New Method for Assessment of Left Atrial Appendage Dimensions by Transesophageal 3D Echocardiography; **Israel Heart Society Annual Meeting, April 2011, Tel-Aviv, Israel**.
38. **A. Laish-Farkash**, A. Katz, V. Khalameizer. Transvenous multi-site CRTD implantation for the management of refractory ventricular tachycardia – a case presentation. **The Israeli Society of Pacing and Electrophysiology Meeting, 13/1/2012**, Ramat-Gan, Israel.
39. M. Shurrab, **A. Laish-Farkash**, F. Morriello, S. Singh, I. Lashevsky, R. Schilling, H. Wijeyasandera, G. Wright, A. Pinter, D. Newman, E. Crystal.
Fluoroscopic versus non-fluoroscopic guided ablations: Meta-analysis of

- randomized controlled trials. **IDSS- 2012**, Jerusalem, Israel.
40. T. Zeidan-Shwiri, I. Lashevsky, G. Paul, Y. Yuesong, E. Kadmon, A. Laish-Farkash, D. Kagal, A. Dick, A. Kiss, C. Lau, G. Wright, E. Crystal. Cardiac MRI indices predict inducible VT and appropriate ICD therapies in the patients with ICM. **IDSS- 2012**, Jerusalem, Israel.
41. **A. Laish-Farkash**, A. Katz, E. Fishman, C. Yosefy, V. Khazan, D. Ben-Shushan, V. Khalameizer. Multisite left ventricular endocardial pacing – a single center experience. **ECAS-2012**, Munich, Germany.
42. **A. Laish-Farkash**, A. Katz, E. Fishman, C. Yosefy, S. Cohen, I. Tcherniavsky, V. Khalameizer. Clinical experience with routine use of safesept J-shaped guidewire for transseptal puncture. **ECAS-2012**, Munich, Germany.
43. T. Zeidan-Shwiri, I. Lashevsky, Y. Yang, G. Paul, E. Kadmon, **A. Laish-Farkash**, D. Kagal, A. Dick, M. Shurab, S. Singh, C. Lau, W. Graham, A. Oshero, E. Crystal. Cardiac MRI indices predict inducible VT and appropriate ICD therapies in patients with ICM. **ECAS-2012**, Munich, Germany.
44. **A. Laish-Farkash**, A. Katz, E. Fishman, C. Yosefy, V. Khazan, D. Ben-Shushan, V. Khalameizer. Multisite left ventricular endocardial pacing – a single center experience. **The 59th Annual Conference of the IHS and ISCS, 2012**, Tel Aviv, Israel.
45. **A. Laish-Farkash**, A. Katz, E. Fishman, C. Yosefy, S. Cohen, I. Tcherniavsky, V. Khalameizer. Clinical experience with routine use of safesept J-shaped guidewire for transseptal puncture. **The 59th Annual Conference of the IHS and ISCS, 2012**. Tel Aviv, Israel.
46. **A. Laish-Farkash**, A. Katz, V. Khalemeizer. A case presentation of persistent atrial fibrillation. **The second Atrial Fibrillation Symposium**, Sheba Medical center, Israel, **2013**.
47. **A. Laish-Farkash**, A. Katz, S. Abuhatzera, C. Yosefi, Y. Elitzur, V. Khalameizer. Size does matter: prediction of arrhythmogenic pulmonary veins by the size of the veins during pulmonary vein isolation with PVAC®. **The 60th Annual Conference of the IHS and ISCS, 2013**. Jerusalem, Israel.
48. **A. Laish-Farkash**, A. Katz, S. Abuhatzera, C. Yosefi, Y. Elitzur, V. Khalameizer. Site localization of painful lesions during radiofrequency ablation of

- pulmonary veins using PVAC multi-electrode catheter. **The 60th Annual Conference of the IHS and ISCS, 2013**. Jerusalem, Israel.
49. Y. Elitzur, A. Katz, **A. Laish-Farkash**, N. Pancheva, V. Khazan, V. Khalameizer. LV Lead Placement Via the Inferior Phrenic Vein. **The 60th Annual Conference of the IHS and ISCS, 2013**. Jerusalem, Israel.
50. **A. Laish-Farkash**, A. Katz, E. Fishman, V. Khalameizer. PVAC versus nMARQ: Pulmonary vein isolation with circular multielectrode ablation systems for atrial fibrillation ablation – A single center experience. **IDSS-2014**, Tel Aviv, Israel
51. **A. Laish-Farkash**, A. Katz, V. Khalameizer, J. Jafari, E. Crystal, D. Newman, I. Lashevsky. A novel approach for aortic cusp VT ablation: Combined coronary artery contrast injection and 3D mapping using the same irrigated tip ablation catheter. **IDSS 2014-Tel Aviv Israel**
52. **A. Laish-Farkash**, A. Katz, E. Fishman, C. Yosefy, V. Khalameizer. Circular multielectrode ablation systems for atrial fibrillation ablation – A single center experience. **Annual Conference of the IHS and ISCS, 2014**. Tel Aviv, Israel.
53. **A. Laish-Farkash**, A. Katz, E. Fishman, B. Brodtkin, C. Yosefy, V. Khalameizer. Atrial fibrillation in the elderly population: efficacy and safety versus younger patients. **Annual Conference of the IHS and ISCS, 2014**. Tel Aviv, Israel.
54. **A. Laish-Farkash**, A. Katz, E. Fishman, I. Cohen, C. Yosefy, V. Khalameizer. A new stepwise approach for ablation of persistent atrial fibrillation using circular ablation catheters. **Annual Conference of the IHS and ISCS, 2014**. Tel Aviv, Israel.
55. **A. Laish-Farkash**, A. Katz, E. Fishman, C. Yosefy, V. Khalameizer. Circular multielectrode ablation systems for atrial fibrillation ablation – A single center experience. **Cardiostim, 2014**, Nice, France.
56. A. Osherov, I. Orlov, **A. Laish-Farkash**, A. Katz, J. Jafari. A simple lead rectangle reduces the operator's radiation exposure during transradial procedures. **Annual Conference of the IHS and ISCS, 2015**.
57. C. Yosefy, **A. Laish-Farkash**, Y. Azhibekov, B. Brodtkin, V. Khalameizer, A. Katz. Assessment of Left Atrial Appendage Dimensions using Real-Time 3-Dimensional Transesophageal Echocardiography. **Annual Conference of the IHS and ISCS, 2015**. Tel Aviv Israel

58. **A. Laish-Farkash**, E. Fishman, I. Cohen, C. Yosefy, A. Katz. Two for the price of one – Ablation of both atrial fibrillation and atypical atrial flutter using the same nMARQ™ multi-electrode catheter. **Annual Conference of the IHS and ISCS, 2015**. Tel Aviv Israel
59. **A. Laish-Farkash**, V. Khalameizer, E. Fishman, A. Osherov, C. Yosefy, A. Katz. Selective intra-procedural contrast injection for improving positioning of the nMARQ™ multi-electrode ablation catheter during pulmonary vein isolation- Preliminary results. **Annual Conference of the IHS and ISCS, 2015**. Tel Aviv Israel
60. **A. Laish-Farkash**, V. Khalameizer, E. Fishman, C. Yosefy, A. Katz. The efficacy of multisite cardiac resynchronization therapy in patients with severe heart failure and narrow complex QRS – Preliminary results of a prospective study. **Annual Conference of the IHS and ISCS, 2015**. Tel Aviv Israel
61. **A. Laish Farkash**, V. Khalameizer, E. Fishman, A. Costa, Y. Shmayahu, A. Katz. Prognostic Value of Epicardial Strain Amplitude at CRT LV Pacing Site. **Annual Conference of the IHS and ISCS, 2015**. Tel Aviv Israel
62. **A. Laish Farkash**, V. Khalameizer, E. Fishman, A. Costa, Y. Shmayahu, A. Katz. Prognostic Value of Epicardial Strain Amplitude at CRT LV Pacing Site. **EHRA EUROPACE- Cardiostim 2015, Milan, Italy**.
63. A. Osherov, S. Bruoha, **A. Laish-Farkash**, G. Paul, I. Orlov, A. Katz, J. Jafari. Reduction in operator radiation exposure during transradial coronary procedures using a simple lead rectangle. **EURO-PCR 2015, Paris, France**.
64. C. Yosefy, **A. Laish-Farkash**, Y. Azhibekov, V. Khalameizer, B. Brodtkin, A. Katz. A new method for direct 3-dimensional measurement of left atrial appendage dimensions during transesophageal echocardiography. **The annual conference of MACABI-ASSUTA 2015, Israel**.
65. **A. Laish-Farkash**, A. Sabbag, Y. Michowitz, M., Glikson, A. Glick, A. Katz, V. Khalameizer. Ablation-induced change in the course of fascicular tachycardia. **IDSS 2016 –Tel Aviv Israel**.
66. **A. Laish-Farkash**, S. Bruoha, A. Katz, I. Goldenberg, M. Suleiman, Y. Michowitz, V. Khalameizer. Morbidity and Mortality with Cardiac Resynchronization Therapy with Pacing (CRT-P) versus with Defibrillation

- (CRT-D) in Octogenarian Patients in a Real-World Setting. **IDSS 2016** –Tel Aviv Israel.
67. E. Leshem-Rubinow, M. Suleiman, **A. Laish-Farkash**, Y. Konstantino, M. Glikson, A. Barsheshet, I. Goldenberg, Y. Michowitz. Contemporary rates and outcomes of single vs. dual coil ICD lead implantation: data from the Israeli ICD registry. **HRS 2016, USA**
68. I. Goldenberg, A. Barsheshet, **A. Laish-Farkash**, M. Swissa, Y. Michowitz, M. Glikson, M. Suleiman. Anemia and the Risk of Life-Threatening Ventricular Tachyarrhythmias: Prospective Real World Data from the Israeli ICD Registry. **Annual Conference of the IHS and ISCS, 2016**, Tel Aviv Israel
69. **A. Laish-Farkash**, S. Bruoha, A. Katz, I. Goldenberg, M. Suleiman, V. Khalameizer. Cardiac Resynchronization Therapy with Pacing (CRT-P) versus with Defibrillation (CRT-D) in Octogenarian Patients with Heart Failure in a Real-World Setting. **Annual Conference of the IHS and ISCS, 2016**, Tel Aviv Israel
70. **A. Laish-Farkash**, A. Sabbag, Y. Michowitz, V. Khalameizer, A. Glick, A. Katz, M. Glikson. Ablation-Induced Change in the Course of Fascicular Tachycardia. **Annual Conference of the IHS and ISCS, 2016**, Tel Aviv Israel
71. **A. Laish-Farkash**, S. Bruoha, A. Katz, I. Goldenberg, M. Suleiman, V. Khalameizer. Cardiac Resynchronization Therapy with Pacing (CRT-P) versus with Defibrillation (CRT-D) in Octogenarian Patients with Heart Failure in a Real-World Setting. **EHRA EUROPACE- Cardiotim 2016, Nice, France**
72. A. Lador, A. Barsheshet, I. Goldenberg, M. Glikson, N. Shlomo, NA Freedberg, Y. Konstantino, **A. Laish-Farkash**, Y. Michowitz, A. Medina, M. Suleiman. Comparison of young (<45 years old) to old patients (>45 years old) treated with an implantable cardioverter defibrillator. **Annual Conference of the IHS and ISCS, 2017**, Tel Aviv Israel – **Accepted**
73. S. Abu-Salem, N. Shaheen, W. Darawsha, **A. Laish-Farkash**, M. Suleiman, M. Boulous, M. Blich, L. Gepstein. Identification of electrocardiographic characteristics in silent carriers of mutant KCNQ1 gene. **Annual Conference of the IHS and ISCS, 2017**, Tel Aviv Israel
74. E. Leshem-Rubinow, M. Suleiman, A. Laish-Farkash, Y. Konstantino, M.

- Glikson, A. Barsheshet, I. Goldenberg, Y. Michowitz. Impact of Quadripolar LV leads on Heart Failure Hospitalization Rates among Patients with CRT-D: Data from the Israeli ICD Registry. *HRS 2017, USA*
75. A. Gibrin, C. Yosefy, O. Cohen, R. Toledano, A. Laish-Farkash. The correlation between advanced coronary artery disease and epicardial adipose tissue characteristics in echocardiography. **Annual Conference of the IHS and ISCS, 2017, Tel Aviv Israel**
76. M. Blich, W. Darawsha, **A. Laish-Farkash**, M. Suleiman, L. Gepstein, M. Boulous. Electrocardiographic comparison of ventricular premature complexes in patients with inherited dilated cardiomyopathy and in patients with ventricular complex induced cardiomyopathy. **Europace 2017, Vienna Austria**
77. E. Leshem-Rubinow, M. Suleiman, **A. Laish-Farkash**, Y. Konstantino, M. Glikson, A. Barsheshet, I. Goldenberg, Y. Michowitz. Impact of Quadripolar LV leads on Heart Failure Hospitalization Rates among Patients with CRT-D: Data from the Israeli ICD Registry. **HRS 2017**
78. L. Grin, **A. Laish-Farkash**, C. Yosefi. Safety of Nifedipine in threatened preterm labor investigated by three-dimensional echocardiography. **The 5th International Congress on Cardiac Problems in Pregnancy (CPP2018), 22 - 25 February, 2018. Bologna, Italy**
79. E. Yahud, O. Tzuman, O. Kaplun-Baskin, Y. Kakzanov, **A. Laish-Farkash**, G. Marincheva, I. Goldenberg, E. Lev, E. Asher. Characteristics and prognosis of patients with acute coronary syndrome complicated by ventricular tachyarrhythmia in the last decade. **Annual Conference of the IHS and ISCS, 2018, Tel Aviv Israel**
80. C. Yosefy, L. Grin, **A. Laish-Farkash**, S. Shenhav, X. Piltz, L. Ganelin, M. Rabinovich, E. Anteby. Safety of nifedipine in threatened preterm labour: investigation by three-dimensional echocardiography. **Annual Conference of the IHS and ISCS, 2018, Tel Aviv Israel**
81. E. Yahud, O. Tzuman, O. Kaplun-Baskin, Y. Kakzanov, **A. Laish-Farkash**, G. Marincheva, I. Goldenberg, E. Lev, E. Asher. Characteristics and prognosis of patients with acute coronary syndrome complicated by ventricular tachyarrhythmia in the last decade. **ESC, 2018, Munich, Germany**

Invited lectures:

1. **A. Laish-Farkash.** A case presentation of persistent atrial fibrillation. **The second Atrial Fibrillation Symposium**, Sheba Medical center, Israel, **2013**.
2. **A. Laish-Farkash.** A Patient with atrial fibrillation developing ACS – case discussion. The event of foundation of Israeli forum of female cardiologists supported by the Israel Heart Association 12/2016, Hertzelia, Israel
3. **A. Laish-Farkash.** Sex differences in CIEDs. Cardiofemme conference – 2017, Galilion Hotel, Emek Hachula, Israel
4. **A. Laish-Farkash.** Sex differences in NOAC therapy. The Conference for Women Health- 20/12/17, Hertzelia, Israel
5. **A. Laish-Farkash.** Hot debates in cardiology – ICD in non-ischemic cardiomyopathy. The yearly meeting of Israel Heart Society 23/2/18, Eilat, Israel
6. **A. Laish-Farkash.** Hot debates in cardiology – The danger in radiation. Radiation conference of the IHS 5/10/2018, Tel Aviv, Israel
7. **A. Laish-Farkash.** Sex differences in NOAC treatment. Cardiofemme conference – 2018, Galilion Hotel, Emek Hachula, Israel

15. Competitive and Non-competitive Research Grants

- 1998 Rekanaty Fund for Medical Research, Sackler School of Medicine, Tel-Aviv University. A grant for PhD research; “Congenital Long QT Syndrome: Molecular and Electrophysiological Evaluation of a New SCN5A Mutation in a Large Israeli Pedigree”.
- PI: Dr. Avishag Laish-farkash; For the year 1998.
- 2000 Tel-Aviv University Fund for Medical Research
- A grant for PhD research: “Congenital Long QT Syndrome: Molecular and Electrophysiological Evaluation of a New SCN5A Mutation in a Large Israeli Pedigree”.
- PI: Dr. Avishag Laish-farkash; For the year 2000
- 2003 Sapir Fund for Medical Research, Tel-Aviv University
- A scholarship for PhD research; “Congenital Long QT Syndrome: Molecular and Electrophysiological Evaluation of a New SCN5A Mutation in a Large Israeli Pedigree”.

- PI: Dr. Avishag Laish-farkash; For the year 2003; 10,000 IS.
- 2005 The Neufeld Award of the Israel Heart Society for the original work: “New electrophysiological insights into the D1790G mutation causing long QT syndrome”(13/4/05).
- PI: Dr. Avishag Laish-farkash; For the year 2005; 3,000 IS.
- 2008 The Israel Heart Society Scholarship for Medical Research for the original work: "Sinus node dysfunction- clinical, genetic, molecular and cellular characteristics".
- PI: Dr. Avishag Laish-farkash; For the year 2008; 30,000 IS.
- 2016 Research grant from Ben-Gurion University of the Negev (The project of advancing medical research): “ Echocardiographic parameters of left atrium and left atrial appendage as predictors of left atrial cardiomyopathy in patients with and without atrial fibrillation”
- PI: Dr. Avishag Laish-Farkash; For the year 2016-17; 5000\$