

Curriculum Vitae – Barak Zafrir

PERSONAL DETAILS

Date Prepared: November 2016
Name: BARAK ZAFRIR

Office Address: Cardiovascular Department, Lady Davis Carmel Medical Center
7 Michal St., Haifa, Israel.
Home Address: 6/6 Moshe Dayan St. , Kiryat Tiveon , Israel
Phone: +972-0522541577
Email: barakzmd@gmail.com
FAX: +972-99560390
Place of Birth: ISRAEL
Date of Birth: June 11, 1974
Marital Status: Married; 2 Children

ACADEMIC DEGREES

1996-2002	M.D	Medicine	Faculty of Medicine, Technion, Israel Institute of Technology, Haifa, Israel.
-----------	-----	----------	---

PROFESSIONAL EXPERIENCE

2015-present **Director, Cardiac Prevention and Rehabilitation Service**
Carmel Medical Center, Haifa, Israel

2013-present **Preventive Cardiology / Lipid Clinics**

- (a) Carmel Medical Center, Haifa, Israel.
- (b) Acre, Clalit Health Services, Haifa and Western Galilee District.

2012-2013 **Advanced Clinical/Research Fellowship:**

Preventive Cardiology and Cardio-metabolic Diseases

Brigham & Women's Hospital, Harvard Medical School, Boston, USA,

[Fellowship Director: Jorge Plutzky M.D]

2010-present **Staff Cardiologist**

Cardiovascular Department, Carmel Medical Center, Haifa, Israel

2004-2010 **Residency and Fellowship:**

Internal Medicine and Cardiology

Carmel Medical Center, Haifa, Israel.

2003 **Internship:**

Medicine and Surgery

HaEmek Medical Center, Afula, Israel.

PROFESSIONAL COURSES

Oct. 2016 **Advanced Course on Familial Hypercholesterolemia**, European Atherosclerosis Society, Greece

Dec. 2015 **Hyperlipidemia Academy**, Amgen Co., Geneva, Switzerland.

Nov. 2014 **Cardiopulmonary Exercise Testing Training Course**, European Society of Cardiology, Veruno, Italy.

May 2013 **Masters in Lipidology Course**, National Lipid Association, Las-Vegas, USA.

2012-2013 **Biostatistics for Medical Researchers Course** (14 weeks), Center for Clinical Investigation, BWH & Harvard medical School, Boston, MA, USA.

RESEARCH INTERESTS

Cardio-metabolic Diseases

- Familial hypercholesterolemia
- Cardio-metabolic risk ; Diabetes and cardiovascular disease
- Cardiac rehabilitation & Cardiorespiratory fitness

Heart Failure

- Risks scores and Prognosis
- Pulmonary Hypertension
- Heart failure genetics

TEACHING EXPERIENCE

Technion, Faculty of Medicine and Carmel Medical Center:

- "Exposure to Medicine" Course, 1st year medical students (2016-2017)
- Cardiovascular Integrative Course, 4th year medical students (2013-2016)
- Cardiology Elective Clerkships, Tutor – 5th-6th year students (2014-2016)
- CME in Cardiology Course (2014-2016) – Preventive Cardiology and Lipids; Technion, Faculty of Medicine, Haifa, Israel
- Cardiometabolic Course for Pharmacologists (2014-2015).
- Diabetes Course for Nurses (2015)
- Lipids and Cardiovascular Risk, Medical Laboratory Course (2015)
- Graduate of "Promoting Teaching Course" , Technion Faculty of Medicine (2014)

PROFESSIONAL ACTIVITIES

- Course Coordinator , Cardiology CME, Technion, Faculty of Medicine, and Israel Heart Society (2016-2017)
- Reviewer Medical Journals:
 - American Journal of Cardiology
 - Cardiology Journal
 - Journal of General Internal Medicine
 - Cardiovascular Diabetology Journal
 - International Journal of Nutrition and Metabolism
 - Postgraduate Medicine
 - Journal of Science and Medicine in Sport

MEMBERSHIP IN PROFESSIONAL SOCIETIES

National:

2008- Israel Heart Society [Member]

International:

2012- European Association for Cardiovascular Prevention and Rehabilitation [Member].

2013- National Lipid Association (NLA) , USA [Member].

2014- Fellow of the European Society of Cardiology [FESC]

2015- European Atherosclerosis Society (EAS) [Member]

2015- Fellow of the American College of Cardiology [FACC]

Medical Certification & Licensure:

2004	M.D License	Israel Ministry of Health
2008	Specialist in Internal Medicine	Israel Ministry of Health
2010	Specialist in Cardiology	Israel Ministry of Health
05/2011	ECFMG Certificate, USA	Number 0-645-368-2

AWARDS / GRANTS

2012 Merck Cardiology Scholarship (12,000\$)

2012 Israel Medical Association Fellowship Stipend (4,000\$)

2015 Young Investigator Award Finalist,
American College of Cardiology (2500\$)

2015 Israel Heart Society, Congress Stipend Award (1500\$)

2016 Distinguished publication award (1st place), Israel Heart Society
(1500 NIS)

2016 Research Grant: Familial Hypercholesterolemia District
Project (70,000 NIS)

STUDENTS and INSTRUCTION

MD and basic sciences thesis:

2010-2013	Co-Instructor	Technion Medical School, MD Thesis Project of the Student: <i>Waseem Shehadeh</i>	Hemodynamic Characteristics of Heart Failure Patients with Pulmonary hypertension.
2010-2013	Co-Instructor	Technion Medical School, MD Thesis Project of the Student: <i>Roni Brin</i> .	Basal Serum Levels of Natriuretic Peptide in Heart Failure Patients; Correlation to Clinical Parameters and Mortality Prediction.
2014-2015	Instructor	Internal Medicine Basic Science <i>Dr. Mohanad Azaiza</i> .	Exercise testing in asymptomatic diabetic patients without cardiovascular disease: characteristics, prognostic impact, and comparison to other risk predictors.

PUBLICATIONS

Thesis

- 2009 Final Thesis work (part of Cardiology Fellowship requirements) :
Characteristics, Prognostic Factors and Risk Stratification of Chronic Heart Failure Patients in the Heart Failure Outpatient Clinic.

Refereed papers in professional journals:

- Clinical Research

1. **Zafrir B**, Zafrir N, Ben Gal T, Adler Y, Iakobishvili Z, Rhaman MA, Birnbaum Y. Correlation between ST-elevation and Q-waves on the pre-discharge electrocardiogram and the extent and location of MIBI perfusion

defects in anterior myocardial infarction. *Ann Noninvasive Electrocardiol.* 2004; 9(2):101-12.

2. **Zafrir B**, Cohen S. Primary prevention of high-risk dyslipidemic patients without established cardiovascular disease: Undertreatment and rationale for lipid lowering therapy. *Eur J Intern Med.* 2006; 17(7):495-99.
3. **Zafrir B**, Laor A, Bitterman H. Nonagenarians in Internal Medicine: Characteristics, Outcomes and Predictors for In-hospital and Postdischarge Mortality. *Isr Med Assoc J.* 2010; 12:10-15.
4. **Zafrir B**, Paz H, Wolff R, Salman N, Merhavi D, Lewis B.S, Amir O. Mortality Rates and Death Modes in Heart Failure Patients with Reduced Versus Preserved Systolic Function. *Eur J Intern Med.* 2011; 22(1):53-56.
5. Goren Y, Kushnir M, **Zafrir B**, Tabak S, Lewis BS, Amir O. Serum Levels of microRNAs in Patients with Heart Failure. *Eur J Heart Fail.* 2012; 14(2):147-54.
6. **Zafrir B**, Goren Y, Paz H, Wolff R, Salman N, Merhavi D, Lavi I, Lewis BS, Amir O. Risk Score Model for Predicting Mortality in Advanced Heart Failure Patients Followed in a Heart Failure Clinic. *Congest Heart Fail.* 2012; 18(5):254-61.
7. Amir O, Smith Y, **Zafrir B**, Azzam N, Lewis BS, Fares F. Absence of the $\alpha(2c)$ -adrenoceptor Del322-325 allele is associated with increased mortality in patients with chronic systolic heart failure. *J Card Fail.* 2012; 18(12):925-9.
8. Fares F, Smith Y, Azzam N, **Zafrir B**, Lewis BS, Amir O. The 894G Allele of the Endothelial Nitric Oxide Synthase 3 (eNOS) is Associated with Atrial Fibrillation in Chronic Systolic Heart Failure. *JAFIB: Journal of Atrial Fibrillation.* Dec 2012/Jan 2013; 5(4):24-30

9. **Zafrir B**, Shehadeh W, Salman N, Adir Y, Amir O. Prognostic Factors in Pulmonary Hypertension: The Obesity Paradox. *Respir Med.* 2013; 107(1):139-46.
10. Amir O, Rappaport D, **Zafrir B**, Abraham WT. A Novel Approach to Monitoring Pulmonary Congestion in Heart Failure: Initial Animal and Clinical Experiences Using Remote Dielectric Sensing Technology. *Congest Heart Fail.* 2013; 19(3):149-15.
11. Chamarthi B, **Zafrir B**, Plutzky J, Givertz MM. The Impact of Diabetes and Prediabetes on Heart Transplant Outcomes in Patients with Advanced Heart Failure. *J Heart Lung Transplant.* 2014; 33(2):215-7.
12. **Zafrir B**, Salman N, Amir O. Joint Impact of Body Mass Index and Physical Capacity on Mortality in Patients with Systolic Heart Failure. *Am J Cardiol* 2014; 113(7): 1217-21.
13. Brin R, **Zafrir B**, Salman N, Amir O. Single measurement of serum NT-proBNP: The best predictor of long-term mortality in patients with chronic systolic heart failure. *Eur J Intern Med.* 2014 Jun;25(5):458-62.
14. **Zafrir B**, Khashper A, Gaspar T, Dobrecky-Mery I, Azencot M, Lewis BS, Rubinshtein R, Halon DA. Prognostic Impact of Abdominal Fat Distribution and Cardiorespiratory Fitness in Asymptomatic Type 2 Diabetics. *Eur J Prev Cardiol.* 2015; 22(9):1146-1153.
15. **Zafrir B**, Goren Y, Salman N, Amir O. Comparison of body mass index and body surface area as outcome predictors in patients with systolic heart failure. *Cardiol J.* 2015; 22(4):375-38.
16. Azzam N, **Zafrir B**, Fares F, Smith Y, Salman N, Nevzorov R, Amir O. Endothelial Nitric Oxide Synthase Polymorphism and Prognosis in Systolic Heart Failure Patients. *Nitric Oxide.* 2015 May 1;47:91-6

17. Orbach A, Schliamser J, Flugelman MY, **Zafrir B**. Contemporary Evaluation of Non-surgical Causes of Cardiac Tamponade: Acute and Long-term Outcomes. *Cardiol J*. 2016; 23(1):57-63.
18. **Zafrir B**, Azaiaza M, Gaspar T, Dobrecky-Mery I, Azencot M, Lewis BS, Rubinshtein R, Halon DA. Cardiorespiratory fitness and coronary artery calcification: complementary cardiovascular risk predictors in asymptomatic type 2 diabetics. *Atherosclerosis* 2015; 241(2):634-640.
19. **Zafrir B**, Azencot M, Dobrecky-Mery I, Lewis BS, Flugelman MY, Halon DA. Resting Heart Rate and Measures of Effort Related Cardiac Autonomic Dysfunction Predict Cardiovascular Events in Asymptomatic Type 2 Diabetes. *Eur J Prev Cardiol*. 2016;23(12):1298-306.
20. **Zafrir B**, Salman N, Crespo-Leiro MG, Anker SD, Coats AJ, Ferrari R, Filippatos G, Maggioni AP, Mebazaa A, Piepoli MF, Ruschitzka F, El Shazly AH, Paniagua-Martin MJ, Segovia H, Laroche C, Amir O. Body Surface Area as a Prognostic Marker in Chronic Heart Failure Patients. *Eur J Heart Fail*. 2016;18(7):859-868.
21. Halon DA, Azencot M, Rubinshtein R, **Zafrir B**, Flugelman MY, Lewis BS. Coronary Computed Tomography (CT) Angiography as a Predictor of Cardiac and Noncardiac Vascular Events in Asymptomatic Type 2 Diabetics: A 7-Year Population-Based Cohort Study. *J Am Heart Assoc*. 2016 Jun 13;5(6).
22. Piepoli MF, Hoes AW, Agewall S, et al.; Authors/Task Force Members (*Zafrir B.- Israel Heart Society Representative*). 2016 European Guidelines on cardiovascular disease prevention in clinical practice: The Sixth Joint Task Force of the European Society of Cardiology and Other Societies on Cardiovascular Disease Prevention in Clinical Practice (constituted by representatives of 10 societies and by invited experts). *Eur Heart J*. 2016 Aug 1;37(29):2315-81.

23. **Zafrir B**, Shapira C, Lavie G, Halon DA, Flugelman MY. Identification and characterization of severe familial hypercholesterolemia in patients presenting for cardiac catheterization. *Accepted for Publication in Journal of Clinical Lipidology (October 2016)*.
24. Shotan A, **Zafrir B**, Ben Gal T, Vazan A, Gotsman I, Amir O. The Management and Outcome of Hospitalized and Ambulatory Israeli Heart Failure Patients in Comparison with European Heart Failure Patients: Results from ESC Heart Failure Long-Term Registry. *Accepted for publication to Isr Med Assoc J, (September 2016)*.
25. Karkabi B, Yaffe R, Halon DA, Merdler A, Khader N, Rubinshtein R, Goldstein J, **Zafrir B**, Zisman K, Ben-dov N, Gavrieli M, Focs A, Shiran A, Shaa J, Halabi S, Cohen S, Bergman I, Kassem S, Flugelman MY. An intervention to reduce the time interval between hospital entry and emergency coronary angiography in patients with ST-elevation myocardial infarction. *Accepted for publication in Isr Med Assoc J, November 2016*

- Reviews

26. **Zafrir B**, Amir O. Beta Blockers Therapy, Decompensated Heart Failure and Inotropic Interactions: Current Perspectives and Review of the Literature. *Isr Med Assoc J. 2012; 14(3):184-9.*
27. Ouma GO, **Zafrir B***, Mohler ER 3rd, Flugelman MY. Therapeutic Angiogenesis in Critical Limb Ischemia. *Angiology. 2013; 64(6):466-80.*
* *The authors Geoffrey O. Ouma and Barak Zafrir contributed equally to this study.*
28. **Zafrir B**. Brown Adipose Tissue: Research Milestones of a Potential Player in Human Energy Balance and Obesity. *Horm Metab Res. 2013; 45(11):774-85.*

29. **Zafrir B.** Exercise Training and Rehabilitation in Pulmonary Arterial Hypertension: Rationale and Current Data Evaluation. *J Cardiopulm Rehabil Prev.* 2013; 33(5):263-73.

30. **Zafrir B,** Mohit J. Lipid-lowering Therapies, Glucose Control and Incident Diabetes: Evidence, Mechanisms and Clinical Implications. *Cardiovasc Drugs Ther.* 2014 Aug;28(4):361-77.

- Case Reports

31. **Zafrir B,** Zimmerman M, Fellig Y, Naparstek Y, Reichman N, Flatau E. Small fiber neuropathy due to isolated vasculitis of the peripheral nervous system. *Isr Med Assoc J.* 2004; 6(3):183-4.

32. **Zafrir B,** Aviv A, Reichman N, Flatau E. Epstein-Barr Virus Associated Pericarditis and Pericardial Effusion: Case Report and Diagnostic Aspects. *Eur J Intern Med.* 2005; 16(7):528-30.

- Non-peer Reviewed publications

33. **Zafrir B,** Paz H, Wolff R, Salman N, Merhavi D, Antebi A, Yaniv N, Amar R, Lewis B.S, Amir O. Characteristics of heart failure patients admitted to a designated heart failure clinic in the community. *Harefua Update.* 2010;2:6-9.

34. Shteinberg M, **Zafrir B,** Adir Y. Evaluation and treatment of pulmonary hypertension. *Israel Journal of Medicine.* 2011; 26: 3-10.

BOOK CHAPTERS

1. Plutzky J, **Zafrir B**, Brown JD. Vascular Biology of Atherosclerosis in Patients with Diabetes: Inflammation, Dyslipidemia, Hypercoagulability, and Endothelial Dysfunction. In: *Diabetes Mellitus. A Companion to Braunwald's Heart Disease. 1st Edition. Elsevier Saunders, November 2014.*
2. **Zafrir B**, Plutzky J. Atherogenesis, Coronary Heart Disease and Insulin Resistance Syndrome in Diabetes. In: *International Textbook of Diabetes Mellitus. 4th Edition. Wiley-Blackwell, May 2015.*
3. **Zafrir B**. Lipid Management in the Cardiac Care Unit. In: Herzog's. The Cardiac Care Unit Manual. *Accepted for publication, October 2016.*

Submitted Publications

1. **Zafrir B**, Jubran A, Lavie G, Halon DA, Flugelman MY, Shapira C. Clinical Determinants and Treatment Gaps in Familial Hypercholesterolemia: Data from a Multi-Ethnic Regional Health Service. *Under review: European Journal of Preventive Cardiology (November 2016).*
2. **Zafrir B**, Jaffe R, Rubinshtein R, Karkabi B, Flugelman MY, Halon DA. Impact of Diabetes on Long-term Mortality in Patients Presenting for Coronary Angiography. *Under review: American Journal of Cardiology (November 2016).*
3. Halon DA, Jubran A, Rubinshtein R, **Zafrir B**, Azencot M, Lewis BS. Incidence and Predictors of Heart Failure in Asymptomatic Type 2 Diabetics: An 8 Year Prospective Cohort Study Following Baseline Cardiac CT Angiography. *Under review: JACC Heart Fail. (November 2016).*

CONFERENCES

International Abstract Presentations

1. Militianu A, **Zafrir B**, The Israeli group of pacing and electrophysiology. Implantable cardioverter defibrillator utilization among device recipients with hypertrophic cardiomyopathy. *Abstr. Suppl. European Heart Journal* 2002;4:149. (Oral presentation, the 24th ESC Congress, Berlin 2002).
2. **Zafrir B**, Laor A, Bitterman H. Nonagenarians in Internal Medicine: Hospitalization, characteristics, course and outcome. *Oral Presentation at the 7th congress of the European Federation of Internal Medicine, Rome 2008.*
3. **Zafrir B**, Shehadeh W, Salman N, Adir Y, Amir O. Prognostic Factors in Pulmonary Hypertension: The Obesity Paradox. *Oral presentation at the ACC Congress, Chicago, March 2012.*
4. Chamarthi B, **Zafrir B**, Plutzky J, Givertz MM. The Impact of Diabetes and Pre-diabetes on Heart Transplantation Outcomes in Patients with Advanced Heart Failure. *Presented at the 95th annual meeting of the American Endocrine Society, San-Fransisco, USA, June 2013.*
5. **Zafrir B**, Azaiza M, Gaspar T, Dobrecky-Mery I, Azencot M, Lewis B, Rubinstein R, Halon D. Cardiorespiratory fitness and coronary artery calcification: complementary risk predictors in asymptomatic type 2 diabetics. *J Am Coll Cardiol.* 2015;65(10_S). *Oral Presentation at the Young Investigator Finalists Award competition, ACC Congress, San-Diego, USA, 2015.*
6. Orbach A, Schliamsner JE, Flugelman MY, **Zafrir B**. Contemporary evaluation of non-surgical causes of cardiac tamponade: acute and long-term outcomes. *European Heart Journal* 36, 107-107. (presented at the annual ESC Congress, London, August 2015).

7. **Zafrir B**, Azencot M, Lewis BS, Flugelman MY, Halon DA. Resting heart rate and measures of effort related cardiac autonomic dysfunction predicts cardiovascular events in asymptomatic type 2 diabetics. *Oral presentation at the annual ESC Congress, London, August 2015.*
8. **Zafrir B**, Shapira C, Lavie G, Halo DA, Flugelman MY. Severe familial hypercholesterolemia: Prevalence and characterization of patients presenting for cardiac catheterization. *Atherosclerosis 252, e3 (Moderated poster, presented at the EAS congress, Innsbruck, Austria, April 2016).*
9. **Zafrir B**, Jaffe R, Shala J, Goldstein J, Khader N, Yaniv N, Karkabi B, Rubinshtein R, Merdler A, Flugelman MY, Halon DA. Impact of the Presence and Treatment Status of Diabetes on Long-term Mortality Following Coronary Angiography. *Oral presentation at the annual ESC Congress, Rome, Italy, August 2016.*

National Abstract Presentations

1. **Zafrir B**, Paz H, Wolff R, Salman N, Merhavi D, Antebi A, Yaniv N, Amar R, Lewis B.S, Amir O. Functional assessment tests and mortality in heart failure: which one is the best predictor ?. *Presented at the 57th annual congress of the IHS, Tel-Aviv, 2010.*
2. **Zafrir B**, Paz H, Wolff R, Salman N, Merhavi D, Antebi A, Yaniv N, Amar R, Lewis B.S, Amir O. Mortality in heart failure with preserved versus reduced systolic function: The same outcome but different causes. *Presented at the 57th annual congress of the IHS, Tel-Aviv, 2010.*
3. **Zafrir B**, Paz H, Wolff R, Salman N, Merhavi D, Antebi A, Schliamsner JE, Yaniv N, Amar R, Lewis B.S, Amir O. Comorbidities in heart failure: How common ? How bad? *Presented at the 57th annual congress of the IHS, Tel-Aviv, 2010.*

4. Salman N, **Zafrir B**, Adir Y, Lavi I, Merhavi D, Paz H, Amir O. High Mean Pulmonary Pressures are the Strongest Hemodynamic Parameter for Mortality Prediction in Patients with Heart Failure and Preserved Systolic Function and Associated Pulmonary Hypertension. *Presented at the 60th annual congress of the IHS, Jerusalem, 2013.*
5. Brin R, **Zafrir B**, Salman N, Paz H, Merhavi D, Amir O. Single Serum BNP Level at First Heart Failure Clinic is the Strongest Predictor for Two Years Mortality; A Call for Policy Change. *Presented at the 60th annual congress of the IHS, Jerusalem, 2013.*
6. **Zafrir B**, Salman N, Amir O. Joint impact of body mass index and physical capacity on mortality in patients with systolic heart failure. *Presented at the 61th annual congress of the IHS, Tel-aviv, 2014.*
7. **Zafrir B**, Khashper A, Gaspar T, Dobrecky-mery I, Azencot M, Rubinshtein R, Halon D. Abdominal fat distribution and cardiorespiratory fitness in type 2 diabetics:5 year outcome predictors. *Presented at the 61th annual congress of the IHS, Tel-aviv, 2014.*
8. **Zafrir B**, Azzam N, Fares F, Smith Y, Salman N, Nevzorov R, Amir O. Endothelial Nitric Oxide Synthase G-allele Homozigosity of the G894T Polymorphism is Associated with Increased Mortality in Systolic Heart Failure Patients. *Presented at the 62th annual congress of the IHS, Tel-aviv,2015.*
9. **Zafrir B**, Azaiaza M, Gaspar T, Dobrecky-Mery I, Azencot M, Lewis BS, Rubinshtein R, Halon DA. Cardiorespiratory fitness and coronary artery calcification: complementary cardiovascular risk predictors in asymptomatic type 2 diabetics. *Presented at the 62th annual congress of the IHS, Tel-aviv 2015*

10. **Zafir B**, Salman N, Maggioni AP, Laroche C, Amir O. Body Surface Area as a Prognostic Marker in Chronic Heart Failure Patients. Results from the Heart Failure registry of the European Society of Cardiology. *Presented at the 63rd annual congress of the IHS, Tel-aviv 2016*

11. **Zafir B**, Shapria C, Lavie G, Halon DA, Flugelman MY. Severe Familial Hypercholesterolemia: Prevalence and Characterization of Patients Presenting for Cardiac Catheterization. Presented at the 63rd annual congress of the IHS, Tel-aviv 2016.

12. **Zafir B**, Jaffe R, Shala J, Goldstein J, Khader N, Yaniv N, Karkabi B, Rubinshtein R, Merdler A, Flugelman MY, Halon DA. Impact of the Presence and Treatment Status of Diabetes on Long-term Mortality Following Coronary Angiography. *Presented at the 63rd annual congress of the IHS, Tel-aviv 2016*

Plenary or invited talks (2015-2016)

1. Israel Society for Research, Prevention and Treatment of Atherosclerosis. LDL Subfractions: what are they and should we test them. *Tel-aviv, May 2015.*
2. Psoriasis and Cardiovascular Disease Conference. Cardiovascular Risk Factors and their Management. *Haifa. November 2015.*
3. PCSK9 Inhibitors: New Therapeutic Era in Familial Hypercholesterolemia. *Clalit Health Services, Dead Sea, Israel, December 2015*
4. Alirocumab Odyssey Phase 3 Program. *Sanofi Advisory Board. January 2016*
5. Aspirin for the primary prevention of cardiovascular disease in women. *Women's Heart Convention, Haifa 2016.*
6. Aspirin for the primary prevention of cardiovascular disease and cancer. *Israel Society for Thrombosis and Hemostasis Annual Meeting, September 2016.*
7. Clinical determinants and treatment gaps in familial hypercholesterolemia. *Israel Atherosclerosis Society Annual Meeting, October 2016.*
8. PCSK9 Inhibitors: from biology to clinical practice. *Community Medicine Meeting, Clalit Health Services, Caesarea, November 2016.*