

Sarah Shimoni, MD**1. CURRICULUM VITAE****January 2011****1. Personal data**

Birth-date: Sept 14, 1962
ID number: 014816144
Family status: married
Number of children: 5
National service: Kaplan Medical Center, 1980-1
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2. Academic education

1985 Hebrew University, Hadassah Medical School, Jerusalem, B Med Sc.
1990 Hebrew University, Hadassah Medical School, Jerusalem, MD.
1988 Kaplan Medical Center, Rehovot, Rotating internship.
1989-90 Kaplan Medical Center, Rehovot, Residency Internal Medicine.
1990-91 The Weizmann Institute of Science, Department of Cell Biology, Rehovot. Research Fellow.
1991-1992 Rabin Medical Center, Campus Beilinson, Residency Internal Medicine .
1993 Certified specialist in Internal Medicine, Ministry of Health, Israel.
1993-5 Kaplan Medical Center, Heart Institute, Rehovot, Fellow, Cardiology.
1995 Certified specialist in Cardiology, Ministry of Health, Israel.
1998-2000 Baylor College of Medicine, Houston, Texas, USA. Fellow, Echocardiography.
2000- 2005 Kaplan Medical Center, Heart Institute, Senior Cardiologist and consultant Physician in charge, echocardiography service.
2005 Head of non invasive cardiology, Heart Institute, Kaplan Medical Center.

3. Appointments in the Hebrew University

1/10/2000 Instructor, Internal Medicine (Cardiology), Hebrew University, Hadassah Medical School, Jerusalem.

1/4/2003 Lecturer, Internal Medicine (Cardiology), Hebrew University, Hadassah Medical School, Jerusalem.

4/2010 Senior lecturer , Internal Medicine (Cardiology), Hebrew University, Hadassah Medical School, Jerusalem.

4. Additional Functions at the Hebrew University

2006 Internal medicine 4th year final exam committee.

5. Service in other academic & research institutions

2005, 2007, 2010 Tel Aviv University

Cardiology, continuing education course,
"New methods in echocardiography"

2006-2008 Co Instructor of BA student in bioengineering Ben Gurion University.

2005-2009 Co instructor of MA student in bioengineering Tel Aviv University.

6. Member of journal editorial, organization of conferences

Jan 2002; Member of the organizing committee, Mayo Clinic and Rappaport Institute conference, Valvular heart disease. Tel-Aviv.

November 2007; Member of the organizing committee, The 1st Ashkelon 3D echocardiography course.

Reviewer for JACC cardiovascular imaging Journal.

7. Grants

1. 1998-9 Support of Fellowship in Echocardiography, Merck Cardiology (MSD) and Israel Society of Cardiology, 20000\$ (100%). Ref #2,3,5.

2. 1999-2000 "myocardial contrast echocardiography in hibernating myocardium: a study of myocardial structure , perfusion and function", American Society of Echocardiography, 20000\$ (100%), Ref #7,8,9,10.

3. 2009-2011 Ministry of health , Chief scientist grant-

The use of myocardial strain imaging in the detection of coronary artery disease during stress echocardiography: systolic and diastolic deformation changes at rest and post exercise (300000 NIS for 2 years).

4. 2011-2012 Kupat cholim grant. Endothelial progenitor cells in aortic stenosis. Association with aortic stenosis severity, progression, symptoms and LV function assessed by 2D strain.(150000NIS)

8. Teaching

a) No MA or PHD students in the Hebrew University.

b) Supervision on Basic Science rotation for residents in internal medicine:

1)2007 Julia Vaprizki MD:

הקשר בין טיפול בסטטינים לבין הפרוגנוזה של קשישים מעל גיל 65 הסובלים ממחלה זיהומית חריפה.

2) 2008-2009 Uri Anock MD:

אי ספיקת לב בחולים מעל גיל 65: השפעה של תפקוד דיאסטולי, תפוקת לב ולחץ קולואיד אוסמוטי.

c) Cardiology/internal medicine 4th year students:

Cardiology 6th year students.

B. List of publications

1. Doctorate Thesis

A. Fink (mentor). Lymphocyte migration inhibition in melanoma. MD 1990, unpublished.

2. Books

None.

3. Editor of books

None.

4. Chapter in books

None.

5. Original papers in peer refereed journals

1. Goland S^{pi}, **Shimoni S^c**, Kracoff O^c (1999). Dilated cardiomyopathy in thyrotoxicosis. Heart. 81:444-5. (if 5.39, ir 9/95,ci 1, nci 1).
2. Shan K^{pi}, Bick RJ^c, Poindexter BJ^t, **Shimoni S^c**, Letsou GV^c, Reardon MJ^c, Howell JF^c, Zoghbi WA^c, Nagueh SF^{pi} (2000). Relation of tissue Doppler derived myocardial velocities to myocardial structure and beta - adrenergic receptor density in humans. J Am Coll Cardiol. 36:891-6. (if 12.64, ir 2/95,ci 107,nci 103).
3. Shan K^{pi}, Bick RJ^c, Poindexter BJ^t, Nagueh SF^c, **Shimoni S^c**, Verani MS^c, Keng F^t, Reardon MJ^c, Howell JF^c, Letsou GV^c, Zoghbi WA^{pi} (2000). Altered adrenergic receptor density in myocardial hibernation in humans: A possible mechanism of depressed myocardial function. Circulation. 102:2599-606. (if 14.82, ir 1/95, ci 40,nci 37).
4. Yong Y^{pi}, Nagueh SF^c, **Shimoni S^c**, Shan K^c, He ZX^c, Reardon MJ^c, Letsou GV^c, Howell JF^c, Verani MS^c, Quinones MA^c, Zoghbi WA^{pi} (2001). Deceleration time in ischemic cardiomyopathy: relation to

- echocardiographic and scintigraphic indices of myocardial viability and functional recovery after revascularization. Circulation. 103:1232-7. (if 14.82, ir 1/95,ci 26,nci 23).
5. **Shimoni S^{pi}**, Zoghbi WA^c, Xie F^c, Kricsfeld D^s, Iskander S^c, Gobar L^c, Mikati IA^c, Abukhalil J^t, Verani MS^c, O'Leary EL^c, Porter TR^{pi} (2001). Real time assessment of myocardial perfusion and wall motion during bicycle and treadmill exercise echocardiography: comparison with single photon emission computed tomography. J Am Coll Cardiol. 37: 741-7. (if 12.64, ir 2/95,ci 77,nci 75).
 6. Yong Y^{pi}, Wu D^{pi}, Fernandez V^c, Kopelen HA^t, **Shimoni S^c**, Nagueh SF^c, Callahan JD^c, Runs DE^c, Show LJ^c, Quinones MA^c, Zoghbi WA^{pi} (2002). Impact of Optison with harmonic imaging on evaluation of cardiac function in technically very difficult patients in the intensive care unit setting: comparison with transesophageal chocardiography. Am J Cardiol. 89:711-8. (if 3.58, ir 21/95,ci 41, nci 41).
 7. Frangogiannis NG^{pi}, **Shimoni S^c**, Min Chang S^c, Ren G^t, Shan K^c, Aggeli C^c, Reardon MJ^c, Letsou GV^c, Espada R^c, Ramchandani M^c, Entman ML^c, Zoghbi WA^c (2002). Characteristics of myofibroblast in the hibernating human myocardium. J Am Coll Cardiol. 39:1468-74. (if 12.64, ir 2/95, ci 44, nci 39).
 8. Frangogiannis NG^{pi}, **Shimoni S^c**, Min Chang S^c, Ren G^t, Shan K^c, Aggeli C^c, Reardon MJ^c, Letsou GV^c, Espada R^c, Ramchandani M^c, Entman ML^c, Zoghbi WA^c (2002). Evidence for an active inflammatory process in the hibernating human myocardium. Am J Pathol 160:1425-33. (if 5.67, ir 5/71, ci 39, nci 29).
 9. **Shimoni S^{pi}**, Frangogiannis NG^c, Aggeli CJ^c, Shan K^c, Quinones MA^c, Espada R^c, Letsou GV^c, Lawrie GM^c, Winters WL^c, Reardon MJ^c, Zoghbi WA^c (2002). Microvascular structural correlates of myocardial contrast echocardiography in patients with coronary artery disease and ventricular dysfunction: implications for the assessment of myocardial hibernation. Circulation. 106:950-6. (if 14.82, ir 1/95,ci 47,nci 46).
 10. Aggeli CJ^{pi}, **Shimoni S^{pi}**, Nagueh SF^c, Zoghbi WA^{pi} (2002). Influence of triggering mode on quantitation parameters of myocardial contrast

echocardiography in man. J Am Soc Echo 15:1432-1439 (if 2.98, ir 29/95,ci 4, nci 2).

11. **Shimoni S^{PI}**, Frangogiannis NG^C, Aggeli CJ^C, Shan K^C, Verani MS^C, Quinones MA^C, Espada RC, Letsou GV^C, Lawrie GM^C, Winters WL^C, Reardon MJ^C, Zoghbi WA^{PI} (2003). Identification of hibernating myocardium with quantitative intravenous myocardial contrast echocardiography: comparison with dobutamine echocardiography and thallium-201 scintigraphy Circulation. 107(4):538-44. (if 14.82, ir 1/95,ci 56, nci 55).
12. Goland S^{PI}, Ayzenberg O^{PI}, Kuznitz F^C, **Shimoni S^C**, Caspi A^C, Malnick SA^{PI} (2003). High incidence of Vitamin B12 deficiency in Israeli patients undergoing coronary angiography. Cardiovasc Drugs Ther. 17(2):191. (if 2.52, ir 39/95,ci 3, nci 1).
13. Goland S^{PI}, **Shimoni S^{PI}**, Livschitz S^{PI}, Loutaty G^T, Azulay O^t, Levy R^t, Caspi A^P, Arditi A^{pi} (2004). Dipyridamole-induced abnormal Tl-201 lung uptake in patients with normal myocardial perfusion: a marker of increased left ventricular filling pressures. J Nucl Cardiol. 11(3):305-11. (if 2.78, ir 32/95,ci 5, nci 4).
14. Goland S^{pi}, Beilinson N^{pi}, Kaftouri A^{pi}, **Shimoni S^c**, Caspi A^c, Malnick SD^{pi} (2004) Hemochromatosis mutations are not linked to dilated cardiomyopathy in Israeli patients. Eur J Heart Fail. 547-50. (if 3.71, ir 18/95,ci 6, nci 5).
15. Goland Sp^{pi}, **Shimoni S^{cpi}**, Zornitzki T^c, Knobler H^c, Azoulai O^t, Lutaty G^t, Melzer E^c, Orr A^c, Caspi A^c, Malnick S^{pi} (2006). Cardiac abnormalities as a new manifestation of nonalcoholic fatty liver disease: echocardiographic and tissue Doppler imaging assessment. J Clin Gastroenterol. 40(10):949-55. (if 2.2, ir 30/66,ci 10, nci 10).
16. Swissa M^{pi}, Epstein M^{pi}, Paz O^c, **Shimoni S^c**, Caspi A^{pi} (2008). Head-up tilt table testing in syncope: safety and efficiency of isosorbide versus isoproterenol in pediatric population. Am Heart J. 156(3):477-82. (if 4.36, ir 14/95, ci 1, nci 1).

17. Liel-Cohen N^{pi}, Tsadok Y^s, Beeri R^c, Lysyansky P^c, Agmon Y^c, Feinberg MS^c, Fehske W^c, Gilon D^c, Hay I^c, Kuperstein R^c, Leitman M^c, Deutsch L^c, Rosenmann D^c, Sagie A^c, **Shimoni S^c**, Vaturi M^c, Friedman Z^c, Blondheim DS^{pi} (2010). A new tool for automatic assessment of segmental wall motion based on longitudinal 2D strain: a multicenter study by the Israeli Echocardiography Research Group. Circ Cardiovasc Imaging. 3(1):47-53. (if 1.783, ir 51/95, ci 1, nci 1).
18. Blondheim DS^{pi}, Beeri R^c, Agmon Y^{pi}, Feinberg MS^c, Gilon D^c, Tsadok Y^s, Kuperstein R^c, Hay I^c, Lietman M^c, Rosenmann D, **Shimoni S^c**, Vaturi M^c, Sagie A^c, Fehske W^c, Liel-Cohen N^c (2010). How reproducible is visual assessment of left ventricular function and segmental wall motion? A multicenter study by the Israeli Echocardiography Research Group. J Am Soc Echocardiogr. 23(3):258-64. (if 2.981, ir 29/95, ci 1, nci 1).
19. Bachner-Hinenzon N^{pi}, Ertracht O^c, Leitman M^c, Vered Z^c, **Shimoni S^c**, Beeri R^c, Binah O^c, Adam D^c (2010). Layer-specific strain analysis by speckle tracking echocardiography reveals differences in left ventricular function between rats and humans. Am J Physiol Heart Circ Physiol. 299(3):H664-72. (if 3.71, ir 19/75, ci 0, nci 0).
20. **Shimoni S^{pi}**, Goland S^c, Livshitz S^c, Arditi A^c, Gendelman G^c, Edri O^c, Lutati G^c, Levi R^c, Caspi A^c, Epstein M^c (2010). Accuracy and long- term prognostic value of pacing stress echocardiography compared with Dipyridamole TI²⁰¹ emission computed tomography in patients with a permanent pacemaker and known or suspected coronary artery disease. Cardiology. 116(3):229-36. (if 1.637, ir 53/95, ci 1, nci 1).
21. **Shimoni S^{pi}**, Gendelman G^c, Aysenberg O^c, Edri O^c, Lysyansky P^c, Caspi A^c, Friedman Z^{pi}. Differential effects of coronary artery stenosis on myocardial function: The value of myocardial strain analysis for the detection of coronary artery disease. J Am Soc Echocardiogr. 2011 Jul;24(7):748-57
22. **Shimoni S**, Zilberman L, Edri O, Bar I, Goland S, Gendelman G, Swissa M, Livshitz S, Paz O, Aysenberg O, George J. Thoracic aortic atherosclerosis in patients with aortic regurgitation. Atherosclerosis. 2011 Sep;218(1):107-9
23. Blondheim DS, Friedman Z, Lysyansky P, Kuperstein R, Hay I, Feinberg MS, Beeri R, Vaturi M, Sagie A, **Shimoni S**, Fehske W,

Deutsch L, Leitman M, Gilon D, Agmon Y, Tsadok Y, Rosenmann D, Liel-Cohen N. Use of an automatic application for wall motion classification based on longitudinal strain: is it affected by operator expertise in echocardiography? A multicentre study by the Israeli Echocardiography Research Group. *Eur Heart J Cardiovasc Imaging*. 2012 Mar;13(3):257-62.

24. Lysiansky Michael, Bachner-Hinenzon Noa, Khamis Hanan, Smirin Nahum, Lysyansky Lysyansky, Friedman Zvi, Shimoni Sara, Fehske Wolfgang, Adam Dan. Measurements of transmural strain variations by two dimensional ultrasound speckle tracking. *Journal of Biomedical Graphics and Computing*. 2012 2(1)

24. **Shimoni S**, Bar I, Zilberman L, Goland S, Edri O, Gandelman G, Afek A, Shamiss A, George J. Circulating Progenitor and Apoptotic Progenitor Cells in Patients With Aortic Regurgitation. *Circ J*. 2012 Dec 5

25. Shmuel Schwartzberg MD, Valery Meledin MD, Liaz Zilberman MD, Sorel Goland MD, Jacob George MD, **Sara Shimoni MD**. Low circulating monocyte count is associated with severe aortic valve stenosis. Accepted to IMAJ

Multi center studies:

Tong AT, Roudaut R, Ozkan M, Sagie A, Shahid MS, Pontes Júnior SC, Carreras F, Girard SE, Arnaout S, Stainback RF, Thadhani R, Zoghbi WA (2004). Prosthetic Valve Thrombolysis-Role of Transesophageal Echocardiography (PRO-TEE) Registry Investigators (...**Shimoni S**) Transesophageal echocardiography improves risk assessment of thrombolysis of prosthetic valve thrombosis: results of the international PRO-TEE registry. *J Am Coll Cardiol*. 43(1):77-84.

Case reports

1. Beigel Y, Zelikovski A, **Shimoni S**, Ekstein J, Melloul M, Mor C, Fuchs J (1990). Chylous ascites as a presenting sign of prostatic adenocarcinoma. *Lymphology* 23:183-6.

2. **Shimoni S**, Abend Y, Shimoni A, Landau Z, Caspi A (1998). *Stenotrophomonas maltophilia* endocarditis following dental treatment in a previously healthy patient. J Infect. 37:305-6.
3. Goland S, **Shimoni S**, Attali M, Somin M, Azoulai O, Caspi A, Malnick SD (2005). Fatal ventricular arrhythmia as a complication of transesophageal echocardiography. Eur J Echocardiogr. 6(2):151-3.
4. Stephen DH, Malnick S, **Shimoni S**, Zimhony O (2006). An unusual case of endocarditis. CMAJ. 174(8):1087-8.
5. Mahlab K, Katz M, **Shimoni S**, Zborovsky M, Sthoeger ZM (2006). Diagnosis of candida endocarditis by computed tomography scanning. Isr Med Assoc J. 8(6):443-4

6. Invited lectures:

1. Complications of endocarditis: the role of echocardiography in decision-making. Mayo Clinic and Rappaport Institute conference, Valvular heart disease. Tel-Aviv, Jan 2002.
2. The role of contrast echocardiography in myocardial hibernation. Meeting of the Israeli Society of Echocardiography. July 2002.
3. Endocarditis 2007 updates. Medicine-cardiology meeting 2007.
4. Prosthetic valves in young women. Medicine-cardiology meeting 2007.

Abstracts:

Oral presentations:

1. Kracoff OH, **Shimoni S**, Oettinger M, Caspi A. Electrocardiography of isolated diagonal branch stenosis. Annual Meeting of Israel Heart Society, 1994.
2. Kracoff OH, Ayzenberg O, **Shimoni S**, Caspi A. Coronary angioplasty of total occlusion; immediate success and complication rate. Isr J Med Sci. 1996; 32: 142.
3. **Shimoni S**, Kracoff OH, Vishnitzer T, Ziv M, Caspi A. Osborn wave in endurance athletes. Isr J Med Sci. 1996; 32: 143.

4. Epstein M, **Shimoni S**, Paz O, Caspi A. Head up test in young soldiers suffering from recurrent syncope. *Isr J Med Sci*. 1996; 32: 143.
5. Shan K, Bick R, Poindexter B, Nagueh SF, **Shimoni S**, Verani MS, Keng F, Reardon MJ, Howell JF, Letsou GV, Zoghbi WA. Altered myocardial adrenergic receptor density: A possible mechanism of depressed myocardial function in patients with hibernating myocardium. *Circulation*. 1999; 100: I-K.
6. Aggeli CJ, **Shimoni S**, Nagueh SF, Zoghbi WA. Influence of triggering mode on quantitation parameters of myocardial contrast echocardiography in man. *Circulation*. 1999; 100: I-203.
7. Aggeli CJ, **Shimoni S**, Zoghbi WA. What image can be used for background subtraction in quantification myocardial contrast echocardiography during gated intermittent imaging. *Circulation*. 1999; 100: I-204.
8. Shan K, Bick R, Poindexter B, **Shimoni S**, Letsou GV, Reardon MJ, Howell JF, Zoghbi WA, Nagueh SF. Relation of tissue Doppler derived myocardial velocities to myocardial structure and beta-adrenergic receptor density in man. *J Am Coll Cardiol*. 2000; 35: 441a.
9. **Shimoni S**, Frangogiannis NG, Aggeli CJ, Shan K, Quinones MA, Espada R, Letsou GV, Lawrie GM, Winters WL, Reardon MJ, Zoghbi WA. Identification of hibernating myocardium with quantitative intravenous myocardial contrast echocardiography. *Circulation*. 2000; 102: II-747.
10. **Shimoni S**, Frangogiannis NG, Aggeli CJ, Shan K, Quinones MA, Espada R, Letsou GV, Lawrie GM, Winters WL, Reardon MJ, Zoghbi WA. Microvascular structural correlates of myocardial contrast echocardiography in patients with coronary artery disease and ventricular dysfunction. *Circulation*. 2000; 102: II-748.
11. **Shimoni S**, Frangogiannis NG, Aggeli CJ, Shan K, Nagueh SF, Reardon MJ, Espada R, Letsou GV, Quinones MA, Zoghbi WA. Quantitative myocardial contrast echocardiography improves the detection of hibernating myocardium that lacks contractile reserve with dobutamine echocardiography. *J Am Coll Cardiol*. 2001; 37: 451a.
12. **Shimoni S**, Goland S, Livshitz S, Caspi A, Epstein M. Long term prognostic value of pacing stress echocardiography compared to dipyridamole T201 tomography in patients with permanent pacemaker

- and known or suspected coronary disease. J Am Coll Cardiol. 2004; 39: 331a.
13. **Shimoni S**, Livshitz S, Lutati G, Edrei o, Levt R, Caspi A. Myocardial strain imaging improves the accuracy of standard Dipyridamole Echocardiography in detecting coronary artery disease. Annual Meeting of Israel Heart Society, 2008.
 14. **Shimoni S**, Filts X, Gendelman G, Aysenberg O, Smirin N, Lysyansky P, Freidman Histogram Analysis Improves Diagnostic Value of 2D Longitudinal Strain in Patients with Coronary Artery Disease (CAD). Annual Meeting of Israel Heart Society, 2010.

Posters

1. Kracoff OH, Ad N, **Shimoni S**, Caspi A. Accelerated progression of aortic stenosis post cardiac surgery. Isr J Med Sci. 1996; 32: S18.
2. **Shimoni S**, Shimoni A, Assali A, Epstein M, Oettinger M, Caspi A. Pulmonary hemorrhage after thrombolytic therapy for acute myocardial infarction. Annual Meeting of Israel Heart Society, 1997.
3. Goland S, **Shimoni S**, Kracoff OH, Caspi A. Pulmonary edema as a presenting symptom of thyrotoxicosis. Annual Meeting of Israel Heart Society, 1997.
4. Paz O, Oettinger M, Ayzenberg O, **Shimoni S**, Caspi A. Ventricular fibrillation- a sole presenting clinical sign of myocardial ischemia. Annual Meeting of Israel Heart Society, 1997.
5. Porter TR, Zoghbi WA, Silver M, Oster R, Gobar L, O'Leary E, Dittrich H, **Shimoni S**, Nagueh SF, Verani MS. Comparison of single photon emission computed tomography and accelerated intermittent harmonic imaging in detecting coronary artery Disease in patients undergoing treadmill, bicycle and dobutamine stress echocardiography. Circulation. 1999; 100: I-440.
6. **Shimoni S**, Kopelen HA, Nagueh SF, Verani MS, Feng S, Ping L, Quinones MA, Porter TR, Zoghbi WA. Myocardial perfusion and wall motion with accelerated intermittent imaging during supine bicycle exercise echocardiography: comparison with radionuclide tomography. Circulation. 1999; 100: I-51.
7. Fernandes VL, Nagueh SF, Aggeli CJ, **Shimoni S**, Zoghbi WA. Doppler peak early velocity, rather than pressure half time should be the initial screening parameter for mechanical prosthetic mitral valve dysfunction. Circulation. 1999; 100: I-574.
8. Frangogiannis NG, **Shimoni S**, Chang SM, Ren G, Shan K, Aggeli C,

- Reardon MJ, Letsou GV, Espada R, Ramchandani M, Entman ML, Zoghbi WA. et al. Monocyte chemotactic protein (MCP)-1 expression and mononuclear cell infiltration in the hibernating myocardium. Circulation. 2000; 102: II-313.
9. Frangogiannis NG, **Shimoni S**, Chang SM, Ren G, Shan K, Aggeli C, Reardon MJ, Letsou GV, Espada R, Ramchandani M, Entman ML, Zoghbi WA. Expression of the embryonal isoform of smooth muscle myosin heavy chain (SMemb) and fibroblast phenotypic modulation in the hibernating human myocardium. Circulation. 2000; 102: II-343.
 10. Goland S, **Shimoni S**, Lifschitz S, Lutati G, Levi R, Azulai O, Caspi A, Arditi A. Relation of echo Doppler left ventricular filling to thalium lung uptake during dipyridamol infusion. Eur J echo. 2001;2:S-3.
 11. **Shimoni S**, Goland S, Azulai O, Lutati G, Kazarski R, Shul P, Bogoslavsky G, Gurevits S, Kagan A, Caspi A. Effect of volume reduction with hemodialysis on left ventricular diastolic filling parameters. Eur J echo. 2001;2:S-5.
 12. Frangogiannis NG, **Shimoni S**, Min Chang S, Ren G, Shan K., Aggeli C, Reardon MJ, Letsou GV, Espada R, Ramchandani M, Entman ML, Zoghbi WA. Evidence for an active inflammatory process in the hibernating human myocardium. Eur heart journal. 2002; 23 S
 13. **Shimoni S**, Goland S, Livshitz S, Caspi A, Epstein M. ;The accuracy of pacing stress echocardiography compared to dipyridamole T201 tomography in patients with permanent pacemaker and known or suspected coronary disease. American society of echocardiography meeting, 2004.
 14. Goland S, Epstein M, Korbut Z, Mahadi A, Caspi A, **Shimoni S**. The right ventricular myocardial performance index: A new powerful prognostic parameter in patients with advanced congestive heart failure. Circulation. 2004; 110, 592.
 15. Swissa M, Epstein M, Paz O, **Shimoni S**, Caspi A. Head-up tilt table testing in syncope: safety and efficiency of isosorbide versus isoproterenol in pediatric population. Eur Heart J. 2006;127,186-187.
 16. Livshitz S, **Shimoni S**, Oettinger M, Levy R, Lutati G, Edri O, Caspi A. Left ventricular assessment by Rest Gated Tl-201 SPECT: Comparison with Two-dimensional Echocardiography. Annual Meeting of Israel Heart Society, 2008.
 17. Liel-Cohen N, Tsadok Y, Beeri R, Lysyansky P, Agmon Y, Feinberg MS, Fehske W, Gilon D, Hay I, Kuperstein R, Leitman M, Deutsch L, Rosenmann D, Sagie A, **Shimoni S**, Vaturi M, Friedman Z,

- Blondheim DS. A new tool for automatic assessment of segmental wall motion based on longitudinal 2D strain: a multicenter study by the Israeli Echocardiography Research Group. ACC 2009.
18. Blondheim DS, Beerli R, Agmon Y, Feinberg MS, Gilon D, Tsadok Y, Kuperstein R, Hay I, Lietman M, Rosenmann D, **Shimoni S**, Vaturi M, Sagie A, Fehske W, Liel-Cohen N. How reproducible is visual assessment of left ventricular function and segmental wall motion? A multicenter study by the Israeli Echocardiography Research Group. ACC 2009.
19. **Shimoni S**, Filts X, Gendelman G, Aysenberg O, Smirin N, Lysyansky P, Freidman Z. Histogram analysis improves diagnostic value of 2D longitudinal strain in patients with coronary artery disease (CAD). ACC 2010.