

15 Sep 2018

CURRICULUM VITAE AND LIST OF PUBLICATIONS

1. Personal Details

Family name, first name: Wolak, Arik

Date and place of birth: 24/1/1967, Hadera, Israel

Marital status: Married + 3

Address (Office): Cardiology Department, Shaare Zedek Medical Center,
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2. Academic Education

First degree (B.Med.Sc.):

1989, Faculty of health sciences, school of medicine
Ben-Gurion University of the Negev, Beer-Sheva, Israel.

Third degree (M.D)

1992, Faculty of Health Sciences, Ben-Gurion University of the
Negev, Beer-Sheva, Israel.
Advisor: Prof. Ron Dagan

3. Professional Training

1992-1993 Internship- Soroka University Medical Center, Beer-Sheva,
Israel.
1997-2002 Residency in Medicine- Soroka University Medical Center,
Beer-Sheva, Israel.
2002-2005 Cardiology Fellowship- Soroka University Medical Center,
Beer-Sheva, Israel.
2006- 2008 Cardiac imaging fellowship – Cedars-Sinai Medical Center,
Los Angeles, USA.

4. Board Certification

Internal Medicine	2002
Cardiology	2006
Cardiac Imaging	2008

5. Professional Licensing

Medical License,	24375, 1993
Specialty License (internal medicine),	19677, 2002
Specialty License (cardiology),	22122, 2006

6. Employment History (in chronological order)

1992-1993	Internship- Soroka University Medical Center, Beer-Sheva, Israel.
1993-1997	IDF Medical Corps
1997-2002	Residency in internal medicine- Soroka University Medical Center, Beer-Sheva, Israel.
2002-2005	Cardiology Fellowship- Soroka University Medical Center, Beer-Sheva, Israel.
2005- 2006	Senior cardiologist - Soroka University Medical Center, Beer-Sheva, Israel.
2006- 2008	Cardiac imaging fellowship – Cedars-Sinai Medical Center, Los Angeles, USA.
2008- 2013	Senior cardiologist – supervisor of cardiac imaging service – Soroka University Medical Center, Beer-Sheva, Israel.
2014-	Head of Cardiac imaging unit, Department of Cardiology, Shaare Zedek Medical Center, Jerusalem
2018-	Deputy Director, Jesselson Integrated Heart Center, Shaare Zedek Medical Center, Jerusalem

7. Academic Appointments (in chronological order)

1999,	Instructor Lecturer in Medicine, Faculty of Health Sciences, Ben-Gurion University of the Negev.
2005,	Lecturer in Medicine, Faculty of Health Sciences, Ben-Gurion University of the Negev.
2010,	Senior lecturer in Medicine, Faculty of Health Sciences, Ben-Gurion University of the Negev.

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

The Anatolian Journal of Cardiology - Reviewer

The International Journal of Cardiovascular Imaging -Reviewer
Journal of Cardiovascular Computed Tomography - Reviewer
Journal of the American College of Cardiology - Reviewer

9. Membership in Professional/Scientific Societies

2004 - Israel Heart Society
2004 - European Society of Cardiology
2010- Israel Radiological Association
2013- Society of Cardiovascular Computed Tomography

10. Educational Activities

Courses taught

1989-1992 Clinical aspects of basic science for first year medical students.
Ben –Gurion University of the Negev, Faculty of Health Science.
1989-1992 Clinical pharmacology for nurses, Ben-Gurion University of the
Negev.
1990-1992 Clinical microbiology for nurses, Ben-Gurion University of the
Negev, Faculty of Health Science.
1999-2002 Clerkship in internal medicine fourth and sixth year medical
students. Ben–Gurion University of the Negev, Faculty of Health
Science.
1999-2002, Instructor, physical examination for forth year medical students.
Ben–Gurion University of the Negev, Faculty of Health Science.

2002-2006, Cardiology for nurses and paramedics students, Ben- Gurion
University of the Negev, Faculty of Health Science.

2008- Cardiology for students of medicine, third year, Ben-Gurion
University of the Negev, Faculty of Health Science

2008- Cardiology for students of medicine, fifth year, Ben-Gurion
University of the Negev, Faculty of Health Science

- 2008- Cardiology for students of medicine, third year, Ben-Gurion University of the Negev, Faculty of Health Science
- 2011- Advanced cardiac imaging for biomedical engineering students, Ben-Gurion University of the Negev, Faculty of Engineering
- 2014- Non-invasive testing in cardiology, 4th year – Hebrew University, faculty of medicine
- 2014- Cardiac imaging 3rd, 4th and 6th year, clinical rotation – Hebrew University, faculty of medicine

Research students

- 2006- Lital Jacobovich, M.D.: Rate of patients with atrial flutter among patients with a diagnosis of atrial fibrillation hospitalized in internal medicine and cardiology wards. Faculty of medicine, the Hebrew university of Jerusalem. With Prof. Amos Katz
- 2009- Einat Refaeli - The Risk for cardiac death and myocardial infarction with its Temporal Variation in Smoker vs. Non-smoker Patients with Normal Stress Myocardial Perfusion Scans
- 2010- Lior Shem-Tov: Suspected Left Ventricular Thrombus – Prevalence and clinical Characteristics
- 2010 – Ron Gal: Rate and Characteristics of Patients with Normal Coronary Arteries or Insignificant Coronary Artery Disease among Patients that Underwent Elective Invasive Coronary Angiography in Soroka University Medical Center Angiography Laboratory During 1999-2009
- 2010 - Ilya Kumets: Natural History and Prognosis of Discrete Subaortic Stenosis

2012 - Amir Sharon: Adverse Outcomes in Patients Treated with Alpha Blockers for Hypertension -Analysis of 19,508 Patients

2012 - Hilla Hassid: master project on the subject of pericardial fat analysis of cardiac MRI images.

2013 - Gal Tsaban: master project on the subject of pericardial fat analysis of cardiac MRI images.

2014 - Noa Rotbart: Novel approach for myocardial perfusion assessment by CCTA

2016 - Daniel Mann: 6th year medical student HUJI. The role of left ventricular circumferential rotation in secondary mitral regurgitation mechanism.

2016 - Ariel Verbner: 6th year medical student HUJI. Assessment of aortic valve calcification, comparison of two modalities – cardiac CT vs. echocardiography

2017- Yoed Steinmatz: Internal medicine resident SZMC. The prevalence of bicuspid aortic valve among patient referred for CTA assessment before TAVI procedure – cross sectional study

11. Additional Functions

Ben-Gurion University of The Negev

2000 -Member, Student admission committee. Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel.

2001-2006 Chairman of internship program, Soroka University Medical Center, Beer-Sheva, Israel.

2001-2007 Member, curriculum committee for sixth year medical students. Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel.

2010-2014 Member, curriculum committee for third year medical students. Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel.

2011-2013 Member- Scientific Experience Committee (Student's research projects)

Others

16 May 2005 – Invited participant to International Committee to Revitalize Academic Medicine (ICRAM). Regional consultation. Jerusalem, Israel.

November 2006 – March 2007 - Nuclear Medicine Basic Science Course: Medical nuclear physics, instrumentation, radiopharmaceutical chemistry, computer sciences, statistics, radiation biology and radiation safety. Cedars Sinai Medical Center, Los Angeles, USA.

19-21 January 2007 – Nuclear Cardiology and cardiac CT: Case review with the experts. Cedars Sinai Medical Center, Los Angeles, USA.

23-25 January 2008– Nuclear Cardiology and cardiac CT: Case review with the experts. Cedars Sinai Medical Center, Los Angeles, USA

2010 - Member of a joint committee of the Israeli Heart Society and Israel Society of Radiology to write the Appropriateness Criteria for the use of Cardiac Computed Tomography: Position Paper of the Israeli Heart Society and Israeli Society of Radiology

2010 - Member of a joint committee of the Israeli Heart Society to write the Recommendations for reducing radiation exposure in myocardial perfusion imaging

2011 – Secretary of the Israeli working group on nuclear cardiology & cardiac CT

2012 - Member of a joint committee of the Israeli Heart Society and Israel Society of Radiology to write the Appropriateness Criteria for the use of Cardiac MRI: Position Paper of the Israeli Heart Society and Israeli Society of Radiology

2012- Member of the cardiology boards committee

2014 - Member of the Israel Columbia Cardiovascular Initiative

2014-2016 – Chairman of the Israeli working group on nuclear cardiology & cardiac CT

2017 – Member of the Israeli Heart Society sport cardiology forum

12. Awards, Citations, Honors, Competitive Fellowships

Honors citation awards

2004 - Best abstract award. 6th international meeting on interventional cardiology: Frontiers in interventional cardiology. Tel-Aviv, Israel

2006 - Merit certificate of the Israeli heart society - Excellent publication for the year 2005. The 53th annual conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery. Tel-Aviv, Israel; 2006.

2012 - Validation of Aortic Pulse Wave Velocity Analysis Assessed With Velocity-encoded MRI Using Parallel Imaging With High Reduction Factor. Israel Radiological Association Annual Meeting (Senior author). Eilat, Israel; 2012.

2012-2015 The Franklin Nassery career development chair in cardiology

Fellowship

2006-2008 Grant from the Save A Heart Foundation (SAHF).
Research fellowship for Israeli medical specialists in the Cedars-Sinai Medical Center division of Cardiology.

13. Scientific Publications

Refereed articles in scientific journals

1. Cohen AD, **Wolak A**, Alkan M, Shalev R, Vardy DA. AFSS: athlete's foot severity score. A proposal and validation. *Mycoses* 2002;45(3-4):97-100. IF 1.5
2. **Wolak A**, Gilutz H, Amit G, Cafri C, Ilia R, Zahger D. Door to balloon and door to needle: temporal trends in delays to reperfusion. *Isr Med Assoc J* 2003;5(12):852-5. IF 0.6
3. Amit G, Gilutz H, Cafri C, **Wolak A**, Ilia R, Zahger D. What have the new definition of acute myocardial infarction and the introduction of troponin measurement done to the coronary care unit? Impacts on admission rate, length of stay, case mix and mortality. *Cardiology* 2004;102(3):171-6. IF 1.3
4. **Wolak A**, Ayzenberg Y, Cafri C, Gilutz H, Ilia R, Zahger D. Can enoxaparin safely replace unfractionated heparin during coronary intervention in acute coronary syndromes? *Int J Cardiol* 2004;96(2):151-5. IF 3.1
5. Cohen AD, **Wolak A**, Alkan M, Shalev R, Vardy DA. Prevalence and risk factors for tinea pedis in Israeli soldiers. *Int J Dermatol* 2005;44(12):1002-5. IF 1.4
6. **Wolak A**, Amit G, Cafri C, Gilutz H, Ilia R, Zahger D. Increased long term rates of stent thrombosis and mortality in patients given clopidogrel as compared to ticlopidine following coronary stent implantation. *Int J Cardiol* 2005;103(3):293-7. IF 3.1
7. Zahger D, Maimon N, Novack V, **Wolak A**, Friger M, Gilutz H, Ilia R, Almog Y. Clinical characteristics and prognostic factors in patients with complicated acute coronary syndromes requiring prolonged mechanical ventilation. *Am J Cardiol* 2005;96(12):1644-8. IF 3.9
8. Abramov D, Abu-Tailakh M, Frieiger M, Ganiel A, Tuvbin D, **Wolak A**. Plasma troponin levels after cardiac surgery vs after myocardial infarction. *Asian Cardiovasc Thorac Ann* 2006;14(6):530-5.

9. Amit G, Cafri C, Yaroslavtsev S, Fuchs S, Paltiel O, Abu-Ful A, Weinstein JM, **Wolak A**, Ilia R, Zahger D. Intracoronary nitroprusside for the prevention of the no-reflow phenomenon after primary percutaneous coronary intervention in acute myocardial infarction. A randomized, double-blind, placebo-controlled clinical trial. *Am Heart J* 2006;152(5):887 e9-14. IF 4.3
10. **Wolak A**, Amit G, Cafri C, Zahger D, Gilutz H, Ilia R. [Diabetics with normal coronary arteries: clinical features and prognosis]. *Harefuah* 2006;145(5):332-3, 399.
11. **Wolak A**, Yaroslavtsev S, Amit G, Birnbaum Y, Cafri C, Atar S, Gilutz H, Ilia R, Zahger D. Grade 3 ischemia on the admission electrocardiogram predicts failure of ST resolution and of adequate flow restoration after primary percutaneous coronary intervention for acute myocardial infarction. *Am Heart J* 2007;153(3):410-7. IF 4.3
12. Wolak T, Anfanger S, **Wolak A**, Furman T, Abuara'ar T, Biton A, Pilpel D, Paran E. Target organ damage in hypertensive patients of different ethnic groups. *Int J Cardiol* 2007;116(2):219-24. IF 3.1
13. Cheng V, Gutstein A, **Wolak A**, Suzuki Y, Dey D, Gransar H, Thomson LE, Hayes SW, Friedman JD, Berman DS. Moving beyond binary grading of coronary arterial stenoses on coronary computed tomographic angiography: insights for the imager and referring clinician. *JACC Cardiovasc Imaging* 2008;1(4):460-71. IF 5.84
14. Dey D, Lee CJ, Ohba M, Gutstein A, Slomka PJ, Cheng V, Suzuki Y, Suzuki S, **Wolak A**, Le Meunier L, Thomson LE, Cohen I, Friedman JD, Germano G, Berman DS. Image quality and artifacts in coronary CT angiography with dual-source CT: initial clinical experience. *J Cardiovasc Comput Tomogr* 2008;2(2):105-14. IF 3.185
15. Gutstein A, Dey D, Cheng V, **Wolak A**, Gransar H, Suzuki Y, Friedman J, Thomson LE, Hayes S, Pimentel R, Paz W, Slomka P, Le Meunier L, Germano G, Berman DS. Algorithm for radiation dose reduction with helical dual source coronary computed tomography angiography in clinical practice. *J Cardiovasc Comput Tomogr* 2008;2(5):311-22. IF 3.185
16. Gutstein A, **Wolak A**, Lee C, Dey D, Ohba M, Suzuki Y, Cheng V, Gransar H, Suzuki S, Friedman J, Thomson LE, Hayes S, Pimentel R, Paz W, Slomka

- P, Berman DS. Predicting success of prospective and retrospective gating with dual-source coronary computed tomography angiography: development of selection criteria and initial experience. *J Cardiovasc Comput Tomogr* 2008;2(2):81-90. IF 3.185
17. Suzuki Y, Slomka PJ, **Wolak A**, Ohba M, Suzuki S, De Yang L, Germano G, Berman DS. Motion-frozen myocardial perfusion SPECT improves detection of coronary artery disease in obese patients. *J Nucl Med* 2008;49(7):1075-9. IF 6.7
18. **Wolak A**, Gransar H, Thomson LE, Friedman JD, Hachamovitch R, Gutstein A, Shaw LJ, Polk D, Wong ND, Saouaf R, Hayes SW, Rozanski A, Slomka PJ, Germano G, Berman DS. Aortic size assessment by noncontrast cardiac computed tomography: normal limits by age, gender, and body surface area. *JACC Cardiovasc Imaging* 2008;1(2):200-9. IF 5.84
19. **Wolak A**, Gutstein A, Cheng VY, Suzuki Y, Thomson LE, Friedman J, Dey D, Hayes SW, Slomka PJ, Germano G, Berman DS. Dual-source coronary computed tomography angiography in patients with atrial fibrillation: initial experience. *J Cardiovasc Comput Tomogr* 2008;2(3):172-80. IF 3.185
20. **Wolak A**, Slomka PJ, Fish MB, Lorenzo S, Berman DS, Germano G. Quantitative diagnostic performance of myocardial perfusion SPECT with attenuation correction in women. *J Nucl Med* 2008;49(6):915-22. IF 6.7
21. **Wolak A**, Slomka PJ, Fish MB, Lorenzo S, Acampa W, Berman DS, Germano G. Quantitative myocardial-perfusion SPECT: comparison of three state-of-the-art software packages. *J Nucl Cardiol* 2008;15(1):27-34. IF 2.4
22. Berman DS, Kang X, Tamarappoo B, **Wolak A**, Hayes SW, Nakazato R, Thomson LE, Kite F, Cohen I, Slomka PJ, Einstein AJ, Friedman JD. Stress thallium-201/rest technetium-99m sequential dual isotope high-speed myocardial perfusion imaging. *JACC Cardiovasc Imaging* 2009;2(3):273-82. IF 5.84
23. Biner S, Rafique A, **Wolak A**, Tolstrup K, Siegel RJ. Visual Assessment of Left Ventricular Dyssynchrony Using Tissue Synchronization Imaging. *Cardiology* 2009;114(2):90-99. IF 1.8
24. Cheng VY, **Wolak A**, Gutstein A, et al. Low-density lipoprotein and noncalcified coronary plaque composition in patients with newly diagnosed

- coronary artery disease on computed tomographic angiography. *Am J Cardiol.* Mar 15 2010;105(6):761-766. IF 3.4
25. Shiyovich A, **Wolak A**, Yacobovich L, Grosbard A, Katz A. Accuracy of diagnosing atrial flutter and atrial fibrillation from a surface electrocardiogram by hospital physicians: analysis of data from internal medicine departments. *Am J Med Sci.* Oct 2010;340(4):271-275. IF 1.8
26. Nakazato R, Tamarappoo BK, Kang X, et al. Quantitative upright-supine high-speed SPECT myocardial perfusion imaging for detection of coronary artery disease: correlation with invasive coronary angiography. *J Nucl Med.* Nov 2010;51(11):1724-1731. IF 6.7
27. Rubinshtein R, **Wolak A**, Goitein O, et al. [Appropriateness criteria for the use of cardiac computed tomography: position paper of the Israeli Heart Society and the Israeli Society of Radiology]. *Harefuah.* 2011;150(10):801-5, 813.
28. Ilia R, Cafri C, **Wolak A**, Weinstein JM. Isolated Nondominant Right Coronary Stenosis: Clinical Presentation and Management. *Angiology.* 2012. IF 3.1
29. Ilia R, Weinstein JM, **Wolak A**, Cafri C. Coronary thrombus in ST elevation myocardial infarction and atrial fibrillation. *J Thromb Thrombolysis.* 2012. IF 2.1
30. Ilia R, **Wolak A**, Weinstein JM. Collateral myocardial blush in inferior wall myocardial infarction: a new diagnostic tool to differentiate between occluded right coronary and circumflex arteries. *J Invasive Cardiol.* 2012;24(3):130-1. IF 1.4
31. Ilia R, **Wolak A**, Amit G, Weinstein JM. Collateral blood flow can predict myocardial blush grade in primary coronary intervention. *Catheter Cardiovasc Interv.* 2012;80(1):67-70. IF 2.6
32. Weinstein JM, Cafri C, **Wolak A**, Ilia R. Medical treatment versus angioplasty for isolated ostial diagonal stenoses: a comparative clinical follow-up. *J Invasive Cardiol.* 2012;24(5):222-3. IF 1.4
33. Ilia R, Weinstein JM, **Wolak A**, Gilutz H, Cafri C. Length of left anterior descending coronary artery determines prognosis in acute anterior wall myocardial infarction. *Catheter Cardiovasc Interv.* 2012. IF 2.6

34. Wolak, T., L. Wilk, et al. . Is it possible to shorten ambulatory blood pressure monitoring? *The Journal of Clinical Hypertension* 15(8): 570-574. 2013. IF 3.2
35. **Wolak, A.**, E. Rafaeli, et al. Attenuated predictive power of a normal myocardial perfusion scan in young smokers. *European journal of internal medicine*. 2014. IF 2.9
36. Wolak, T., R. Toledano, et al. Doxazosin to treat hypertension: it's time to take it personally -a retrospective analysis of 19 495 patients. *Journal of hypertension* 32(5): 1132-1137. 2014. IF 4.1
37. Sahar G, **Wolak A**, Matsa M, Shelef I, Raichel L, Ishay Y, et al. Concomitant grafting of both postbifurcation internal thoracic artery branches. *Innovations (Phila)*. 2015;10(1):14-20.
38. Karp G, **Wolak A (Co-First)**, Baumfeld Y, Bar-Am N, Novack V, Wolak T, et al. Assessment of aortic stiffness among patients with systemic lupus erythematosus and rheumatoid arthritis by magnetic resonance imaging. *Int J Cardiovasc Imaging*. 2016. IF1.9
39. Tsaban G, **Wolak A (Co-First)** , Avni-Hassid H, Gepner Y, Shelef I, Henkin Y, et al. Dynamics of intrapericardial and extrapericardial fat tissues during long-term, dietary-induced, moderate weight loss. *Am J Clin Nutr*. 2017;106(4):984-95. IF 6.8
40. Mendelson N, Gontmacher B, Vodonos A, Novack V, Abu-AjAj M, **Wolak A**, et al. Benzodiazepine Consumption Is Associated With Lower Blood Pressure in Ambulatory Blood Pressure Monitoring (ABPM): Retrospective Analysis of 4938 ABPMs. *Am J Hypertens*. 2017. IF 3.5
41. Gepner Y, Shelef I, Schwarzfuchs D, Zelicha H, Tene L, Yaskolka Meir A, **Wolak A**, et al. Effect of Distinct Lifestyle Interventions on Mobilization of

Fat Storage Pools: The CENTRAL MRI Randomized Controlled Trial.
Circulation. 2017. IF 19.3

42. Frenkel Y, Shalev L, Shoham-Vardi I, Sergienko R, **Wolak A**, Sheiner E, et al. Early Postpartum Hemoglobin Less Than 10 g/dL Is Associated with Future Maternal Atherosclerotic Morbidity. *J Womens Health (Larchmt)*. 2018.
43. Yuval Bar-Asher S, Shefer A, Shoham-Vardi I, Sergienko R, **Wolak A**, Sheiner E, et al. Routine blood tests during pregnancy for predicting future increases in risk of cardiovascular morbidity. *Int J Gynaecol Obstet*. 2018.

Case reports

1. Gilad J, **Wolak A**, Borer A, Benharroch D, Avidor B, Giladi M, et al. Isolated splenic cat scratch disease in an immunocompetent adult woman. *Clin Infect Dis* 2003;36(1):e10-3. IF 8.3
2. Piura B, **Wolak A**, Rabinovich A, Yanai-Inbar I. Giant cell arteritis of the female genital tract. *Clin Exp Obstet Gynecol* 2004;31(1):31-3.
3. Kiselnik D, **Wolak A**, Abu-Shakra M, Basok A. Acute Myocarditis and Myopathy as Presenting Manifestations of Human Immunodeficiency Virus Infection. *Isr Med Assoc J*. 2015;17(8):524-5. IF 1
4. Moriel M, Bogot NR, **Wolak A**, Hadas I, Weisz G. Extremely high Agatston calcium score without significant coronary artery stenoses. *Eur Heart J Cardiovasc Imaging*. 2015;16(3):346. IF 5.9

Editorials and invited reviews and other reviews

1. **Wolak A**, Berman DS. The gestalt of cardiac imaging. *J Cardiovasc Comput Tomogr* 2008;2(3):149-51.

Letters

1. **Wolak A**, Zahger D. Management and prevention of thrombotic stent occlusion. Eur Heart J 2005;26(21):2345. IF 8.9
2. **Wolak A**, Cafri C, Zahger D. N-acetylcysteine and contrast-induced nephropathy. N Engl J Med 2006;355(14):1498. IF 50.0
3. Zahger D, **Wolak A**. Grade of ischemia to assess no reflow after reperfusion. J Am Coll Cardiol. Jan 19 2010;55(3):264-265; author reply 265.

Books and chapters in books

1. Noninvasive testing for myocardial ischemia. Hurst's The Manual Textbook. **Arik Wolak**, Daniel S. Berman, Jeroen J. Bax, Thomas H. Marwick, Leslee J. Shaw
2. CT in the Context of Transcatheter Aortic Valve Replacement, CT of the Heart, 2nd edition. Orly Goitein, **Arik Wolak**

Unrefereed professional articles and publications

1. Review (with DS Berman) on Coronary calcium as a predictor of coronary events in four racial or ethnic groups. Faculty of 1000 medicine.
2. Review (with DS Berman) on Prognostic value of multislice computed tomography coronary angiography in patients with known or suspected coronary artery disease. Faculty of 1000 medicine.
3. Review (with DS Berman) on Prognostic value of multislice computed tomography and gated single-photon emission computed tomography in patients with suspected coronary artery disease. Faculty of 1000 medicine.
4. Review on Cardiac MRI, Cardiology Update 2009.
5. 2010 Appropriateness Criteria for Cardiac Computed Tomography - a report of the Israeli Heart Society and the Israel Radiological Association
6. 2015 Appropriateness Criteria for Cardiac Magnetic Resonance Imaging -

a report of the Israeli Heart Society and the Israel Radiological Association

14. Lecture and Presentations at National and International Meetings

1. **Wolak A**, Almog Y, Hadad N, Schlaeffer F, Levy R. Cytosolic Phospholipase A2 (cPLA2) Expression in Bronchoalveolar Lavage Fluid (BALF) as a Marker for Local Inflammatory Response in Mechanically Ventilated Patients(MVP). In: ICAAC; 2002 28 Sep 2002; San Diego, CA, USA; 2002.
2. **Wolak A**, Cafri C, Gilutz H, Ilia R, Zahger D. Time to reperfusion - What has the introduction of primary angioplasty done in real life ? In: The 50 th annual conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery; 2003 30 Apr 2003; Tel -Aviv, Israel; 2003.
3. Liel N, **Wolak A**, Henkin Y, Gueron M. Dynamic left ventricular obstruction without hypertrophy: undescribed phenomena. In: The 50 th annual conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery; 2003 1 May 2003; Tel Aviv, Israel; 2003.
4. **Wolak A**, Abu Ful A, Weinstein J, Yaroslavtsev S, Gilutz H, Fuchs S, et al. Characteristics and outcome of octogenarians with acute myocardial infarction treated with primary PTCA. In: The 50 th annual conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery; 2003 1 May 2003; Tel-Aviv, Israel; 2003.
5. Amit G, **Wolak A**, Gilutz H, Cafri C, Ilia R, Zahger D. What have the introduction of troponin and the new AMI definitions done to the coronary care unit ? Impacts on admission rate, case mix and length of stay. In: The 51 th annual conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery; 2004 28 Apr 2004; Tel-Aviv, Israel; 2004.
6. **Wolak A**, Amit G, Cafri C, Gilutz H, Ilia R, Zahger D. Clopidogrel is associated with increased rates of 1 - year stent thrombosis and mortality as compared with Ticlopidine following coronary stent implantation. In: The

- 51 th annual conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery; 2004 29 Apr 2004; Tel-Aviv, Israel; 2004.
7. Cafri C, Levy Y, Weinstein J, Yaroslavtsev S, Rosenstein G, **Wolak A**, et al. Five years survival in octogenarians with coronary artery disease. Improved outcome with coronary artery bypass graft surgery. In: The 51 th annual conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery; 2004 29 Apr 2004; Tel-Aviv, Israel; 2004.
 8. Cafri C, Weinstein J, Abu Ful A, Yaroslavtsev S, G. R, Zahger D, et al. Multivessel or single culprit vessel primary PCI in cardiogenic shock complicating anterior wall myocardial infarction? No reward for extra efforts. In: The 51 th annual conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery; 2004 29 Apr 2004; Tel-Aviv, Israel; 2004.
 9. Kobal S, Ayzenberg Y, **Wolak A**, Amit G, Cafri C, Ilia R, et al. A Portable ultrasound for rapid evaluation of systolic ventricular function in critically ill patients. In: The 51 th annual conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery; 2004 29 Apr 2004; Tel-Aviv, Israel; 2004.
 10. **Wolak A**, Wolak T, Furman T, Biton A, Pilpel D, Paran E. Characteristics of hypertension and cardiovascular complications in different ethnic groups in the Negev area. In: The 51 th annual conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery; 2004 29 Apr 2004; Tel-Aviv, Israel; 2004.
 11. **Wolak A**, Amit G, Cafri C, Gilutz H, Ilia R, Zahger D. Clopidogrel is associated with increased rates of 1 - year stent thrombosis and mortality as compared with Ticlopidine following coronary stent implantation. In: American Heart Association, Scientific Sessions 2004; 2004 Accepted; New Orleans, LA, USA; 2004.
 12. **Wolak A**, Amit G, Cafri C, Gilutz H, Ilia R, Zahger D. Clopidogrel is associated with increased rates of 1 - year stent thrombosis and mortality as

compared with Ticlopidine following coronary stent implantation. In: ESC CONGRESS; 2004; Munich, Germany; 2004.

13. Liel N, **Wolak A**, Henkin Y, Gueron M. Dynamic left ventricular obstruction without hypertrophy: undescribed phenomena. In: EUROECHO 8; 2004 Dec 2004; Athens, Greece; 2004.
14. **Wolak A**, Amit G, Birnbaum Y, Cafri C, Atar S, Ilia R, et al. Grade 3 Ischemia on the Admission Electrocardiogram Predicts Failure of ST Resolution Following Primary Angioplasty for Acute Myocardial Infarction. In: The 52 th annual conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery; 2005 13 Apr 2005; Tel-Aviv, Israel; 2005.
15. **Wolak A**, Yaroslavtsev S, Amit G, Birnbaum Y, Cafri C, Atar S, et al. Grade 3 Ischemia on the Admission Electrocardiogram Predicts Failure of ST Resolution and of Adequate Flow Restoration Following Primary Angioplasty for Acute Myocardial Infarction. In: AHA; 2006 26 Apr 2004; 2006.
16. **Wolak A**, Jacobovich L, Amit G, Grosbard A, Katz A. Physician Misdiagnosis of Atrial Fibrillation / Flutter. In: The 53th annual conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery; 2006 27 Apr 2006; Tel-Aviv, Israel; 2006.
17. **Wolak A**, Kapa O, Gilutz H, Henkin Y. Comparison of the Framingham and the European SCORE Prediction Tools for Identifying Patients at High Risk for CHD - Retrospective Analysis of Patients with MI. In: The 53th annual conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery; 2006 27 Apr 2006; Tel-Aviv, Israel; 2006.
18. **Wolak A**, Slomka PJ, Fish MB, Gerlach J, Lorenzo S, Berman DS, et al. Attenuation-correction Does Not Improve Quantitative Diagnostic Performance of Myocardial Perfusion SPECT in Women. *Circulation* 2007;116(16_MeetingAbstracts):II_344-.
19. **Wolak A**, Slomka PJ, Fish MB, Gerlach J, Lorenzo S, Berman DS, et al. Automated Analysis of Attenuation-Corrected SPECT: Comparison of Two State-of-the-Art Software Packages. In: *Journal of nuclear cardiology*

- : official publication of the American Society of Nuclear Cardiology; 2007
2007/07/01: Mosby-Year Book, Inc.,; 2007. p. S110.
20. Suzuki Y, Slomka P, **Wolak A**, Oba M, Suzuki S, Yang L, et al. "Motion-frozen" Myocardial Perfusion SPECT Improves Detection of CAD in Obese Patients. *Journal of nuclear cardiology : official publication of the American Society of Nuclear Cardiology* 2007;14(4):S124.
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Standard Multi breath-hold cine SSFP CMR technique for the assessment of LV Volumes and Function. The 63th Annual conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery; 2015; Tel Aviv, Israel.

57. Yardeni a; Etzion O; Toledano R; Novack N; Shalev A; **Wolak A**; Rotman Y. The association of ALT levels with myocardial perfusion imaging and cardiovascular morbidity
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59. Shalev A, Michnovsky N, **Wolak A**, Toledano R, Novack V, Henkin Y. The influence of a normal myocardial perfusion SPECT on prescription of preventive cardiovascular medications and patients. ESC Meeting, 2016, Rome
60. Mann D, Hasin, T ,Bogot N, Godfrey, Shalev A , Carasso S, Welt M, Glikson , Wolak A, Left ventricular circumferential rotation is associated with functional mitral regurgitation

15. Invited Lectures

1. Wolak A. The role of stress imaging post coronary intervention. In: 6th International Meeting Intensive Cardiac Care; Oct. 27 2009.
2. Wolak A. The role of CMR in the diagnosis of Myocarditis. In: Update in Cardiac Imaging; 2010; Sheba Medical Center, Ramat Gan, Israel: ISRA; 2010.
3. Wolak A. CTA is Not an Appropriate Tool for Screening Asymptomatic Low - Intermediate Risk Patients. In: Winter meeting of the Israeli Heart Society; 2010; Eilat, Israel: HIS.

4. Wolak A. Update on Cardiac Imaging. In: Seminar on behalf of the Israel Heart Society - Innovations in cardiology; 2010; Ramat Gan, Israel: IHS; 2010.
5. Wolak A. Newer CMR Technology: Impact on Clinical Applications and Imaging. In: ACC.11 60th Annual Scientific Session and Expo; 2011; New Orleans, USA; 2011.
6. Wolak A. Update on Cardiac Imaging. In: Seminar on behalf of the Israel Heart Society - Innovations in cardiology; 2011; Ramat Gan, Israel: IHS; 2011.
7. Wolak A. Faculty Case discussions, In: scientific meeting European Society of Cardiovascular Radiology (ESCR) 2011, Amsterdam, the Netherlands.
8. Wolak A. New Trends in Cardiac Imaging, In: European Association of Nuclear Medicine (EANM) 2012, Milan, Italy
9. Wolak A. Myocarditis- The Basics. In: 2nd Cardiac Imaging Marathon, Sheba Medical Center, Israel, June 2013
10. Wolak A. Faculty Case discussions, In: 2nd Cardiac Imaging Marathon, Sheba Medical Center, Israel, June 2013
11. Wolak A. The incidental finding of post-myocarditis fibrosis on MR: how to proceed? EHRA Milan, 2016
12. Cardiac imaging – Lecture Series, Hefei, Anhui, China, April 2017
13. Cardiac Imaging for Myocarditis, The Polish Cardiac Society, Kielce May 2017
14. Cardiac Imaging for Amyloidosis, The Polish Cardiac Society, Kielce May 2017
15. Cardiac imaging for engineers, Philipps Medical, Haifa 2017
16. Normal and Abnormal in CMR in Athletes, IDSS sports and arrhythmia, Tel-Aviv, October 2017
17. Cardiac MRI for Athletes - Through Thick and Thin, IDSS sports and arrhythmia, Tel-Aviv, October 2017
18. It's a No-Brainer – Just Follow Your Heart, The annual Neurological meeting, Glilion Hotel, November 2017

19. Diagnosis of coronary artery disease: stress imaging or CT angiography, Munich Germany, ESC, August 2018
20. Advanced Cardiac Imaging in the Assessment and Management of Atrial Fibrillation. IDSS, Tel-Aviv, October 2018
21. Imaging Studies as Part of Pre-participation Screening of High Level Professional Athletes: MRI. . IDSS, Tel-Aviv, October 2018

16. Competitive and Non-competitive Research Grants

2001-2002 Grant from the Faculty of Health Sciences, hospholipase A₂ expression in BronchoAlveolar Lavage Fluid of Intubated and Mechanically Ventilated Intensive Care Unit Patients. Total amount – 2000\$. With Prof. Rachel levy, Prof. Yaniv Almog, and Dr. Nurit Hadad

17. Present Academic Activities

1. Biomechanics of ventricular circumferential rotation in secondary mitral regurgitation mechanism. With Aryeh Shalev SUMC
2. Dynamics of intrapericardial and extrapericardial fat tissues during long-term - the effect of physical activity. With Gal Tsaban SUMC
3. Normal Reference Values for Chamber Size and Function in Male Endurance Athletes: A Metaanalysis of Cardiac Magnetic Resonance Studies. With Aryeh Shalev SUMC
4. Intrahepatic and abdominal fat storages as distinct surrogates of cardiometabolic risk. With Gal Tsaban SUMC
5. Cryoablation and PV fibrosis
6. ST elevation ECG patterns and association to CMR findings
7. Accuracy of Echocardiographic Visual Assessment of Aortic Valve Calcification – Comparison with Quantitative Calcium Score Analysis