

CURRICULUM VITAE

Name: Joseph Shemesh, MD

Identity No: 7011266

Place of Work: Cardiac Rehabilitation Institute
Chaim Sheba Medical Center
Tel Hashomer 52621, Israel

Faculty/Hospital Chaim Sheba Medical Center
Department: Cardiac Rehabilitation Institute

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Home Address: 3 Hatavor Street, Gyvat Savion, Israel

Phone No: 03-5351934

Date and Place of Birth: 17.8.1949, - Iraq

Date of Arrival in Israel: 1951

ZAHAL (Israeli Military Service): 1967 - 1970

Marital status: Married + 3 Children

A. EDUCATION

<u>Period of study (dates)</u>	<u>Name of School or University (including city and country, if not Israel)</u>	<u>Degrees or Professional</u>
1963 - 1967	Municipal Evening High School, Tel - Aviv	Bagrut
1971-1973	University of Paris VII	Premier cycle des etudes Medicales
1973 - 1977	Sackler School of Medicine Tel Aviv University, Israel (Magna cum lauda)	M.D.
1976	ECFMG certified	

Date of Receiving specialization certificates: march 1987.

Doctoral Thesis: "Spermach - The age of onset of sperm emission"

Name of Supervisor: Prof. B. Lunenfeld.

B. FURTHER STUDIES

Research methods and statistics, Post - Graduates Medical School, Tel-Aviv University 1998-9.

GCP certificate - 7/2007

C. ACADEMIC EXPERIENCE

Clinical professor of Cardiology – Tel Aviv University - 2006

D. CLINICAL EXPERIENCE

<u>Period (dates)</u> <u>Function</u>	<u>Name of Institution</u> <u>(city, country)</u>	<u>Rank/</u> <u>Department</u>
1977 - 1978 Internship	Sheba Medical Center, Tel Hashomer	Rotating
1978 - 1981 Resident	Sheba Medical Center, Tel Hashomer	Medicine 39A
1981 - 1986 Resident	Sheba Medical Center, Tel Hashomer	Heart Institute
1986 -2010 Senior Cardiologist	Sheba Medical Center, Tel Hashomer	Cardiac Rehabilitation Institute
2002-Date	Sheba Medical Center	

-Head of the service of early diagnosis of CAD

-Head of the Grace Balas Cardiac Research Unit

E. ACADEMIC AND PROFESSIONAL AWARDS

- 1978 A scholarship from the El-Zohar Foundation for the thesis: "Spermach - The age of onset of sperm emission".
- 2011 Prof Richard, Hilda and Ezra Meltzer Memorial Award for the contribution to the development of non invasive detection of subclinical coronary atherosclerosis

F. MEMBERSHIP IN PROFESSIONAL SOCIETIES

- 1986 Member, Israel Heart Society.
- 2002 Member, European Heart Society

G. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS

- | <u>Year</u> | <u>Name of meeting (city, country)</u> |
|-------------|--|
| 1. 1990 | XIIth Congress of the European Society of Cardiology, Stockholm, Sweden. |
| 2. 1994 | The Annual Meeting of the Israel Heart Society, Tel Aviv, Israel. |
| 3. 1994 | Joint XIIth World Congress of Cardiology and XVth Congress of the European Society of Cardiology, Berlin, Germany, |
| 4. 1994 | 80th Scientific Assembly and Annual Meeting, Radiological Society of North America, Chicago, USA. |
| 5. 1995 | The Annual Meeting of the Israel Heart Society, Tel -Aviv, Israel, April 1995. |
| 6. 1995 | The XVIIth Congress of the European Society of Cardiology, Amsterdam, the Netherlands. |
| 7. 1995 | American Heart Association 68th Scientific Sessions, Anaheim, California, USA |
| 8. 1995 | The 5th International conference on non invasive cardiology, Tel-Aviv, Israel. |
| 9. 1996 | The Annual Meeting of the Israel Heart Society, Tel -Aviv, Israel. |

10. 1996 XVIIIth congress of the European Society of cardiology, Birmingham, UK.
11. 1996 The 69th Scientific Session of the American Heart Association, New Orleans, Louisiana.
12. 1996 4th World Congress on Heart Failure - Mecanism and Management. Jerusalem, Israel.
13. 1997 The Annual Meeting of the Israel Heart Society, Jerusalem, Israel.
14. 1997 IXXth congress of the European Society of cardiology, Stockholm, Sweden.
15. 1997 First International Congress on Coronary Artery Disease. Prague, Czech Republic. Sep 1997.
16. 1998 The Annual Meeting of the Israel Heart Society, Jerusalem, Israel. April 1998.
17. 1998 The 71th Scientific Session of the American College of Cardiology Atlanta, USA .March 1998.
18. 1998 The XIIIth world congress of Cardiology. Brasil. April, 1998.
19. 1998 XXth congress of the European Society of cardiology, Vienna, Austria, 1998.
20. 1998 The 71th Scientific Session of the American Heart Association, Dallas, Texas USA 1998.
21. 1998 The 6th International Conference on Non-Invasive Cardiology Jerusalem Israel 1998.
22. 1999 The Annual Meeting of the Israel Heart Society, Tel Aviv, Israel. April 1999.

23. 1999 XXlth congress of the European Society of cardiology,
Barcelona, Spain 1999
24. 1999 The 72th Scientific Session of the American Heart Association,
Atlanta, USA 1999
25. 1999 85th Scientific assembly and Annual Meeting,
Radiological Society of North America
Chicago, USA 1999
26. 2000 The Annual Meeting of the Israel Heart Society,
Tel Aviv, Israel. April 2000.
27. 2000 2nd Annual International Symposium on
Multidetector-Row CT
San Francisco, California, USA June 2000.
28. 2000 XXlIth congress of the European Society of
Cardiology
Amsterdam, the Netherlands, August 2000.
29. 2000 86th Scientific assembly and Annual Meeting,
Radiological Society of North America
Chicago, USA 2000
30. 2001 The Annual Meeting of the Israel Heart Society,
Jerusalem, Israel. April 2001.
31. 2001 3rd Annual International Symposium on Multidetector-
Row CT
San Francisco, California, USA June 2001.
32. 2001 3rd International Conference on Cardiac Spiral CT
Charleston, South Carolina June 2001.
33. 2001 XXlII congress of the European Society of Cardiology
Stockholm, Sweden Sep. 2001.
34. 2001 87th Scientific assembly and Annual Meeting,
Radiological Society of North America
Chicago, USA Nov. 2001
35. 2002 2nd International Symposium on Multidetector CT
Starenberg, Germany April 2002
36. 2002 4th Annual International Symposium on Multidetector-
Row CT
San Francisco, California, USA June 2002

37. 2002 XXIV congress of the European Society of Cardiology
Berlin, Germany Sep. 2002.
38. 2003 4th International Conference on Cardiac Spiral CT
Cambridge, Boston, July 2003.
39. 2003 Annual congress of the American College of Cardiology
40. 2003 89th Scientific assembly and Annual Meeting,
Radiological Society of North America
Chicago, USA, Nov. 2003
41. 2003 The Annual Meeting of the Israel Heart Society,
Tel –Aviv , Israel.2003.
42. 2004 The Annual Meeting of the Israel Heart Society,
Tel –Aviv , Israel.2004.
43. 2004 XXVI congress of the European Society of Cardiology
44. 2004 90th Scientific assembly and Annual Meeting, Radiological
Society of North America
Chicago, USA, Nov. 2004
45. 2005 The Annual Meeting of the Israel Heart Society,
Tel-Aviv, Israel. April 2005.
46. 2006 The Annual Meeting of the Israel Heart Society,
Tel –Aviv , Israel.2006.
47. 2007 The Annual Meeting of the Israel Heart Society,
Tel –Aviv , Israel.2007.
48. 2008 The Annual Meeting of the Israel Heart Society,
Tel –Aviv , Israel.2008.
49. 2009 The Annual Meeting of the Israel Heart Society,
Tel –Aviv , Israel.2009.
50. 2009 XXXI congress of the European Society of Cardiology
Barcelona, Spain, 2009
51. 2009 95th Scientific assembly and Annual Meeting,
Radiological Society of North America
Chicago, USA, Nov. 2009
52. 2010 The Annual Meeting of the Israel Heart Society,
Tel –Aviv , Israel.2010.

53. 2010 XXXII congress of the European Society of Cardiology
Shtokolm, sweeden, 2010

LIST OF PUBLICATIONS

B.1. ORIGINAL ARTICLES

1. Hirsh H, **Shemesh J**, Modan M, Lunenfeld B:
Emission of spermatozoa, age of onset.
Int J Androl 2:289-298, 1979.
2. Sack J, Bar-On Z, **Shemesh J**, Backer R:
Serum T3 T4 and TBG concentration during puberty in males.
European J Pediatr 138:136-137, 1982.
3. Weissenberg R, Hirsh M, **Shemesh J**, Modan M, Lunenfeld B:
Evaluation of morphology of sperm in urine of adolescent boys.
Int J Androl 7:348-351, 1984.
4. Hirsh M, Lunenfeld B, Modan M, Ovadia J, **Shemesh J**:
Spermach - The age of onset of sperm emission.
J Adolescent Health Care 6:35-39, 1985.
5. Kellermann JJ, **Shemesh J**, Ben-Ari E:
Contraindications to physical training in patients with impaired ventricular
function.
European Heart J (Suppl F) 9:71-76, 1988.
6. Hertzeanu H, **Shemesh J**, Loidl A, Kellermann JJ.
Bopindolol and Atenolol in patients with stable angina pectoris .
Double-blind randomized trial.
Cardiology 76:312-318, 1990.
7. Kellermann JJ, **Shemesh J**, Fisman EZ, Steinmetz A, Ben-Ari E, Drory Y,
Lapidot C:
Arm exercise training in the rehabilitation of patients with impaired left
ventricular function and heart failure.
Cardiology 77:130-138, 1990.
8. Pines A, Fisman EZ, Drory Y, Levo Y, **Shemesh J**, Ben-Ari E,
Ayalon D:
Menopause - induced changes in Doppler-derived parameters of aortic flow
in healthy women.
Am J Cardiol 69:1104-1106, 1992.

9. Pines A, Fisman EZ, **Shemesh J**, Levo Y, Ayalon D, Kellermann JJ, Motro M, Drory Y:
Menopause - related changes in left ventricular function in healthy women.
Cardiology 80:413-416, 1992.
10. Grossman E, **Shemesh J**, Shamiss A, Thaler M, Carroll J, Rosenthal T:
Left ventricular mass in diabetes-hypertension.
Arch Intern Med 152:1001-1004, 1992.
11. Hertzeanu H, **Shemesh J**, Aron L, Peled E, Rosenthal T, Motro M, Kellermann JJ:
Ventricular arrhythmias in rehabilitated and non-rehabilitated post myocardial infarction patients with left ventricular dysfunction.
Am J Cardiol 71:24-27, 1993.
12. Adler Y, Zandaman-goddard G, Ravid M, Avidan B; Zemer D, Ehrenfeld M, **Shemesh J**, Tomer Y, Shoenfeld Y:
Usefulness of Colchicine in preventing recurrences of pericarditis.
Am J Cardiol 73:916-917, 1994.
13. Grossman E, Alster Y, **Shemesh J**, Nussinovitch N, Rosenthal T.
Left ventricular mass in hypertension: correlation with casual, exercise and ambulatory blood pressure.
J Human Hypertension 8: 741-746, 1994.
14. **Shemesh J**, Grossman E, Peleg E, Steinmetz A, Rosenthal T, Motro M:
Norepinephrine and atrial natriuretic peptide response to exercise testing in rehabilitated and nonrehabilitated men with ischemic cardiomyopathy after healing of anterior wall acute myocardial infarction.
Am J Cardiol 75:1072-1074, 1995.
15. **Shemesh J**, Apter S, Rozenman J, Lusky A, Rath S, Itzchak Y, Motro M:
Calcification of coronary arteries: Detection and quantification with double-helix CT.
Radiology 197:779-783, 1995.
16. **Shemesh J**, Tenenbaum A, Fisman EZ, Har-Zahav Y, Rath S, Apter S, Itzchak Y, Motro M:
Coronary calcium as a reliable tool for differentiating ischemic from nonischemic cardiomyopathy.
Am J Cardiol 77:191-194, 1996
17. **Shemesh J**, Tenenbaum A, Fisman EZ, Apter S, Rath S, Rozenman J, Itzchak Y, Motro M:

Absence of coronary calcification on double helical CT scans: Predictor of angiographic normal coronary arteries in elderly women?
Radiology 199:665-668, 1996.

18. Motro M, **Shemesh J**:
Effect of nifedipine on progression of coronary artery calcification : A three-years inquiry.
J Cardiovascular Pharmacology 28: S33-S35, 1996.
19. Blinder D, **Shemesh J**, Taicher S:
Electrocardiographic changes in cardiac patients undergoing dental extractions under local anesthesia.
J Oral Maxillofac Surg 54: 162-165, 1996.
20. Broderick LS, **Shemesh J**, Wilensky RL, Eckert GJ, Zhou A, Torres WE, Balk M, Rogers WJ, Conces DJ, Jr, Kopecky KK:
Measurement of coronary artery calcium with double helical CT compared to coronary angiography: evaluation of CT scoring methods, interobserver variation, and reproducibility.
AJR Am J Rentgenol 167:439-444,1996.
21. **Shemesh J**, Frenkel Y, Leibovitch L, Grossman E, Pines A, Motro M:
Does hormone replacement therapy inhibit coronary artery calcification?
Obstetric & Gynecology 89:989-992, 1997.
22. **Shemesh J**, Tenenbaum A, Kopekey K, Apter S, Rozenman J, Itzchak Y, Motro M:
Coronary calcium measurments by double helical computed tomography: Using the average instead of peak density algorithm improved reproducibility.
Investigative Radiology 32:503-506,1997.
23. Motro M, **Shemesh J**:
Prevalence of coronary calcification in relation to age, geder and risk factor profile in the INSIGHT population.
British J of Clinical Practice 88:1-5, 1997.
24. Tenenbaum A, Fisman EZ, Schneiderman J, Stroh CI, **Shemesh J**, Schwammental E, Vered Z, Motro M:
Disrupted mobile aortic plaques are a major risk factor for systemic embolism in the elderly.
Cardiology 89:246-251,1998.
25. **Shemesh J**, Fisman EZ, Tenenbaum A, Apter S, Leibovitch L, Rath S, Itzchak Y, Motro M.
Coronary artery calcification in women with syndrome X: Usefulness of double helical CT for detection.

Radiology 205:697-700, 1997.

26. **Shemesh J**, Stroh CI, Tenenbaum A, Hod H, Boiko V, Fisman EZ, Motro M:

Comparison of coronary calcium in stable angina pectoris and in first acute myocardial infarction utilizing double helical computerized tomography.

Am J Cardiol 81:271-275,1998.

27. Tenenbaum A, Garniek A, **Shemesh J**, Fisman EZ, Stroh CI, Itzchak Y, Vered Z, Motro M:

Dual - helical CT for detecting aortic atheroma as a source of stroke: Comparison with transesophageal echocardiography.

Radiology 208:153-158,1998.

28. Portugese S, Amital H, Tenenbaum A, Bar-Dayana Y, Levy Y, Afek A, **Shemesh J**, Shoenfeld Y.

Clinical characteristics of ruptured chorda tendineae in hospitalized patients: Primary tear versus infective endocarditis.

Clin. Cardiol. 21:813-816, 1998.

29. Blinder D, Manor, **Shemesh J**, Taicher S.

Electrocardiographic changes in cardiac patients having patients having dental extractions under a local anesthetic containing a vasopressor.

J Oral Maxillofac Surg 56:1399-1402, 1998.

30. **Shemesh J**, Tenenbaum A, Stroh CI, Apter S, Har-Zahav Y, Fisman EZ, Itzchak Y, Motro M.

Double helical CT: a new tool for tracking of allograft atherosclerosis in heart transplant recipients.

Investigative Radiology 34:485-488.,1999

31. Tenenbaum A, Fisman EZ, Boyko V, Goldbourt U, Auerbach I, **Shemesh J**, Shotan A, Reicher-Reiss H, Behar S, Motro M.

Prevalence and prognostic significance of unrecognized systemic hypertension in patients with diabetes mellitus and healed myocardial infarction and /or stable angina pectoris.

Am J Cardiol 84: 294-298, 1999.

32. Tenenbaum A, Fisman EZ, Boyko V, Goldbourt U, Graff E, **Shemesh J**, Shotan A, Reicher-Reiss H, Behar S, Motro M. Hypertension in diet versus pharmacologically treated diabetics: mortality over 5-year follow-up

Hypertension 33:1002-1007, 1999.

33. Tenenbaum A, Garniek A, **Shemesh J**, Stroh CI, Itzchak Y, Vered Z, Motro M, Fisman EZ.

Spiral computerized tomography (Dual Helical mode) as a detector of aortic atheromas in patients with stroke and systemic emboli: additional benefit of the contrast-enhanced technique.

IMAJ 2-5, 2000.

34. Tenenbaum A, **Shemesh J**, Fisman EZ, Motro M.
Advanced mitral annular calcification is associated with severe coronary calcification on fast dual spiral computed tomography.
Investigative Radiology 35:193-198, 2000.

35 Tenenbaum A, Grossman E, **Shemesh J**, Fisman EZ, Nosrati I, Motro M.
Intermediate but not low doses of aspirin can suppress angiotensin-converting enzyme inhibitors induced cough.
Am J Hypertension 13(7):776-782, 2000.

36 Tenenbaum A, Fisman EZ, Pines A, **Shemesh J**, Shapira I, Adler Y, Frenkel Y, Boyko V, Motro M.
Gender paradox in cardiac calcium deposits in middle-aged and elderly patients: mitral annular and coronary calcification interrelationship.
Maturitas 36;35-42, 2000.

37 **Shemesh J**, Apter S, Stroh CI, Itzhak Y, Motro M.
Tracking coronary calcium by using dual-section spiral CT: A 3 - year follow-up.
Radiology 217:461-465, 2000.

38. Sherer Y, **Shemesh J**, Tenenbaum A, Praprotnik S, Harats D, Fisman EZ, Blank M, Motro M, Shoenfeld Y.
Coronary calcium and anti-cardiolipin antibody are elevated in patients with typical chest pain.
Am J Cardiol 86;1306-1311, 2000.

39. **Shemesh J**, Weg N, Tenenbaum A, Apter S, Fisman EZ, Stroh CI, Itzhak Y, Motro M.
Usefulness of spiral computed tomography (Dual-slice mode) for the detection of coronary artery calcium in patients with chronic atypical chest pain, in typical angina pectoris, and in asymptomatic subjects with prominent atherosclerotic risk factors.
Am J Cardiol;87:226-228, 2001.

40. **Shemesh J**, Apter S, Stolero D, Itzhak Y, Motro M.
Annual progression of coronary artery calcium by spiral computed tomography in hypertensive patients without myocardial ischemia but with prominent atherosclerotic risk factors, in patients with previous angina pectoris or acute myocardial infarction which healed, and in patients with coronary events during follow-up.
Am J Cardiol ;2001;87:1395-1397.

41. Motro M, **Shemesh J**.
Calcium channel blocker nifedipine slows down progression of coronary calcification in hypertensive patients compared with diuretics.
Hypertension;2001;37:1410-1413.
42. Sherer Y, Tenenbaum A, Blank M, **Shemesh J**, Harats D, Fisman EZ, Praprotnik S, Motro M, Shoenfeld Y.
Autoantibodies to oxidized low-density lipoprotein in coronary artery disease.
Am J Hypertens 2001; 14: 149-154
43. Sherer Y, Tenenbaum A, Praprotnik S, **Shemesh J**, Blank M, Fisman EZ, Harats D, George J, Levy Y, Peter JB, Motro M, Shoenfeld Y.
Coronary artery disease but not coronary calcification is associated with elevated levels of cardiolipin, beta-2-glycoprotein-I, and oxidized LDL antibodies.
Cardiology 2001;95:20-24.
44. Adler Y, Motro M, Tenenbaum A, Tanne D, Fisman EZ, Wisner I, Hovav B, Stolero D, **Shemesh J**.
Aortic valve calcium on spiral computed tomography is associated with calcification of the thoracic aorta in hypertensive patients.
Am J Cardiol 2002;89: 632-635.
45. Tenenbaum A, Fisman EZ, **Shemesh J**, Adler Y, Shenkman T, Swissa-Cohen L, Boyko V, Motro M.
Combined coronary and mitral annulus calcium detection in the non-invasive diagnosis of coronary artery disease in patients with systemic hypertension.
Coronary Artery Disease. 2002;13:113-117.
46. Adler Y, Motro M, **Shemesh J**, Fisman EZ, Tanne D, Hovav B, Batavraham IR, Tenenbaum A. Association of mitral annular calcium on spiral computed tomography (dual-slice mode) with thoracic aorta calcium in patients with systemic hypertension.
Am J Cardiol. 2002;15:1420-1422.
47. Adler Y, **Shemesh J**, Tenenbaum A, Fisman EZ, Batavraham MS, Motro M.
Detection of coronary calcium by spiral computed tomography (dual slice mode) is associated with thoracic aorta calcification in hypertensive patients.
Chest (in press).
48. Finkelstein Y, **Shemesh J**, Mahlab K, Fisman EZ, Abramov D, Bar-El Y, Sagie A, Sharoni E, Sahar G, Wisner I, Smolinsky AK, Schechter T, Vidne BA, Adler Y.
Colchicine for the prevention of postpericardiotomy syndrome.
Herz 2002 Dec;27(8):791-4.

49. **Shemesh J**, Apter A, Itzchak I, Motro M.
Comparison between coronary calcification in patients with acute vs. chronic coronary events using dual-sector spiral computerized tomography.
Radiology 2003;226:483-488.
50. Burstein M, Grossman E, Motro M, **Shemesh J**
Accelerated Coronary Calcium in mild renal failure
J hypertension 2003;21:1-7
51. **Shemesh J.** Koren N, Apter S, Itzchak Y, Motro M
Accelerated progression of coronary calcification in patients with stable coronary artery disease: a 4-year follow-up
Radiology 2004 Oct;233(1):201-9. Epub 2004 Aug 27
52. **Shemesh J.** Koren N, Goldbourt U, Apter S, Itzchak Y, Motro M
Coronary calcium by spiral computed tomography predicts cardiovascular events in hypertensive patients – Sub study of INSIGHT
J Hypertension 2004 Mar;22(3):605-10
53. Adler Y, Fisman EZ, **Shemesh J**, Schwammenthal E, Tanne D, Batavraham IR, Motro M, Tenenbaum A.
Spiral computed tomography evidence of close correlation between coronary and thoracic aorta calcifications.
Atherosclerosis. 2004 Sep;176(1):133-8
54. **J Shemesh**, R Evron, N Koren, S Apter, Y Itzchak, M Motro
Good correlation between 55 and 165 mAs for coronary calcium detection by multi-slice computed tomography.
Radiology. 2005 Sep;236(3):810-4
55. Konen E, **Shemesh J.**
Coronary computed tomography: choosing the right patient for the right clinical entity.
Isr Med Assoc J. 2005 Jul;7(7):464-6.
56. Adler Y, Fisman EZ, **Shemesh J**, Tanne D, Hovav B, Motro M, Schwammenthal E, Tenenbaum A.
Usefulness of helical computed tomography in detection of mitral annular calcification as a marker of coronary artery disease.
Int J Cardiol. 2005 Jun 8;101(3):371-6.
57. Tenenbaum A, Motro M, Fisman EZ, Adler Y, **Shemesh J**, Tanne D, Leor J, Boyko V, Schwammenthal E, Behar S.
Effect of bezafibrate on incidence of type 2 diabetes mellitus in obese patients.
Eur Heart J. 2005 Oct;26(19):2032-8

58. **Shemesh J**, Henschke CI, Farooqi A, Yip R, Yankelevitz DF, Shaham D, Miettinen OS.
Frequency of coronary artery calcification on low-dose computed tomography screening for lung cancer.
Clin Imaging. 2006 May-Jun;30(3):181-5.
59. Apter S, **Shemesh J**, Raanani P, Portnoy O, Thaler M, Zissin R, Ezra D, Rozenman J, Pfeffer R, Hertz M.
Cardiovascular calcifications after radiation therapy for Hodgkin lymphoma: computed tomography detection and clinical correlation.
Coron Artery Dis. 2006 Mar;17(2):145-51.
60. Motro M, Kirwan BA, de Brouwer S, Poole-Wilson PA, **Shemesh J**;
J; ACTION CC side-arm study.
Tracking coronary calcification and atherosclerotic lesions in patients with stable angina pectoris undergoing nifedipine therapy.
Cardiology. 2007;107(3):165-71.
61. Eisen A, Tenenbaum A, Koren-Morag N, Tanne D, **Shemesh J**, Golan A, Fisman EZ, Motro M, Schwammenthal E, Adler Y.
Coronary and aortic calcifications inter-relationship in stable angina pectoris: A Coronary Disease Trial Investigating Outcome with Nifedipine GITS (ACTION)--Israeli spiral computed tomography substudy.
Isr Med Assoc J. 2007 Apr;9(4):277-80.
62. Konen E, Goitein O, Sternik L, Eshet Y, **Shemesh J**, Di Segni E.
The prevalence and anatomical patterns of intramuscular coronary arteries: a coronary computed tomography angiographic study.
J Am Coll Cardiol. 2007 Feb 6;49(5):587-93.
63. Tanne D, Tenenbaum A, **Shemesh J**, Schwammenthal Y, Fisman EZ, Schwammenthal E, Adler Y.
Calcification of the thoracic aorta by spiral computed tomography among hypertensive patients: associations and risk of ischemic cerebrovascular events.
Int J Cardiol. 2007 Aug 9;120(1):32-7.
64. Greenberg-Wolff I, Uliel L, Goitein O, **Shemesh J**, Rozenman J, Di Segni E, Konen E.
Extra-cardiac findings on coronary computed tomography scanning.
Isr Med Assoc J. 2008 Nov;10(11):806-8
65. Eisen A, Tenenbaum A, Koren-Morag N, Tanne D, **Shemesh J**, Imazio M, Fisman EZ, Motro M, Schwammenthal E, Adler Y.

Calcification of the thoracic aorta as detected by spiral computed tomography among stable angina pectoris patients: association with cardiovascular events and death.

Circulation. 2008 Sep 23;118(13):1328-34.

66. Adler Y, Fisman EZ, Koren-Morag N, Tanne D, **Shemesh J**, Lasry E, Tenenbaum A.

Left ventricular diastolic function in trained male weight lifters at rest and during isometric exercise.

Am J Cardiol. 2008 Jul 1;102(1):97-101.

67. Tenenbaum A, Boyko V, Fisman EZ, Goldenberg I, Adler Y, Feinberg MS, Motro M, Tanne D, **Shemesh J**, Schwammenthal E, Behar S.

Does the lipid-lowering peroxisome proliferator-activated receptors ligand bezafibrate prevent colon cancer in patients with coronary artery disease?

Cardiovasc Diabetol. 2008 Jun 19;7:18.

68. Tenenbaum A, **Shemesh J**, Koren-Morag N, Fisman EZ, Adler Y, Goldenberg I, Tanne D, Hay I, Schwammenthal E, Motro M. Long-term changes in serum cholesterol level does not influence the progression of coronary calcification.

Int J Cardiol. 2010 Mar 27

69. **Shemesh J**, Henschke CI, Shaham D, Yip R, Farooqi AO, Cham MD, McCauley DI, Chen M, Smith JP, Libby DM, Pasmantier MW, Yankelevitz DF.

Ordinal Scoring of Coronary Artery Calcifications on Low-Dose CT Scans of the Chest is Predictive of Death from Cardiovascular Disease. Radiology. 2010 Sep 9.

70. **Shemesh J**, Henschke CI, Shaham D, Yip R, Farooqi AO, Cham MD, McCauley DI, Chen M, Smith JP, Libby DM, Pasmantier MW, Yankelevitz DF.

Ordinal scoring of coronary artery calcifications on low-dose CT scans of the chest is predictive of death from cardiovascular disease.

Radiology. 2010 Nov;257(2):541-8.

71. **Shemesh J**, Motro M, Morag-Koren N, Tenenbaum A, Apter S, Weiss A, Grossman E.

Coronary artery calcification predicts long-term mortality in hypertensive adults.

Am J Hypertens. 2011 Jun;24(6):681-6.

72. Tenenbaum A, Fisman EZ, **Shemesh J**, Motro M.

The doubtful association between blood lipid changes and progression of coronary calcification.

Int J Cardiol. 2011 Dec 1;153(2):224-5.

73. Rubinshtein R, Wolak A, Goitein O, Kornowski R, Gaspar T, Aviram G, Roguin A, Blinder G, **Shemesh J**, Konen E. Appropriateness criteria for the use of cardiac computed tomography: position paper of the Israeli Heart Society and the Israeli Society of Radiology.

Harefuah. 2011 Oct;150(10):801-5, 813. Hebrew.

74. **Shemesh J**, Motro M, Morag-Koren N, Konen E, Grossman E. Relation of coronary artery calcium to cardiovascular risk in patients with combined diabetes mellitus and systemic hypertension.

Am J Cardiol. 2012 Mar 15;109(6):844-50

75. Tenenbaum A, Medvedofsky D, Fisman EZ, Buby L, Matetzky S, Tanne D, Klempfner R, **Shemesh J**, Goldenberg I.

Cardiovascular events in patients received combined fibrate/statin treatment versus statin monotherapy: Acute Coronary Syndrome Israeli Surveys data.

PLoS One. 2012;7(4):e35298.

B.2. CASE REPORTS

1. **Shemesh J**, Livneh A, Cabili S:

תרדמת כבדית באי ספיקת לב - תאור מקרה

Hepatic encephalopathy due to congestive heart failure.

Harefuah 15 102:66-67, 1982

2. Rath S, Eldar M, **Shemesh J**, Battler A, Har-Zahav Y, Vered Z, Neufeld HN:

Acute cardiac rupture and tamponade: Angiographic appearance.

Am J Cardiol 55:588-589, 1985.

3. Rath S, Har-Zahav Y, **Shemesh J**, Battler A, Vered Z, Hegesh J, Rabinowitch

B, neufeld HN: Aortic stenosis with linear calcification of ascending aorta.

Am Heart J 110:675-677, 1985.

4. Ohry A, Lipschitz M, **Shemesh J**, Lipschitz L, Tadmor R:

Disappearance of quadriplegia due to a huge cervicothoracic aneurysmal bone cyst.

Surg Neurol 29:307-310, 1988

5. Mouallem M, Friedman E, **Shemesh J**, Mayan H, Pauzner R, Farfel Z:

Cardiac conduction defects associated with hyponatremia.

Clin Cardiol 14:165-168, 1991.

6. Auerbach I, Tenenbaum A, Fisman EZ, **Shemesh J**, Feinmeser M, Herz Y, Trujillo A, Motro M:
Leiomyosarcoma of the right atrium masked by a covering thrombus:
Conflicting results of echocardiography and transvenous biopsy-in favor
of echocardiography.
Echocardiography 14(6):1-4, 1997.

B.3. REVIEW ARTICLES

1. Stern N, **Shemesh J**, Ramot B:
Chronic lymphatic leukemia - terminating in acute myeloid leukemia:
Review of the literature.
Cancer 147:1849-1851, 1981.
2. **Shemesh J**, Motro M:
Clinical application of fast CT scanning in cardiology.
Isr J Med Sci 33:214-221, 1997.
3. Motro M, **Shemesh J**, Grossman E. Coronary benefits of calcium
antagonist therapy for patients with hypertension.
Current Opinion in Cardiology. July 20001.
4. **Shemesh J**, Motro M.
Progression of coronary artery disease: Comparison of imaging
modalities.
Medical Imaging International 11;6-10, 2001.

D.1. INVITED PAPERS IN SCIENTIFIC MEETINGS.

1. Does hormone replacement therapy inhibit coronary artery calcification?
ACCEL vol.29, No.9 September 1997.
2. Dual-Slice Spiral CT of the coronary arteries for calcium quantification.
The 3rd Annual "Spiral/Helical CT 1998: National Symposium" New-York,
USA.
3. Dual-slice spiral CT for coronary artery calcium: Detection, measuring
and tracking- Seven years of exploring the coronary artery wall.
2nd annual International Symposium on Multidetector –Row CT. 2000:
San Francisco, USA.
4. The clinical value of coronary calcium measurements.
3rd annual International Symposium on Multidetector –Row CT. 2001:
San Francisco, USA.
5. Overview of current clinical applications of coronary calcium detection.

- 1st International Conference on Cardiac Spiral CT 2000: Heidelberg, Germany.
6. Experience with spiral CT for coronary artery calcification screening. Multislice CT: Screening test for the new millennium. The Cleveland Clinic Foundation. 2000; Cleveland, USA.
 7. Clinical use of coronary artery calcium by spiral CT. 2nd International Conference on Cardiac Spiral CT 2001; Charleston, South Carolina, USA.
 8. EBCT/SPIRAL CT for coronary calcifications: Clinical applications. The Working Group in Cardiovascular Epidemiology and Preventive Cardiology Meeting. 2001; Tel Aviv, Israel.
 9. Practical use of MDCT for coronary screening. 2nd International Symposium on Multidetector Spiral CT 2002; Starenberg, Germany.
 10. The clinical use of coronary calcium measurement. 4th annual International Symposium on Multidetector –Row CT. 2002; San Francisco, USA.
 11. Reproducibility and Relevance: The Prognostic Value to Calcium Scoring
Cardiovascular CT Symposium
2003 Miami, USA
 12. Multi-detector Spiral CT for the evaluation of coronary artery disease – from soft plaque to obstructive disease.
5th international meeting of interventional cardiology
2003 Tel-Aviv Israel

D 2.3. ABSTRACTS AND PAPER PRESENTED AT SCIENTIFIC MEETINGS

1. **Shemesh J**, Steinmetz A, Fisman EZ, Drory Y, Kellermann JJ: Radionuclide ventriculographic assessment of the effects of Nisoldipine on painless myocardial ischemia. XIIth Congress of the European Society of Cardiology, Stockholm, Sweden, September 1990. E Heart J 11: (Abstract Supplement) 68, 1990.
2. **Shemesh J**, Steinmetz A, Grossman E, Kellermann JJ, Motro M: The effect of oral core coated Nisoldipine on cardiac functions in patients with stable angina. The Annual Meeting of the Israel Heart Society, Tel Aviv, Israel, April 1994. Israel J Med Sci 4:270,1995.

3. **Shemesh J**, Steinmetz A, Grossman E, Kellermann JJ, Motro M:
Medium term hemodynamic effects of core coated Nisoldipine in patients with stable angina.
The annual Meeting of the Israel Heart Society, Tel Aviv, Israel, April 1994..
Israel J Med Sci 4:270,1995.
4. **Shemesh J**, Grossman E, Peleg E, Steinmetz A, Rosenthal T, Motro M:
Neurohormonal responses to exercise test in rehabilitated and nonrehabilitated patients with dilated ischemic cardiomyopathy.
Joint XIIth World Congress of Cardiology and XVth Congress of the European Society of Cardiology, Berlin, Germany, September 1994.
E Heart J 15: (Abstract Supplement) 319, 1994.
5. **Shemesh J**, Apter S, Lusky A, Rozenman J, Itzchak Y, Motro M:
Detection and quantification of coronary calcium by use of Spiral CT.
80th Scientific Assembly and Annual Meeting, Radiological Society of North America, Chicago, USA, November-December, 1994.
Radiology 139P: 161,1994.
6. **Shemesh J**, Apter S, Rath S, Lusky A, Itzchak Y, Motro M:
Coronary calcium score by spiral CT in first myocardial infarction versus chronic angina pectoris.
The Annual Meeting of the Israel Heart Society, Tel Aviv, Israel, April 1995.
Israel J Med Sci 32:154,1996.
7. **Shemesh J**, Apter S, Lusky A, Rath S, Itzchak Y, Motro M:
A quantitative calcium comparison between the coronary arteries and the thoracic aorta using spiral CT.
The Annual Meeting of the Israel Heart Society, Tel Aviv, Israel, April 1995.
Israel J Med Sci 32:154-155,1996.
8. **Shemesh J**, Apter S, Itzchak Y, Motro M:
Progression of coronary calcification in patients with and without coronary artery disease by double helix computerized tomography: one-year follow-up.
The XVIIth Congress of the European Society of Cardiology, Amsterdam, the Netherlands, August 1995.
E Heart J 16: (Abstract Supplement) 228, 1995
9. **Shemesh J**, Apter S, Rath S, Itzchak Y, Motro M:
Comparison of double helix computerized tomography to angiography in the detection of coronary artery disease among the elderly.
The XVIIth Congress of the European Society of Cardiology. Amsterdam, The Netherlands, August 1995.
E Heart J 16: (Abstract Supplement) 511, 1995
10. **Shemesh J**, Tenenbaum A, Rath S, Rozenman J, Itzchak Y, Motro M:

Non invasive diagnosis of normal coronary arteries in symptomatic elderly women.

American Heart Association 68th Scientific Sessions, Anaheim, California, USA, November 1995.

Circulation 92: I-91, 1995

11. **Shemesh J**, Rath S, Agranat O, Apter S, Itzchak Y, Motro M: The prevalence of coronary calcification by age as measured by double helix computerized tomography.

The 5th International conference on non invasive cardiology, Tel-Aviv, Israel, December 1995.

J Cardiovascular Diagnosis and Imaging 13: 105, 1996.

12. **Shemesh J**, Tenenbaum A, Har-Zahav Y, Fisman EZ, Rath S, Apter S,

Itzchak Y, Motro M: The non invasive differentiation between ischemic and non-ischemic dilated cardiomyopathy using double helix computerized tomography.

The 5th International conference on non invasive cardiology, Tel-Aviv, Israel, December 1995.

J Cardiovascular Diagnosis and Imaging 13: 106, 1996

13. **Shemesh J**, Tenenbaum A, Leibovitch L, Apter S, Rath S, Fisman Z, Itzchak Y, Motro M.: Syndrome X in women: Angiographically "normal" coronary arteries with significant wall calcifications.

Israel J Med Sci 32:S20;1996.

14. Tenenbaum A, Stroh CI, **Shemesh J**, Vered Z, Motro M: A disrupted plaque with a mobile component ("Dinosaur" like) in the aorta is associated with a high incidence of systemic embolism.

The Annual Meeting of the Israel Heart Society, Tel Aviv, Israel, April 1996.

Israel J Med Sci 32 (Supl):S21, 1996.

15. **Shemesh J**, Leibovitch L, Frenkel Y, Grossman E, Pines A, Segev S, Motro M:

low prevalence of coronary calcification in postmenopausal women taking estrogen replacement therapy.

The Annual Meeting of the Israel Heart Society, Tel Aviv, Israel, April 1996.

Israel J Med Sci 32 (Supl):S21, 1996.

16. **Shemesh J**, Stroh CI, Hod H, Tenenbaum A, Apter S, Itzchak Y, Motro M:

Characteristics of coronary calcium in patients with first acute myocardial infarction versus chronic angina by double helix CT.

XVIIIth congress of the European Society of cardiology,

Birmingham, UK,1996.

E Heart J : (Abstract Supplement) , 1996

17. **Shemesh J**, Tenenbaum A, Leibovitch L, Apter S, Rath S, Fisman Z, Itzchak Y, Motro M.:

Syndrome X in women: Coronary wall calcification in angiographically normal coronary arteries.

XVIIIth congress of the European Society of cardiology,
Birmingham, UK, 1996.

E Heart J : (Abstract Supplement) , 1996

18. Tenenbaum A, **Shemesh J**, Stroh CI, Garniek A, Vered Z, Itzchak Y,

Motro M:

Fast computed tomography: A reliable detector of protruding aortic atheromas as a source of stroke and systemic emboli.

The 69th Scientific Session of the American Heart Association, New Orleans, Louisiana, November 1996.

Circulation 94 (8) Suppl : 1265 1996.

19. **Shemesh J**, Leibovitch L, Frenkel Y, Grossman E, Pines A, Segev S, Motro M:

Does hormone replacement therapy inhibit coronary artery calcification?

The 69th Scientific Session of the American Heart Association, New Orleans, Louisiana, November 1996.

Circulation 94 (8) Suppl : 0067 1996.

20. Tenenbaum A, Stroh C, **Shemesh J**, Fisman EZ, Vered Z, Motro M:

A mobile component of the aortic plaque as a major risk factor for systemic embolism in the elderly.

The 46th Annual Meeting of the American College of Cardiology, Anaheim, California, March 1997.

JACC 29 (2) Supplement A:287A [997-40], 1997.

21. **Shemesh J**, Tenenbaum A, Grossman E,
Increased left ventricular mass in hypertensive women with diabetes mellitus.

E Heart J : (Abstract Supplement) , 1997.

22. **Shemesh J**, Tenebaum A, Stroh C.I., Fisman E.Z. Motro M.
Extensive coronary calcification on double helical CT is a strong predictor of chronic, but not acute, coronary events.

E Heart J : (Abstract Supplement) , 1997.

23. **Shemesh J**, Grossman E, Stroh C.I. Motro M.
progression of coronary calcification in hypertensive patients:
INSIGHT study - Two years follow up.
First International Congress on Coronary Artery Disease.
Prague, Czech Republic 1997.

24. **Shemesh J**, Tenebaum A, Stroh C.I., Fisman E.Z. Motro M.
Extensive coronary calcification is a strong predictor of chronic coronary events.

The 47th Annual Meeting of the American College of Cardiology,
Atlanta, Georgia, March 1998.
J Am Coll Cardiol 31 (2) Supplement A:450A [1186-130], 1998.

25. **Shemesh J.**, Stroh C.I., Tenebaum A, Har-Zahav, Motro M.
Non invasive diagnosis of allograft atherosclerosis by double helical CT.
Journal of the Israel Heart Society (supplement) April, 1998.
26. **Shemesh J.** Tenebaum A, Stroh C.I., Apter S, Fisman E.Z. Motro M.
Utilization of fast CT for chest pain evaluation in patients with atypical chest pain vs typical angina:
Journal of the Israel Heart Society (supplement) April, 1998.
27. **Shemesh J.** Tenebaum A, Apter S, Stroh C.I., Fisman E.Z. Motro M.
Chest pain evaluation in women: absence of coronary calcium on fast CT is an accurate marker for favorable prognosis.
E Heart J 19;236 (Abstract Supplement), 1998.
28. Tenebaum A, FismanEZ, Boyco V, Goldbourt U, Graff E, Reicher-Reiss H, Shotan A, **Shemesh J.** Behar S, Motro M.
Hypertension in diet-treated versus pharmacologically treated diabetic patients with ischaemic heart disease: a different survival over a 5-year follow-up.
E Heart J 19;344 (Abstract Supplement) 1998.
29. Tenenbaum A, **Shemesh J.** Fisman EZ, Nosrati Ilan, Motro M.
Intermediate but not low dose of aspirin can supress angiotensin converting enzyme inhibitors induced cough.
Circulation Suppl I-300: 1571:1998.
30. **Shemesh J.** Motro M.
Coronary calcium as a predictor of coronary events in hypertensive patients- Three years follow-up.
E Heart J 20;483(Abtract Supplement) 1999.
31. Tenenbaum A, , Fisman EZ Boyko V, Goldbourt U, Auerbach I, **Shemesh J.** Shotan A, Reicher-Reiss, Behar S, Motro M.
Unrecognaized hypertension in diabetic patients with coronary disease: prevalence and prognostic significance.
E Heart J 20;119 (Abstract Supplement) 1999.
32. **Shemesh J.** Motro M.
Coronary Calcium predict coronary events in hypertensive patients: Three years follow-up
Circulation Suppl I-535: 2818, 1999
33. **Shemesh J.** Motro M.

Tracking coronary atherosclerosis via multi-slice spiral computed tomography:

Three years follow-up.

Radiology 213;352 (*Abstract Supplement*), 1999

34. Tenenbaum A, **Shemesh J**, Fisman EZ, et al.
Gender paradox in cardiac calcium deposits: Mitral annular and coronary calcification interrelationship
Journal of the Israel Heart Society (supplement) 63, 2000
35. **Shemesh J**, Motro M.
Progression of coronary calcium is associated with increase risk for coronary event in hypertensive patients: Three years follow-up
E Heart J 21;269 (Abstr. Suppl.) 2000.
36. **Shemesh J**, Motro M.
Comparison of annual progression of calcific coronary atherosclerosis in patients with and without clinical coronary artery disease: Three year follow-up by spiral computed tomography.
E Heart J 21; (Abstr. Suppl.) 2000
37. **Shemesh J**, Motro M.
Annual progression of coronary calcium can be accurately measured by dual multidetector-row spiral CT: A new scoring algorithm reduces measurement variability.
Radiology 217;588 (Abstr. Suppl.), 2000.
38. Grossman E., **Shemesh J.**, Motro M.
hypertensive patients with diabetes mellitus have high heart rate and pulse pressure.
39. **Shemesh J**, Motro M.
Characteristics of coronary calcification in patients with acute vs. chronic coronary events using Dual-sector spiral computerized tomography.
E Heart J 22; (Abstr. Suppl.) 567, 2001.
40. **Shemesh J**, Motro M.
Comparison between coronary calcification in patients with acute vs. chronic coronary events by spiral computerized tomography.
Radiology (Abstr. Suppl.) 501, 2001.

G. OTHER PUBLICATIONS**LETTERS TO THE EDITOR**

1. Stroh CI, **Shemesh J**, Motro M:
Using fast CT to exclude CAD in elderly women (60 and above).
New Eng J Med 335 (8):595, 1996.
2. Tenenbaum A, **Shemesh J**.
Attenuation of unfavorable sympathetic hyperactivity induced by long-term physical training in postinfarction patients: fact or speculation?
Circulation. 1042-1043,1998
3. **Shemesh J**, Tenenbaum A, Fisman EZ, Motro M.
Is electron beam CT the sole detection method for coronary calcium?
JACC 34;(2)611-612, 1999.

TEACHING

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|-------------------------------|---|------|
| 1986 - 1995
Physiotherapy, | Teaching - 4th year students, School of
Sheba Medical Center, Tel Hashomer. | |
| 1987 - 1995 | Teaching - Course in cardiology and cardiac
rehab | |
| | Continuing Medical Education, School of Continuing Medical Education,
Tel-Aviv University. | Tel- |
| 1988 - 1995 | Teaching - 4th and 6th year medical students,
Sackler School of Medicine, Tel-Aviv University,
Departments of Medicine C,D and F
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| 1994 - 2012 | Teaching - Course in cardiology, School of
Continuing Medical Education, Sackler School of
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| 1995-2012 | Teaching - 4th year medical students,
Sackler School of Medicine, Tel-Aviv University,
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