

CURRICULUM VITAE

Name: Yaron Shapira, MD

Identity No: 5537436-7

Place Of Work: The Sheingarten Echocardiography Unit, the Department of Cardiology, Rabin Medical Center, Beilinson Campus, Petah-Tikva, Israel.

☎ 03-9377056/7

Home Address: 29 Tzivoni Str, P.O.B. 1616, Re'ut, 71908, Israel, ☎ 08-9264596

Date And Place Of Birth: September 5, 1958; Petah-Tikva, Israel.

Zahal (Israeli) Military Service: Enlisted - October 1983. Active service as a military physician - 10/83-9/87; 7/90-12/91; 10/96-10/98.

Marital Status: Married **No. of children:** 3

A: EDUCATION:

| Period of Study | Name of University | Subject | Degree | Date awarded |
|-----------------|--|----------|--------|--------------|
| 1976-1982 | Tel-Aviv University, Sackler Medical School | Medicine | MD | Nov 4, 1986 |

Date of receiving Specialization Certificate:

Internal Medicine: October 18, 1993

Cardiology: August 8, 1996

Title of Doctoral Dissertation: First Pass Exercise Radionuclide Angiocardiology for the Detection of Coronary Artery Disease

Supervisor of Doctoral Dissertation Dr Mordechai Wurzel, the Cardiology Department, Beilinson Medical Center, Tel-Aviv, Israel.

Name: Yaron Shapira, MD

B: FURTHER STUDIES:

| Period of Study | Name of University | Subject | Degree | Date awarded |
|-----------------|---------------------------------|------------------------------|-----------|--------------|
| 1982-3 | Beilinson Medical Center | Rotating Internship | | |
| 1987-90 | Beilinson Medical Center | Internal Medicine | Specialty | 1993 |
| 1993-6 1991 | Beilinson Medical Center IDF | Cardiology ATLS Course | Specialty | 1996 |
| 2012 | MDA | ACLS course | | 2012 |
| 2012 | Sheba Medical Center | Sedation course | | 2012 |

C: ACADEMIC EXPERIENCE:

| Period | Name of institution | Department | Rank / Function |
|-------------------------|------------------------------------|--------------|---|
| 1987-1993 | Beilinson Medical Center | Medicine 'B' | Instructor of Medical Students (4 th and 6 th year Clerkship) |
| 1990-1 | IDF | | Instructor of all-around medical staff about hospital deployment for chemical warfare |
| 1993-6 | Beilinson Medical Center | Cardiology | Instructor of Medical Students (6 th year Clerkship) |
| 1998- | Beilinson Medical Center | Cardiology | Instructor of Medical Students - Israeli & American; Instructor of physicians from former USSR. |
| 1/10/2000- 1/12/2005 | Tel -Aviv University | | Lecturer in Cardiology |
| 1/12-2005- | Tel -Aviv University | | Senior lecturer in Cardiology |
| 2001- | The Journal of Heart Valve Disease | | Reviewer |
| 2003-2007 | Tel -Aviv University | | Coordinator of Cardiology CME course |
| 2007 -2010 | Israel Heart Society | | Member of the national Cardiology examination board and co-coordinator of Level A exam. |
| 2008- | European Heart Journal | | Reviewer |
| 2008- | American Journal of Cardiology | | Reviewer |

Name: Yaron Shapira, MD

D: CLINICAL EXPERIENCE:

| Period | Name of institution | Department | Rank / Function |
|------------------------------|--|----------------------------|---|
| 1983 | Beilinson Medical Center | Various | Rotating Internship |
| 1983-6 | Magen David Adom - Petah Tikva, Rehovot, Kiriath Shemona | Mobile intensive Care Unit | Physician |
| 1987-90, 1992-3 | Beilinson Medical Center | Medicine 'B' | Ward Physician |
| 1993-6 | Beilinson Medical Center | Cardiology | Ward Physician |
| 1996 | Beilinson Medical Center | Cardiology | Cardiologist |
| 1983-7, 1990-1, 1996-8 | IDF | Various | military physician |
| 1998- | Beilinson Medical Center | Cardiology | Cardiologist |
| 2005- | Beilinson Medical Center | | Member of Institutional Ethics Committee (Helsinki) |

E. ACADEMIC AND PROFESSIONAL AWARDS

Henry Neufeld Research Award Fund, Israel Heart Society, April 2001

First prize for the best publication: Thrombolysis is an effective and safe therapy in stuck bileaflet mitral valves in the absence of high-risk thrombi.

Excellence award, Rabin Medical Center, Petah-Tiqva, 2006

Name: Yaron Shapira, MD

F: MEMBERSHIP IN PROFESSIONAL SOCIETIES:

| <u>Year</u> | <u>Name of Society</u> | <u>Country</u> |
|-------------|---|----------------|
| 1983- | Israel Medical Association | Israel |
| 1996- | Israel Heart Society | Israel |
| 1999- | Israel Society of Echocardiography | Israel |
| 1999- | Israel Society of myocardial and pericardial diseases | Israel |
| 2003- | The Society for Heart Valve Disease | International |

G: ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS:

| Year | Name of meeting |
|------|--|
| 1990 | Annual Meeting of Israel Heart Society, Jerusalem, Israel |
| 1991 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 1992 | Annual Meeting of Israel Medical Association, Jerusalem, Israel |
| 1992 | International Conference on Emergency Civilian Medical Services in Non-conventional War, Tel-Aviv, Israel |
| 1994 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 1995 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 1995 | Fifth international conference on non-invasive cardiology, Tel-Aviv, Israel |
| 1996 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 1996 | Ninth annual meeting of the Mediterranean Association of Cardiology and Cardiac Surgery, Tel-Aviv, Israel |
| 1997 | 46th annual scientific session of the American College of Cardiology, Anaheim, California |
| 1997 | Annual Meeting of Israel Heart Society, Jerusalem, Israel |
| 1998 | Annual Meeting of Israel Heart Society, Jerusalem, Israel |
| 1998 | Sixth international conference on non-invasive cardiology, Jerusalem, Israel |
| 1999 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 1999 | Fifteenth International Symposium on Sports Medicine, Jerusalem, Israel |
| 1999 | 21 st Congress of the European Society of Cardiology, Barcelona, Spain |
| 1999 | 72 nd scientific sessions of the American Heart Association, Atlanta, Georgia |
| 2000 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 2001 | Annual Meeting of Israel Heart Society, Jerusalem, Israel |
| 2001 | 1 st Biennial Meeting of the Society for Heart Valve Disease, London |
| 2002 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 2002 | EuroEcho 6, Munich, Germany |
| 2003 | Diagnosis and Treatment of Patients with Complex Valvular Heart Disease, Eilat, Israel |
| 2003 | Joint Meeting of the Israeli Societies of Intensive Coronary Care and Society of Echocardiography, Ramat-Gan, Israel |
| 2003 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 2003 | 2 nd Biennial Meeting of the Society for Heart Valve Disease, Paris, France |
| 2003 | EuroEcho 7, Barcelona, Spain |
| 2004 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 2004 | EuroEcho 8, Athens, Greece |
| 2005 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 2005 | 3 rd Biennial Meeting of the Society for Heart Valve Disease, Vancouver, Canada |
| 2006 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 2006 | EuroEcho 10, Prague, Czech republic |
| 2007 | Intraoperative transesophageal echocardiography course, Paris, France |

G: ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS
(cont'd)

| | |
|------|--|
| 2007 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 2007 | EuroEcho 11, Lisbon, Portugal |
| 2008 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 2008 | Annual Congress of the European Society of Cardiology, Munich, Germany |
| 2008 | Joint Meeting of the Israeli Society of Echocardiography and Society of Cardiac Surgeons, Tel-Hashomer, Israel |
| 2008 | Acute Cardiac Care, Versailles, France |
| 2009 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 2009 | Heart valve symposium, Tel-Hashomer, Israel |
| 2010 | Mitral valve workshop for cardiac surgeons, Neve-Ilan, Israel |
| 2010 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 2010 | Joint meeting of The Israeli working group on Echocardiography and Israel Society of Cardiothoracic Surgery, Tel-Aviv, |
| 2011 | Aorta workshop for cardiac surgeons, Haifa, Israel |
| 2011 | Meeting of the Israeli Society of Echocardiography, Kfar Sava, Israel |
| 2011 | Annual Meeting of Israel Heart Society, Tel-Aviv, Israel |
| 2011 | 6 th Biennial Meeting of the Society for Heart Valve Disease, Barcelona, Spain |
| 2012 | Joint meeting of The Israeli working group on Echocardiography and Israeli working group on invasive cardiology, Tel-Aviv, |

Students supervised by the candidate:

G1: MD students:

1) Eftat Ofek - Moravsky, Tel-Aviv University

The natural history of coronary artery disease in patients with mitral stenosis.

2) Orly Hamburger-Avnery, Tel-Aviv University

Outcome of tricuspid annuloplasty.

3) Yair Manevich, Tel-Aviv University

The value of intraoperative transesophageal echocardiography in patients with ischemic mitral regurgitation undergoing coronary bypass grafting.

4) Sahar Yael, Tel-Aviv University.

Aortic Atheromas as a Marker of Coronary Artery Disease in Patients with Calcified Degenerative Aortic Stenosis.

Foreign physicians tutored by the candidate (3 months each)

1) Dr. Yemane Temelso, Eritrea, 2001

2) Dr. Salim Budha, Zanzibar, 2001

LIST OF PUBLICATIONS:B.1. ORIGINAL ARTICLES

a) Published

- 1) Shapira Y, Bar Y, Berkenstadt H, Atsmon J, Danon YL
Outline of hospital organization for a chemical warfare attack.
Isr J Med Sci 1991; 27: 616-22.
- 2) Wysenbeek AJ, Shapira Y, Leibovici L
Primary fibromyalgia and the chronic fatigue syndrome.
Rheumatol Int 1991; 10: 227-9.
- 3) Shapira Y, Marganitt B, Roziner I, Shochet T, BarY, Shemer J
Willingness of staff to report to their hospital duties following an unconventional missile attack: a statewide survey.
Isr J Med Sci 1991; 27: 704-11.
- 4) Shapira Y, Wurzel M, Hirsch R, Teplitski I
Systolic rightward displacement of the left anterior descending artery: a novel cineangiographic sign for tricuspid regurgitation.
Cath Cardiovasc Cardiol 1995; 36: 74-8.
- 5) Shapira Y, Wurzel M
Abnormal diastolic unopacified blood front: a useful marker of mitral stenosis.
Cath Cardiovasc Diag 1995; 36: 320-5.
- 6) Shapira Y, Weinberger A, Wysenbeek AJ
Lymphadenopathy in systemic lupus erythematosus. Prevalence and relation to disease manifestations.
Clin Rheumatol 1996; 15: 335-8
- 7) Shapira Y, Hirsch R, Jortner R, Nili M, Vidne BA, Sagie A.
Prosthetic heart valve thrombosis: a 3-year experience.
Harefua 1997; 133: 169-173.

7) י. שפירא, ר. הירש, ר. יורטנר, מ. נילי, ב. וידנה, א. שגיא
התקעות מסתמי לב תותבים מיכאניים: נסיונו ב - 3 שנים
הרפואה תשנ"ז, כרך קל"ג, 169-173.

- 8) Shapira Y, Feinberg MS, Hirsch R, Nili M, Sagie A
Echocardiography can detect cloth-cover tears in fully covered Starr-Edwards valves.
Long term (> 20 years) clinical and echocardiographic follow-up of 35 patients.
Am Heart J 1997; 134: 665-671.
- 9) Adler Y, Shochat-Zabarski R, Vaturi M , Shapira Y, Ehrlich S, Jortner R, Assali AR, Zonshin A, Sagie A.
Association between mitral annular calcium and aortic atheroma as detected by transesophageal echocardiographic study.
Am J Cardiol 1998; 81: 784-786.
- 10) Shapira Y, Porter A, Wurzel M, Vaturi M, Sagie A.
Evaluation of tricuspid regurgitation severity: echocardiographic and clinical correlation.
J Am Soc Echocardiogr 1998; 11: 652-659
- 11) Adler Y, Herz I, Vaturi M, Fusman R, Shochat-Zabarski R, Fink N, Porter A, Shapira Y, Assali AR, Sagie A.
Mitral annular calcification detected by transthoracic echocardiography is a marker for high prevalence and severity of coronary artery disease in patients undergoing coronary angiography.
Am J Cardiol 1998; 82: 1183-1186.
- 12) Shapira Y, Sagie A, Jortner R, Adler Y, Hirsch R
Thrombosis of bileaflet tricuspid valve prosthesis - clinical spectrum and the role of nonsurgical treatment.
Am Heart J 1999; 137: 721-725
- 13) Porter A, Shapira Y, Wurzel M, Sulkes J, Vaturi M, Sahar G, Sagie A
Tricuspid regurgitation late after mitral valve replacement: clinical and echocardiographic evaluation.
J Heart Valve Dis 1999; 8: 57-62
- 14) Vaturi M, Porter A, Adler Y, Shapira Y, Sahar G, Vidne BA, Sagie A
The natural history of aortic valve disease after mitral valve surgery.
J Am Coll Cardiol 1999; 33: 2003-2008.
- 15) Tur-Kaspa I, Lev EI, Hendler I, Siebner R, Shapira Y, Shemer J.
Preparing hospitals for toxicological mass casualties events.
Crit Care Med 1999; 27: 1004-1008.

- 16) Shapira Y, Herz I, Birnbaum Y, Snir E, Vidne BA, Sagie A
Repeated thrombolysis in multiple episodes of obstructive thrombosis in prosthetic heart valves: a report of 3 cases and review of the literature.
J Heart Valve Dis 2000; 9: 146-9.
- 17) Shapira Y, Herz I, Vaturi M, Porter A, Adler Y, Birnbaum Y, Strasberg B, Sclarovsky S, Sagie A
Thrombolysis is an effective and safe therapy in stuck bileaflet mitral valves in the absence of high-risk thrombi.
J Am Coll Cardiol 2000; 35: 1874-1880.
- 18) Shapira Y, Nili M, Hirsch R, Vaturi M, Vidne BA, Sagie A
Mid-term clinical and echocardiographic follow-up of patients with CarboMedics® valves in the tricuspid position.
J Heart Valve Dis 2000; 9: 396-402.
- 19) Vaturi M, Aravot D, Ben-Gal T, Shapira Y, Adler Y, Sahar G, Vidne BA, Sagie A
Natural history of left-sided valves after heart transplantation.
Transplantation Proceedings 2000; 32: 735-736.
- 20) Weisenberg D, Shapira Y, Sagie A, Nili M, Vidne BA
Mitral valve repair in 48 patients with degenerative disease: mid-term clinical and echocardiographic follow-up.
J Isr Heart Soc 2000; 10: 20-25.
- 21) Adler Y, Vaturi M, Wisner I, Shapira Y, Herz I, Weisenberg D, Sela N, Battler A, Sagie A
Non-obstructive aortic valve calcification - a window to atherosclerosis of the aorta.
Am J Cardiol 2000; 86: 68-71.
- 22) Adler Y, Levinger U, Koren A, Gabbay R, Shapira Y, Vaturi M, Fink N, Herz I, Zelikovski A, Sagie A
Association between mitral annulus calcification and peripheral arterial atherosclerotic disease.
Angiology 2000; 51: 639-646.
- 23) Adler Y, Vaturi M, Fink N, Tanne D, Shapira Y, Weisenberg D, Sela N, Sagie A
Association between mitral annulus calcification and aortic atheroma. A prospective transesophageal echocardiographic study.
Atherosclerosis. 2000; 152: 451-456.

- 24) Vaturi M, Shapira Y, Rotstein M, Adler Y, Porter A, Birnbaum Y, Vered Z, Sagie A.
The effect of aortic valve replacement on left ventricular mass assessed by echocardiography.
Eur J Echocardiog 2000; 1: 116-121
- 25) Kramer M, Goldenberg-Cohen N, Shapira Y, Axer-Siegel R, Shmueli H, Adler Y, Weinberger D, Sagie A.
Role of transesophageal echocardiography in the evaluation of patients with retinal artery occlusion.
Ophthalmology 2001; 108: 1461-1464
- 26) Vaturi M, Sagie A, Shapira Y, Feldman A, Fink N, Strasberg B, Adler Y
Impact of Atrial Fibrillation on Clinical Status, Atrial Size and Hemodynamics in Patients after Mitral Valve Replacement.
J Heart Valve Dis 2001; 10: 763-6
- 27) Shapira Y, Bairey O, Vatury M, Magen-Nativ H, Prokocimer M, Sagie A.
Erythropoietin can obviate the need for repeated heart valve replacement in high-risk patients with severe mechanical hemolytic anemia.
Report of 3 cases and review of the literature.
J Heart Valve Dis 2001; 10: 431-5.
- 28) Shapira Y, Vaturi M, Perlmutter M, Sagie A
Feasibility of 2-dimensional bileaflet valve imaging: a prospective transthoracic echocardiographic study
J Heart Valve Dis 2002; 11: 576-582
- 29) Vaturi M, Shapira Y, Vaknin-Assa H, Oron A, Matesko R, Sagie A
Echocardiographic Markers of Severe Tricuspid Regurgitation Associated with Right-Sided Congestive Heart Failure.
J Heart Valve Dis 2003; 12: 197-200
- 30) Shapira Y, Vaturi M, Hasdai D, Battler A, Sagie A
The safety and efficacy of repeated courses of tissue-type plasminogen activator in patients with stuck mitral valves who did not fully respond to the initial thrombolytic course.
J Thromb Haemost 2003; 1: 725-8
- 31) Sharoni E, Erez E, Shapira Y, Vidne BA, Sagie A.
Transesophageal echocardiography evaluation and follow-up of left main coronary artery patch angioplasty
Eur J Cardiothorac Surg 2003; 23: 585-588
- 32) Lev EI, Sagie A, Vaturi M, Sela N, Battler A, Shapira Y.
The value of exercise echocardiography in rheumatic mitral stenosis patients with and without significant mitral regurgitation.
Am J Cardiol 2004; 93: 1060-3

- 33) Shapira Y, Mordehay M, Weisenberg DE, Raanani E, Sahar G, Snir E, Battler A, Vidne BA, Sagie A. Impact of intraoperative transesophageal echocardiography in patients undergoing valve replacement.
Ann Thorac Surg 2004; 78: 579-83
- 34) Raanani E, Georghiou GP, Kogan A, Wandwi B, Shapira Y, Vidne BA. "BioGlue" for the Repair of Aortic Insufficiency in Acute Aortic Dissection.
J Heart Valve Dis 2004; 13: 734-7.
- 35) Raanani E, Kogan A, Shapira Y, Sagie A, Kornowsky R, Vidne BA. Surgical reconstruction of the left main coronary artery: fresh autologous pericardium or saphenous vein patch.
Ann Thorac Surg. 2005; 78: 1610-3.
- 36) Golovchiner G, Mazur A, Kogan A, Strasberg B, Shapira Y, Fridman M, Kuzniec J, Vidne BA, Raanani E.
Atrial Flutter after Surgical Radiofrequency Ablation of the Left Atrium for Atrial Fibrillation
Ann Thorac Surg 2005 79: 108-12.
- 37) Weisenberg D, Sahar Y, Sahar G, Shapira Y, Iakobishvili Z, Vidne BA, Sagie A. Atherosclerosis of the aorta is common in patients with severe aortic stenosis: an intraoperative transesophageal echocardiographic study.
J Thorac Cardiovasc Surg 2005; 130: 29-32.
- 38) Ben Zekry S, Sagie A, Ben-Dor I, Weisenberg DA, Nukrian H, Battler A, Shapira Y.
Initial Clinical Experience with Hand-Held Device (Thrombocheck©) for the the Detection of Bileaflet Prosthetic Valve Malfunction.
J Heart Valve Dis 2005; 14: 476-80.
- 39) Ben-Dor I, Sagie A, Weisenberg D, Ben Zekry S, Fraser A, Sahar G, Iakobishvili Z, Battler A, Shapira Y.
Comparison of diameters of ascending aorta in patients with severe aortic stenosis secondary to congenital - vs degenerative - vs rheumatic etiologies
Am J Cardiol 2005; 96: 1549-52.
- 40) Hamdan A, Shapira Y, Bengal T, Mansor M, Vaturi M, Sulkes J, Battler A, Sagie A.
Tissue Doppler Imaging in Patients with Advanced Heart Failure: Relation to Functional Class and Prognosis.
J Heart Lung Transplant 2006; 25: 214-8.
- 41) Danicek V, Sagie A, Vaturi M, Weisenberg DE, Rot G, Shapira Y
Tricuspid inflow E wave peak velocity can reflect tricuspid regurgitation severity.
Am J Cardiol 2006 ; 98: 399-401

- 42) Shapira Y, Weisenberg DE, Vaturi M, Sharoni E, Raanani E, Sahar G, Vidne BA, Battler A, Sagie A.
The impact of intraoperative transesophageal echocardiography in infective endocarditis.
Isr Med Assoc J 2007; 9: 299-302.
- 43) Sahar G, Meir A, Battler A, Shapira Y, Vidne BA, Ben-Dor I.
Bilateral internal mammary versus single internal mammary grafting in the elderly.
Isr Med Assoc J 2007; 9: 294-298.
- 44) Hirsch R, Lorber A, Shapira Y, Brosh D, Khoury A, Bass JL, Kornowski R, Battler A.
Initial experience with the amplatzer membranous septal occluder in adults.
Acute Card Care. 2007; 9: 54-9.
- 45) Shapira Y, Hirsch R, Kornowski R, Hasdai D, Assali A, Vaturi M, Sievert H, Hein R, Battler A, Sagie A.
Percutaneous Closure of Perivalvular Leaks with Amplatzer® Occluders – feasibility, safety and short-term results.
J Heart Valve Dis 2007; 16:305-313.
- 46) Weisenberg D, Shapira Y, Vaturi M, Monakier D, Battler A, Sagie A.
Does Exercise Echocardiography have an Added Value Over Exercise Testing Alone in Asymptomatic Patients with Severe Aortic Stenosis.
J Heart valve Dis 2008; 17: 376-80.
- 47) Iakobishvili Z, Eisen A, Porter A, Cohen N, Abramson E, Mager A, Shapira Y, Sagie A, Hasdai D.
Acute Coronary Syndromes in Patients with Prosthetic Heart Valves - a Case Series.
Acute Card Care. 2008; 13: 148-151.
- 48) Bouganim T, Shapira Y, Sagie A, Vaturi M, Battler A, Kornowski R, Lev EI.
Platelet reactivity in patients with a history of obstructive prosthetic valve thrombosis.
Am J Cardiol. 2009; 103: 1760-3.
- 49) Vaturi M, Hadar T, Yedidya I, Shapira Y, Monakier D, Weisenberg DE, Sagie A.
The Association of Left Atrial Volume with Exercise Capacity in Patients with Chronic Severe Mitral Regurgitation.
IMAJ 2010; 12: 150–153.
- 50) Vaturi M, Kusniec J, Shapira Y, Nevzorov R, Yedidya I, Weisenberg D, Monakier D, Strasberg B, Sagie A.
Right ventricular pacing increases tricuspid regurgitation grade regardless of the mechanical interference to the valve by the electrode.
Eur J Echocardiogr 2010; 11: 550-553.

51) Vaturi M, Perl L, Leshem-Lev D, Dadush O, Bental T, Shapira Y, Yedidya I, Greenberg G, Kornowski R, Sagie A, Battler A, Lev EI.

Circulating endothelial progenitor cells in patients with dysfunctional versus normally functioning congenitally bicuspid aortic valves.

Am J Cardiol. 2011; 108: 272-6.

52) Dvir D, Assali A, Vaknin-Assa H, Sagie A, Shapira Y, Porat E, Kornowski R.

Transcatheter aortic and mitral valve implantations for failed bioprosthetic heart valves

J Invasive Cardiol. 2011; 23: 377-81.

53) Weisenberg D, Sagie A, Vaturi M, Monakier D, Sharoni E, , MD, Porat E, Shapira Y.

The value of intraoperative transesophageal echocardiography in patients undergoing aortic valve replacement

J Heart Valve Dis 2011;20:540-544

54) Vaturi M, Weisenberg D, Yedidya I, Shapira Y, Nevzorov R, Monakier D, Sagie A.

Does gender affect the rates of abnormal exercise stress echocardiography in patients with asymptomatic severe aortic stenosis?

J Heart Valve Dis 2012; 21: 31-6

55) Eisen A, Shapira Y, Sagie A, Kornowski R

Infective Endocarditis in the TAVR Era: Comprehensive Review of a Rare Complication.

Clinical Cardiology 2012; 35: E1-5

b) Accepted for publication

1) Dvir D, Sagie A, Porat E, Assali A, Shapira Y, Vaknin-Assa H, Shafir G, Bental T, Nevzorov R, Battler A, Kornowski R.

Clinical profile and outcome of patients with severe aortic stenosis at high surgical risk: Single center prospective evaluation according to treatment assignment.

Catheter Cardiovasc Interv. 2012

c) Submitted for publication

B.2. CASE REPORTS

a) Published

- 1) Shapira Y, Mor F, Friedler A, Wysenbeek AJ, Weinberger A.
Antiproteinuric effect of captopril in a patient with lupus nephritis and intractable nephrotic syndrome.
Ann Rheum Dis 1990; 49: 725-7.
- 2) Shapira Y, Strasberg B, Ben-Gal T.
Deglutition syncope with coexistent carotid sinus hypersensitivity.
Chest 1991; 99: 1541-3.
- 3) Jortner R, Demopoulos LA, Bernstein NE, Tunick PA, Shapira Y, Shaked Y, Kronzon I.
Transesophageal echocardiography in the diagnosis of Q-fever endocarditis.
Am Heart J 1994; 128: 827-31.
- 4) Shapira Y, Kusniec J, Birnbaum Y, Strasberg B.
Exercise-induced syncope and Holter-documented asystole in an endurance runner with moderate aortic stenosis.
Clin Cardiol 1996; 19: 71-3
- 5) Feinberg MS, Sagie A, Freimark D, Agranat O, Shapira Y, Smolinski A, Nili M, Vered Z.
Echocardiographic detection of severe prosthetic valvular cloth wear.
Am Heart J 1996; 131: 1229-31.
- 6) Shapira Y, Milo G, Bashara G, Sagie A.
Echocardiographic findings as the main clues in the diagnosis of carcinoid disease.
Cardiovascular Reviews and Reports 2001; 22: 464-6, 481
- 7) Georghiou GP, Shapira Y, Drozd T, Erez E, Raanani E, Vidne BA, Sahar G.
Double-valve Libman-Sacks endocarditis: An entity that demands special consideration
J Heart Valve Dis 2003; 12: 797-801
- 8) Georghiou GP, Shapira Y, Tobar A, Vidne BA, Sahar G.
Primary cardiac pleomorphic sarcoma: an aggressive tumor.
IMAJ 2005; 7: 470-1.
- 9) Georghiou GP, Shapira Y, Stamler A, Birk E, Berman M, Vidne BA, Sahar G.
Surgical excision of papillary fibroelastoma for known or potential embolization.
J Heart Valve Dis 2005; 14: 843-7.
- 10) Shapira Y, Raanani E, Sagie A
"BioGlue" as a possible cause of acute blocked mechanical mitral valve leaflet
J Cardiovasc Surg 2006; 47: 581-3.

B.3. Review Articles

a) Published

1) י. שפירא, א. שגיא, ר. פז.
 הלב הספורטאי או : היכן עובר הגבול בין תגובת הסתגלות בריאה לבין מחלת לב.
 חלק א': השינויים המתחוללים בלב עקב פעילות גופנית סדורה, והמנגנונים
 המביאים להתפתחות הלב הספורטאי.
 הרפואה תשנ"ח; כרך קל"ה: 610-614

1) Shapira Y, Sagie A, Paz R. Athlete's heart, or: where is the cut-off point between a healthy adaptive response and heart disease?
 Part A: heart response to regular physical activity, and pathophysiology of athlete's heart.
 Harefua 1998; 135: 610-614

2) י. שפירא, א. שגיא, ר. פז.
 הלב הספורטאי או : היכן עובר הגבול בין תגובת הסתגלות בריאה לבין מחלת לב.
 חלק ב': הגבול בין תגובה פיסיולוגית לאימון לבין מחלת לב, והשפעה לטווח
 הארוך של פעילות גופנית נמרצת.
 הרפואה תשנ"ט; כרך קל"ו: 42-46

2) Shapira Y, Sagie A, Paz R.
 Athlete's heart, or: where is the cut-off point between a healthy adaptive response and heart disease?
 Part B: the cut-off point between a normal adaptive process to training and heart disease, and the long-term effect of intensive physical activity.
 Harefua 1999; 136: 42-46

3) Shapira Y, Herz I, Sagie A.
 Fluoroscopy of prosthetic heart valves: does it have a place in the echocardiography era?
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- 1) Eyal A, Raanani, E, Shapira Y, Agmon Y
Pre-operative Systolic Anterior Motion of the Mitral Valve in a Patient Undergoing Mitral Valve Repair
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B.4. Chapters in Books

- 1) Shapira Y, Bar Y, Berkenstadt H, Atsmon J, Danon YL.
Outline of hospital organization for a chemical warfare attack.
In Danon YL, Shemer J (eds.): Chemical warfare medicine. Aspects and perspectives from the Persian Gulf War. Jerusalem: Gefen Publishing House Ltd., 1994, pp 144-151.
- 2) Shapira Y, Marganitt B, Roziner I, Shochet T, Bar Y, Shemer J.
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- 3) Sagie A, Shapira Y. Cardiogenic Shock Related to Valvular Heart Disease. In: Hasdai D, Berger PB, Battler A, Holmes DR, Eds. Contemporary Cardiology: Cardiogenic Shock: Diagnosis and Treatment, Humana Press Inc., Totowa, NJ, 2002. pp. 153-180.

D.1. Invited papers in scientific meetings:

- 1) Shapira Y:
Prosthetic valve malfunction
Israeli Society of Echocardiography
Tel-Aviv, January 2003

- 2) Shapira Y:
Prosthetic valve emergencies.
Joint symposium of Israeli Society of Echocardiography and Israeli Society of Intensive Cardiac Care
Ramat Gan, 2003.

- 3) Shapira Y:
Initial Clinical Experience with Hand – Held Device (Thrombocheck©) for the Detection of Prosthetic Valve Malfunction.
Israeli Society of Echocardiography
Tel-Aviv, February 2005

- 4) Shapira Y:
Intra-operative trans-esophageal echocardiography
Update in internal medicine,
Rabin Medical Center, June 2005

- 5) Shapira Y:
Intra-operative TEE in mitral valve repair
Mitral valve repair and hand on
Rabin Medical Center, February 2007

- 6) Shapira Y:
New guidelines on aortic valve diseases.
Israeli Society of Echocardiography and Society of Cardiac Surgeons.
Sheba Medical Center, Israel 2008.

- 7) Shapira Y:
Obstructive valve thrombosis.
Acute Cardiac Care Congress,
Versailles, France 2008

- 8) Shapira Y:
Is AVR justifiable in asymptomatic patients with severe aortic stenosis?
Heart Valve Symposium
Sheba Medical Center, Israel 2009.

9) Shapira Y:

Echocardiographic assessment of the mitral valve.
Mitral Valve workshop for cardiac surgeons.
Neve Ilan, Israel 2010

10) Shapira Y

Intraoperative TEE in valve replacement operations
Joint meeting of The Israeli working group on Echocardiography and Israel
Society of Cardiothoracic Surgery, Tel-Aviv, 2010

11) Shapira Y

Intra-operative TEE
Heart-surgery nurses symposium
Herzlia, Israel 2011

12) Shapira Y

Echocardiographic assessment of the aorta.
Aorta workshop for cardiac surgeons.
Haifa, Israel 2011

13) Shapira Y

Intraoperative TEE in the cath-lab:
Perivalvular leak
Tel Aviv, Israel

D.2. papers presented in scientific meetings:

1. Shapira Y, Sclarovski S, Solodki A, Strasberg B, Mager A, Kusniec J.
Incidence and timing of re-ischemic events in patients with acute myocardial infarction receiving or not receiving thrombolytic therapy.
Annual Meeting of Israel Heart Society, Jerusalem, Israel, 1990.
2. Shapira Y, Battler B, Eldar M, Scheinowitz M, Neuman M.
Enhancement of atherosclerotic plaque carotenoid content using beta carotene stereoisomer mixture.
Annual Meeting of Israel Heart Society, Tel-Aviv, Israel, 1991.
3. Shapira Y, Marganitt B, Roziner I, Shochet T, Bar Y, Shemer J.
Willingness of staff to report to their hospital duties following an unconventional missile attack: a state-wide survey.

A: Annual Meeting of American Public Health Association, Atlanta, Georgia, USA, 1991.

B: Annual Meeting of Israel Medical Association, Jerusalem, Israel, 1992.

C: International Conference on Emergency Civilian Medical Services in a Non-conventional War, Tel-Aviv, Israel, 1992.
4. Shapira Y, Kusniec J, Birnbaum Y, Strasberg B.
Exercise-induced syncope and Holter-documented asystole in an endurance runner with moderate aortic stenosis.
Annual Meeting of Israel Heart Society, Tel-Aviv, Israel, 1994.
5. Shapira Y, Wurzel M.
Abnormal diastolic unopacified blood front: a useful marker of mitral stenosis.
Annual Meeting of Israel Heart Society, Tel-Aviv, Israel, 1995.
6. Shapira Y, Wurzel M, Hirsch R, Teplitski I.
Systolic rightward displacement of the left anterior descending artery: a novel cineangiographic sign for tricuspid regurgitation.
Annual Meeting of Israel Heart Society, Tel-Aviv, Israel, 1995.

7. Shapira Y, Feinberg MS, Hirsch R, Sagie A.
Long term (≥ 20 years) clinical and Echocardiographic Follow-up of Patients with Fully Covered Starr-Edwards Prosthetic Valves.

A: Fifth international conference on non-invasive cardiology, Tel-Aviv, Israel, 1995.

B: Annual Meeting of Israel Heart Society, Tel-Aviv, Israel, 1996.
8. Shapira Y, Porter A, Wurzel M, Sagie A.
Evaluation of Tricuspid Regurgitation Severity: Echocardiographic and Clinical Correlation.

A: Ninth annual meeting of the Mediterranean association of cardiology and cardiac surgery, Tel-Aviv, Israel, 1996.

B: Forty sixth annual scientific session of the American College of Cardiology, Anaheim, California, 1997.

C: Annual Meeting of Israel Heart Society, Jerusalem, Israel, 1997.
9. Porter A, Shapira Y, Wurzel M, Vaturi M, Sahar G, Sagie A.
Tricuspid Regurgitation Late After Mitral Valve Replacement: Clinical and Echocardiographic Evaluation.

A: Ninth annual meeting of the Mediterranean association of cardiology and cardiac surgery, Tel-Aviv, Israel, 1996.

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10. Vaturi M, Abramov GA, Porter A, Shapira Y, Sclarovsky S, Sagie A.
Brain Natriuretic Peptide in Patients with Significant Valvular Heart Disease.
Ninth annual meeting of the mediterranean association of cardiology and cardiac surgery, Tel-Aviv, Israel, 1996.
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Prosthetic heart-valve thrombosis: a 3-year experience.
Annual Meeting of Israel Heart Society, Jerusalem, Israel, 1997.

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Mid-term clinical and echocardiographic follow-up of patients with CarboMedics® valves in the tricuspid position.
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- B: Sixth international conference on non-invasive cardiology, Jerusalem, Israel, 1998
- C: World Symposium on Heart Valve Disease, London, 1999.
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The natural history of aortic valve disease after mitral valve surgery.
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- B: Annual Meeting of Israel Heart Society, Jerusalem, Israel, 1998.
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- A: Annual Meeting of Israel Heart Society, Jerusalem, Israel, 1998.
- B: 20th Congress of the European Society of Cardiology, Vienna, Austria, 1998
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- 15) Adler Y, Shochat-Zabarski, R Vaturi M , Shapira Y, Assali A, Ehrlich S, Jortner R, Sagie A.
The association between mitral annulus calcium and aortic atheromas: a transesophageal echocardiographic study.
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- B: 21st Congress of the European Society of Cardiology, Barcelona, Spain, 1999
- C: 72nd scientific sessions of the American Heart Association, Atlanta, Georgia, 1999.
- 18) Shapira Y. Athlete's Heart: The special and the different.
Fifteenth International Symposium on Sports Medicine, Jerusalem, Israel, 1999.
- 19) Adler Y, Kramer M, Shapira Y, Goldenberg-Cohen N, Shmuely H, Yassur Y, Sagie A.
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- 20) Shapira Y, Hirsch R, Herz I, Birnbaum Y, Sagie A.
Pharmacological treatment of stuck mechanical tricuspid valves: beyond the immediate results.
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- 21) Shapira Y, Vaturi M, Fuhrer A, Adler Y, Sclarovsky S, Sagie A.
The electrocardiogram in significant aortic stenosis. Clinical and echocardiographic relations.
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- 22) Sagie A, Adler Y, Vaturi M, Herz I, Iakobishvili Z, Shapira Y, Toaf J, Fink N, Battler A.
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- B. Congress of the European Society of Cardiology, Berlin, Germany, 2002.
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- 26) Weisenberg D, Nili M, Shapira Y, Vidne BA, Sagie A
Mitral valve repair in 48 patients with degenerative disease: mid-term clinical and echocardiographic follow-up.
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- 29) Shapira Y, Vaturi M, Rot G, Sagie A. Can the tricuspid inflow E wave reflect tricuspid regurgitation severity?
Annual Meeting of Israel Heart Society, Jerusalem, Israel, 2001.
- 30) Shapira Y, Gideon G, Vaturi M, Avnery-Hamburger O, Vidne BA, Sagie A.
Outcome of tricuspid annuloplasty: an echocardiographic study
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- 33) Shapira Y, Vaturi M, Perlmutter M, Sagie A. Feasibility of 2-dimensional bileaflet valve imaging: a prospective transthoracic echocardiographic study.
- A: 1st Biennial Meeting of the Society for Heart Valve Disease, London, 2001.
- B: Annual Meeting of Israel Heart Society, Jerusalem, Israel, 2001.
- 34) Vaturi M, Shapira Y, Klein P, Weisenberg DE, Sagie A. Paravalvular leak in prosthetic valves – characteristics and possible predictors of mechanical hemolysis Annual Meeting of Israel Heart Society, Jerusalem, Israel, 2001.
- 35) Iakobishvili Z, Golovchiner G, Katz A, Cohen-Liel N, Kuzniec J, Strasberg B, Shapira Y, Sagie A. Automatic implantable cardioverter defibrillator leads do not worsen tricuspid regurgitation severity. Annual Meeting of Israel Heart Society, Jerusalem, Israel, 2001.
- 36) Shapira Y, Vaturi M, Raanani E, Sahar G, Aravot D, Snir E, Vidne BA, Sagie A. The Value of Intraoperative Transesophageal Echocardiogram in Heart Valve Replacement
- A. Annual Meeting of Israel Heart Society, Tel-Aviv, Israel, 2002
- B. EuroEcho 6, Munich, Germany, 2002
- 37) Shapira Y, Vaturi M, Sagie A. The safety and efficacy of repeated thrombolytic courses in patients with stuck mitral valves not fully responsive to initial thrombolytic course. Annual Meeting of Israel Heart Society, Tel-Aviv, Israel, 2002.
- 38) Shmuely H, Vaturi M, Shapira Y, Passaro DJ, Pitlik S, Yahav J, Samra Z, Niv Y, Koren R, Sagie A. Relationship between helicobacter pylori caga positive status and aortic atheroma assessed by transesophageal echocardiography Annual Meeting of Israel Heart Society, Tel-Aviv, Israel, 2002.
- 39) Vaturi M, Shapira Y, Oron A, Vaknin H, Sagie A. Echocardiographic markers of symptomatic severe tricuspid regurgitation Annual Meeting of Israel Heart Society, Tel-Aviv, Israel, 2002.

- 40) Lev EI, Shapira Y, Vaturi M, Sagie A. The value of exercise echocardiography in rheumatic mitral stenosis patients with and without significant mitral regurgitation
Annual Meeting of Israel Heart Society, Tel-Aviv, Israel, 2002.
- 41) Sahar G, Kuint R, Sagie A, Shapira Y, Kogan A, Berman M, Shmueli H, Vidne BA. The use of mechanical versus bioprostheses for aortic valve replacement in the elderly: long term results
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- 43) Vaturi M, Molad Y, Shapira Y, Levine N, Sulkes J, Battler A, Sagie A. Left-sided Valve Calcification in SLE: The Association with Disease-related Damage and Premature Atherosclerotic Vascular Morbidity
Annual Meeting of Israel Heart Society, Tel-Aviv, Israel, 2003.
- 44) Haim M, Shapira Y, Vaturi M, Battler A, Reshef T, Shmueli H, Mekori YA, Sagie A. Interleukin-18 Serum Concentration is Associated with Thoracic Atheroma Thickness. A Trans-esophageal Echocardiography Study
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- 45) Sharoni E, Raanani E, Sagie A, Brauner AR, Shapira Y, Kogan A, Kornowsky R, Vidne BA. Plastic Surgical Reconstruction of Ostial Left Main Coronary Artery Stenosis
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- 46) Kluck O, Berman M, Kogan A, Sahar G, Shapira Y, Vidne BA, Sagie A. Are Mitral Annulus Calcifications and Aortic Valve Sclerosis Predictors for Stroke and mortality after CABG
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- 47) Sahar G, Ben Gal T, Sahar Y, Berman M, Kogan A, Shapira Y, Sagie A, Aravot D, Vidne BA. Sternal Wound Infection Post Heart Tx – a Surgical Puzzle
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48) Raanani E, Kogan A, Georghiou GP, Belcev A, Shapira Y, Sagie A, Vaturi M, Vidne BA. Deep Hypothermia Circulatory Arrest Combined with Retrograde Cerebral Perfusion is Safe in Aortic Arch Surgery
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51) Shapira Y, Vaturi M, Strasberg B, Hasdai D, Porter A, Battler A, Sagie A. Mid-term Follow-up After Thrombolytic Therapy for Obstructive Prosthetic Mitral Valve Thrombosis
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52) Raanani E, Golovchiner G, Kogan A, Sahar G, Strasberg B, Mazur A, Sagie A., Shapira Y, Fridman M, Vidne BA. Left Atrial Radio Frequency Ablation for Patients with Atrial Fibrillation Undergoing Mitral Surgery
Annual Meeting of Israel Heart Society, Tel-Aviv, Israel, 2003.

53) Shapira Y, Vaturi M, Raanani E, Sahar G, Snir E, Battler A, Vidne B.A, Sagie A. The Usefulness of Intraoperative Transesophageal Echocardiogram in 482 Open Heart Operations: a 3-Year Experience from a Tertiary Center
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57) Zingerman A, Sagie A, Solodky A, Mats I, Shapira Y, Mansur M, Kramer MR, Battler A, Zafrir N.

Correlation between Right Ventricular Function and Functional Capacity in Patients with Primary Pulmonary Hypertension by Comparative Echocardiographic and Nuclear Study

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60) Haim M, Shapira Y, Vaturi, Qasim H, Hasdai D, Battler A, Sagie A.

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Surgical Experience with Left Ventricular Free Wall Rupture

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Clinical Characteristics and Mortality of Patients with Significant Tricuspid Regurgitation

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Prosthetic Valve Imaging with Life Three Dimensional Echocardiography

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C: Euroecho9, Florence, Italy 2005.

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4th World Congress of Pediatric Cardiology and Cardiac Surgery, Buenos Aires, Argentina, 2005.

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