

CURRICULUM VITAE

Name: Shmuel Schwartzberg

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Faculty/Dept: Sackler Faculty of Medicine, Tel Aviv University/Cardiology

Hospital/Dept:

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Tel Aviv 6937116, Israel

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Date & Place of Birth: 11/12/1970, Yassi, Romania

Date of Arrival in Israel: 1981

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|--------------------------|-------------|--------------|------------------------|
| ZAHAL (Israeli) | <u>1996</u> | <u>2009</u> | MEDICAL OFFICER |
| Military Service: | (Enlisted) | (Discharged) | RANK: MAJOR |

Marital Status: Married, 3 children

A. EDUCATION

PERIODS OF STUDIES

1988-1994 Hebrew University Medical School, Jerusalem, Israel
Subject: Medicine

1996 **MD degree**
Title of Doctoral Dissertation: Diclofenac sodium influence in rats with ureteral obstruction
Supervisors: Prof. Dov Pode and Dr. Ofer Gofrit, Department of Urology, Hadassah Medical Center, Jerusalem, Israel
Date Awarded: June 26, 1996
MD License No.: 28412

2006 Internal Medicine Specialization Examination [**Cum Laude**]
Specialist License No.: 22351

2010 Cardiology Specialization Examination
Specialist License No.: 1-28459

B. FURTHER STUDIES

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|------------|---|
| March 1995 | USMLE Step 2 Clinical Science |
| Sep 1995 | USMLE Step 1 Basic Science |
| Sept 1996 | ECFMG certification, validated permanently [Certificate no. 0-470-816-0] |
| 2008 | ATLS certification |
| 2008 | PALS certification |
| July 2010 | Graduate of Heart Failure Fellowship Program, Mayo Clinic, Rochester MN, USA |
| Jan 2012 | USMLE Step 2 Clinical Skills |
| Jul 2012 | USMLE Step 3 |
| 2012 | ACLS certification |
| July 2014 | Graduate of Clinical and Research Fellowship in Clinical Cardiac Echocardiography, Echocardiology Laboratory, Massachusetts General Hospital, Boston, MA, USA |

C. ACADEMIC & PROFESSIONAL ACTIVITIES & ACHIEVEMENTS

C.1. Academic Experience:

| | |
|------------|---|
| 2008-2009 | Lecturer and Instructor (Cardiology and Internal Medicine) to medical students and Paramedics, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel |
| 2010-2011 | Lecturer and Instructor (Cardiology) to medical students Kaplan Medical Center, affiliated with Hebrew University, Israel |
| 2010-2011 | Co-Director of Cardiology web information portal (Tapuz) at the Sourasky Medical Center, Tel Aviv, Israel |
| Since 2014 | Lecturer and Instructor (Cardiology) to medical students and cardiology residents, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel |
| 2014-2017 | Lecturer and Tutor (Cardiology) to medical students Rabin Medical Center, affiliated with Tel Aviv University, Israel |
| 2018 | Lecturer at Caesarea Israeli Cardiology Boards Preparatory Course |
| 2018-2019 | Reviewer of 2 grant proposals for Tel Aviv University |

C.2. Professional Experience:

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|------------|--|
| 1991-1992 | Nursing, RICU Unit, Hadassah Medical Center, Jerusalem, Israel |
| 1992-1993 | Nursing at ER unit, Hadassah Medical Center, Jerusalem, Israel |
| 1995-1996 | Internship, Sheba Medical Center, Tel Hashomer, Israel |
| 2000-2003 | Resident, Internal Medicine, Department of Medicine Tet, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel |
| 2005-2006 | Resident, Internal Medicine, Department of Medicine Tet, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel |
| 2006-2009 | Resident, Cardiology Department and Senior Physician in Internal Medicine Department Vav, Sourasky Medical Center, Tel Aviv, Israel |
| 2008-2009 | Co-Director of the Internet Cardiology Forum (Tapuz Portal), Sourasky Tel Aviv Medical Center, Tel Aviv, Israel |
| 2009-2010 | Heart Failure Fellowship, Mayo Clinic, Rochester MN, USA |
| 2010-2012 | Senior Cardiologist, Department of Cardiology: <ul style="list-style-type: none">• Kaplan Medical Center, Rehovot, Israel• Rabin Medical Center – Beilinson Hospital, Petach Tikva, Israel• Clalit Health Services HMO, Israel |
| 2012-2014 | Clinical and Research Fellow, Echocardiology Laboratory, Massachusetts General Hospital, Boston, MA, USA |
| Since 2014 | Senior Cardiologist, Rabin Medical Center – Beilinson Hospital, Petach Tikva, Israel |
| Since 2014 | Senior Cardiologist, Clalit Health Services HMO, Israel |

Military Service

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|-----------|---|
| 1997-2000 | Chief of Military Clinic of IDF Airbase [Rank: Captain] |
| 2003-2004 | Head of IDF Personnel Medical Profiling Committee [Rank: Major] |

C3. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS

| Date | Country | Name of Meeting | Role |
|-------------|----------------------|---|---------------------------------|
| 2007 | Tel Aviv, Israel | 54 th Annual Congress of the Israel Heart Society | Oral presentation |
| 2007 | Tel Aviv, Israel | ILSI-Biomed Congress, Israel Life Sciences Industry | Poster |
| 2008 | Tel Aviv, Israel | 55 th Annual Congress of the Israel Heart Society | Poster |
| 2009 | Tel Aviv, Israel | ILSI-Biomed Congress, Israel Life Sciences Industry | Poster |
| 2009 | Tel Aviv, Israel | 56 th Annual Congress of the Israel Heart Society | Oral presentation, 2 Posters |
| 2011 | New Orleans, LA, USA | 60 th Annual Scientific Session of the American College of Cardiology | Oral presentation |
| 2011 | Tel Aviv, Israel | 58 th Annual Congress of the Israel Heart Society | 3 Oral presentations, 3 Posters |
| 2011 | Paris, France | European Society of Cardiology Meeting | Poster |
| 2012 | Tel Aviv, Israel | 59 th Annual Congress of the Israel Heart Society | 3 Posters |
| 2013 | Minneapolis, MN, USA | 24 th Annual Scientific Session of the American Society of Echocardiography | 2 Posters |
| 2014 | Washington DC, USA | 63 rd Annual Scientific Session of the American College of Cardiology | Poster |
| 2014 | Boston, MA, USA | 67 th Annual Meeting of the Massachusetts General Hospital Scientific Advisory Committee | Poster |
| 2014 | Portland, OR, USA | 25 th Annual Scientific Session of the American Society of Echocardiography | Poster |
| 2015 | London, England, UK | European Society of Cardiology Meeting | Poster |
| 2015 | Tel Aviv, Israel | 63 rd Annual Congress of the Israel Heart Society | Posters |

C3. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS

| Date | Country | Name of Meeting | Role |
|-------------|-------------------------|---|---------------------------|
| 2015 | Tel Aviv, Israel | Meeting of the Israeli Echocardiography and Heart Failure Working groups <i>Pitfalls in echocardiographic assessment of patients with heart failure with preserved ejection fraction</i> | Invited Speaker |
| 2016 | Tel Aviv, Israel | 63 rd Annual Congress of the Israel Heart Society | Oral presentation |
| 2016 | Tel Aviv, Israel | Meeting of the Israeli Intensive Cardiac Care and Heart Failure Working Groups <i>Oral Anticoagulation in Patients with Atrial Fibrillation and End Stage Renal Disease</i> | Invited Speaker |
| 2016 | Tel Aviv, Israel | Meeting of the Israeli Heart Failure Working Group and Echocardiography | Oral case presentation |
| 2016 | Leipzig, Germany | EuroEcho-Imaging | Poster |
| 2017 | Zichron Ya'acov, Israel | Joint Meeting of the Israeli Electrophysiology, Echocardiography, and Heart Failure Working Groups <i>Major Advancements in Cardiac Electrophysiology and Heart Failure and Valvular Heart Disease</i> | Oral case presentation |
| 2017 | Monte-Carlo, Monaco | Heart Valve Society International 3 rd Scientific Meeting | Oral presentation |
| 2017 | Tel Aviv, Israel | 64 th Annual Congress of the Israel Heart Society | 2 Oral presentations |
| 2017 | Lisbon, Portugal | EuroEcho-Imaging 2017 | Oral presentation, Poster |
| 2018 | New York City, NY, USA | Heart Valve Society International 4 th Scientific Meeting | Poster |
| 2018 | Tel Aviv, Israel | 65 th Annual Congress of the Israel Heart Society | Poster |
| 2019 | Siges, Spain | Heart Valve Society International 5 th Scientific Meeting | Poster |
| 2019 | Tel Aviv, Israel | 66 th Annual Congress of the Israel Heart Society | Oral presentation |

C3. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS

| Date | Country | Name of Meeting | Role |
|----------|-----------------|--------------------------------------|----------|
| 2019 | Vienna, Austria | EuroEcho Imaging 2019 | Poster |
| Aug 2020 | Virtual | ESC Congress, The Digital Experience | e-poster |

C4. MEMBERSHIP IN PROFESSIONAL SOCIETIES

| Years (period) | Name of Organization |
|----------------|--|
| 2010 | Israeli Heart Society (HIS) |
| 2011 | European Society of Cardiology (ESC) |
| 2011 | American College of Cardiology (ACC) |
| 2012 | Massachusetts Medical Society (MMS) |
| 2013 | American society of Echocardiography |
| 2015 | European Association of Cardiovascular Imaging |
| 2016 | International Heart Valve Society |

D. DOCTORAL STUDENTS MENTORED BY CANDIDATE

| Years (period) | Name of Student | Subject | Academic Institute | PhD/ MD |
|----------------|--------------------------|--|--------------------|-----------|
| 2008 | Yossi Ben-Shoshan | <i>Differential predictive power of endothelial progenitor cell phenotypes in acute coronary syndromes</i> | TAU | MD |

G. AWARDS

- 2008-2009 Awarded "Distinguished Lecturer" for medical students, Tel Aviv University, Tel Aviv, Israel
- 2009 Israeli Heart Society Scholarship for fellowship program at Mayo Clinic, USA
- 2013 ACC Geriatric Cardiology Travel Scholarship for participation of ACC.13 Conference

SCIENTIFIC PUBLICATIONS

B.1. ORIGINAL ARTICLES

B.1. Articles Published

1. **Schwartzberg S**, Deutsch V, Maysel-Auslender S, Kissil S, Keren G, George J.
Circulating apoptotic progenitor cells: a novel biomarker in patients with acute coronary syndromes.
Arterioscler Thromb Vasc Biol. 2007;27(5):e27-31.
(Peripheral Vascular Disease 7/65, Q1, IF 6.604, No. of Citations 27)
2. Sade K, Schwartz IF, Etkin S, **Schwartzberg S**, Levo Y, Kivity S.
Expression of inducible nitric oxide synthase in a mouse model of anaphylaxis.
J Investig Allergol Clin Immunol. 2007;17(6): 379-85.
(Immunology 77/158, Q2, IF 3.488, No. of Citations 12)
3. Geft D*, **Schwartzberg S***, Rogowsky O, Finkelstein A, Ablin J, Maysel-Auslender S, Wexler D, Keren G, George J.
(*Equal contribution).
Circulating apoptotic progenitor cells in patients with congestive heart failure.
PLoS One. 2008;3(9): e3238.
(Multidisciplinary Sciences 27/71, Q2, IF 2.74, No. of Citations 21)
4. Ablin JN, Goldstein Z, Aloush V, Matz H, Elkayam O, Caspi D, **Schwartzberg S**, George J, Wohl Y.
Normal levels and function of endothelial progenitor cells in patients with psoriatic arthritis.
Rheumatol Int. 2009;29(3):257-62.
(Rheumatology 24/32, Q3, IF 1.984, No. of Citations 16)
5. Finkelstein A*, **Schwartzberg S***, Bar L, Levy Y, Halkin A, Herz I, Bazan S, Massachi R, Banai S, Keren G, George J.
(*Equal contribution).
Comparative efficacy analysis of an aspiration device before primary angioplasty in patients with acute myocardial infarction: a single-center experience.
Isr Med Assoc J. 2010;12(11):692-696.
(Medicine, General & Internal 129/165, Q4, IF 0.86, No. of Citations 0)
6. **Schwartzberg S**, Redfield M, From A, Sorajja P, Nishimura R, Borlaug B.
Effects of vasodilation in heart failure with preserved or reduced ejection fraction implications of distinct pathophysiologies on response to therapy.
J Am Col Cardiol. 2012;59:442-51.
(Cardiac & Cardiovascular Systems 3/128, Q1, IF 20.589, No. of Citations 178)

B.1. Articles Published

7. **Schwartzberg S**, Bendery M, Malnick S, Caspi A, George J, Goland S. The "obesity paradox": does it persist among Israeli patients with decompensated heart failure? A subanalysis of the Heart Failure Survey in Israel (HFSIS). J Card Fail. 2012;18(1):62-7.
(Cardiac & Cardiovascular Systems 52/138, Q2, IF 3.435, No. of Citations 11)
8. George J*, **Schwartzberg S***, Medvedovsky D, Jonas M, Charach G, Afek A, Shamiss A.
(*Equal contribution).
Regulatory T cells and IL-10 levels are reduced in patients with vulnerable coronary plaques.
Atherosclerosis. 2012;222(2):519-23.
(Peripheral Vascular Disease 16/65, Q1, IF 3.919, No. of Citations 55)
9. **Schwartzberg S**, Meldin V, Zilberman L, Goland S, George J, Shimoni S. Low circulating monocyte count is associated with severe aortic valve stenosis.
Isr Med Assoc J. 2013;15(9):500-4.
(Medicine, General & Internal 129/165, Q4, IF 0.86, No. of Citations 3)
10. Goland S, **Schwartzberg S**, Fan J, Kozak N, Khatri N, Elkayam U. Monitoring of anti-Xa in pregnant patients with mechanical prosthetic valves receiving low-molecular-weight heparin: peak or trough levels?
J Cardiovasc Pharmacol Ther. 2014;19(5):451-6.
(Cardiac & Cardiovascular Systems 71/138, Q3, IF 2.322, No. of Citations 21)
11. Codner P, Orvin K, Assali A, Sharony R, Vaknin-Assa H, Shapira Y, **Schwartzberg S**, Bental T, Sagie A, Kornowski R. Long-Term Outcomes for Patients With Severe Symptomatic Aortic Stenosis Treated With Transcatheter Aortic Valve Implantation.
Am J Cardiol. 2015;116(9):1391-8.
(Cardiac & Cardiovascular Systems 63/138, Q2, IF 2.57, No. of Citations 21)
12. Landes U, Orvin K, Codner P, Assali A, Vaknin-Assa H, **Schwartzberg S**, Levi A, Shapira Y, Sagie A, Kornowski R. Urgent Transcatheter Aortic Valve Implantation in Patients With Severe Aortic Stenosis and Acute Heart Failure: Procedural and 30-Day Outcomes.
Can J Cardiol. 2016 Jun;32(6):726-31.
(Cardiac & Cardiovascular Systems 27/138, Q1, IF 5.0, No. of Citations 20)

B.1. Articles Published

13. Witberg G, Barsheshet A, Assali A, Vaknin-Assa H, Shaul AA, Orvin K, Vaturi M, **Schwartzberg S**, Shapira Y, Sagie A, Kornowski R. Aortic Valve Gradient and Clinical Outcome in Patients Undergoing Transcatheter Aortic Valve Implantation for Severe Aortic Stenosis. *Cardiology*. 2016;134(2):128-35.
(Cardiac & Cardiovascular Systems 93/138, Q3, IF 1.791, No. of Citations 1)
14. Levi A, Landes U, Assali AR, Orvin K, Sharony R, Vaknin-Assa H, Hamdan A, Shapira Y, **Schwartzberg S**, Codner P, Shaul AA, Vaturi M, Gutstein A, Sagie A, Kornowski R. Long-Term Outcomes of 560 Consecutive Patients Treated With Transcatheter Aortic Valve Implantation and Propensity Score-Matched Analysis of Early- Versus New-Generation Valves. *Am J Cardiol*. 2017 Jun 1;119(11):1821-1831.
(Cardiac & Cardiovascular Systems 63/138, Q2, IF 2.57, No. of Citations 12)
15. Itzhaki Ben Zadok O, Sagie A, Vaturi M, Shapira Y, **Schwartzberg S**, Kuznitz I, Shochat T, Bental T, Yedidya I, Aravot D, Kornowski R, Sharony R. Long-Term Outcomes After Mitral Valve Replacement and Tricuspid Annuloplasty in Rheumatic Patients. *Ann Thorac Surg*. 2019 Feb;107(2):539-545.
(Surgery 34/210, Q1, IF 3.639, No. of Citations 4)
16. **Schwartzberg S**, Kornowski R, Shapira Y, Assali A, Vaturi M, Perl L, Vaknin-Assa H, Sagie A. Long-term Israeli Single-Center Experience with the Percutaneous MitraClip Procedure. *Isr Med Assoc J*. 2019 May;5(21):308-313.
(Medicine, General & Internal 129/165, Q4, IF 0.86, No. of Citations 0)
17. **Schwartzberg S**, Sagie A, Shapira Y, Monakier D, Yedidya I, Ofek H, Kazum S, Kornowski R, Vaturi M. Echocardiographic assessment of aortic stenosis under sedation underestimates stenosis severity. *J Am Soc Echocardiogr*. 2019 Sep;32(9):1051-1057.
(Cardiac & Cardiovascular Systems 21/138, Q1, IF 5.508, No. of Citations 1)
18. Itzhaki Ben Zadok O, Eisen A, Shapira Y, Monakier D, Iakobishvili Z, **Schwartzberg S**, Abelow A, Ofek H, Kazum S, Ben-Avraham B, Hamdan A, Bental T, Sagie A, Kornowski R, Vaturi M. Natural History and Disease Progression of Early Cardiac Amyloidosis Evaluated by Echocardiography. *Am J Cardiol*. 2020 Oct 15;133:126-133.

(Cardiac & Cardiovascular Systems 63/138, Q2, IF 2.57, No. of Citations 0)

B.1. Articles Accepted

19. Witberg G, Kornowski R, Vaknin-Assa H, Codner P, Bental T, Yahav D, Goldberg E, Perl L, **Schwartzberg S**, Sagie A, Orvin K. Temporary Trends in Fever Following Transcatheter Aortic Valve Implantation. *Cardiology*. Sep 2020.
(Cardiac & Cardiovascular Systems 93/138, Q3, IF 1.791)
20. Witberg G, Codner P, Landes U, **Schwartzberg S**, Barbanti M, Valvo R, De Backer O, Ooms JF, Islas F, Marroquin L, Sedaghat A, Sugiura A, Masiero G, Werner P, Armario X, Fiorina C, Arzamendi D, Santos-Martinez S, Fernández-Vázquez F, Baz JA, Steblovnik K, Mauri V, Adam M, Merdler I, Hein M, Ruile P, Grasso C, Branca L, Estévez-Loureiro R, Benito-González T, Amat-Santos M, Mylotte D, Andreas M, Bunc M, Tarantini G, Sinning JM, Nombela-Franco L, Sondergaard L, Van Mieghem NM, Finkelstein A, Kornowski R. Effect of Transcatheter Aortic Valve Replacement on Concomitant Mitral Regurgitation and Its Impact on Mortality - Data from the International Aortic+Mitral TRAnsCatheter (AMTRAC) Valve Registry. *JACC: Cardiovascular Interventions*. Feb 2021.
(Cardiac & Cardiovascular Systems 11/138, Q1, IF 8.432)

| Internal Medicine | | Current Data (year) | | | Original Data (year) | | |
|--------------------------|--|----------------------------|-------------|-----------------|-----------------------------|-------------|-----------------|
| No. | Journal | IF | Rank | Quartile | IF | Rank | Quartile |
| 1. | Arteriosclerosis, thrombosis, and vascular biology | 6.604 | 7/65 | Q1 | 7.221 | 3/54 | Q1 |
| 3. | PLoS One | 2.74 | 27/71 | Q2 | N/A | N/A | N/A |
| 5. | The Israel Medical Association journal | 0.86 | 129/165 | Q4 | 0.953 | 84/153 | Q3 |

Shmuel Schwartzberg, MD**CV updated: February 2021**

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|-----|---|--------|---------|----|--------|---------|----|
| 6. | Journal of the American College of Cardiology | 20.589 | 3/128 | Q1 | 14.086 | 3/124 | Q1 |
| 7. | Journal of cardiac failure | 3.435 | 52/138 | Q2 | 3.320 | 37/124 | Q2 |
| 8. | Atherosclerosis | 3.919 | 16/65 | Q1 | 3.706 | 15/68 | Q1 |
| 9. | The Israel Medical Association journal | 0.86 | 129/165 | Q4 | 0.903 | 93/156 | Q3 |
| 16. | The Israel Medical Association journal | 0.86 | 129/165 | Q4 | 0.86 | 129/165 | Q4 |
| 17. | Journal of the American Society of Echocardiography | 5.508 | 21/138 | Q1 | 5.508 | 21/138 | Q1 |

B.2. CASE REPORTS

B.2. Case Reports Published

1. **Schwartzberg S**, Levo Y, Averbuch M.
Generalized vasculitis, thrombocytopenia, and transient lymphoproliferative disorder caused by idiopathic mixed cryoglobulinemia.
Am J Med Sci. 2003 Jul;326(1):47-50.
2. **Schwartzberg S**, Sorajja P.
Cardiac tamponade or normal respiratory variation? An illustrative case of septal ablation for obstructive hypertrophic cardiomyopathy.
Catheter Cardiovasc Interv. 2010;76:901-6.
3. **Schwartzberg S**, Perlman S, Levy R, Goland S.
Mechanical Heart Valve Thrombosis In Pregnancy.
J Heart Valve Dis. 2013;22:603-6 .
4. **Schwartzberg S**, Passeri JJ.
An intriguing finding in the right atrium. Prominent Eustachian valve.
Heart. 2014;100:1695, 1714.
5. Baggett MV, Turbett SE, **Schwartzberg S**, Stone JR.
Case 5-2014: A 59-Year-Old Man with Fever, Confusion, Thrombocytopenia, Rash, and Renal Failure.
New Engl J Med. 2014;370:651-60.
6. Fathi AT, Dec GW Jr, Richter JM, Chen YB, **Schwartzberg S**, Holmvang G, Hasserjian RP.
Case 7-2014: A 27-Year-Old Man with Diarrhea, Fatigue, and Eosinophilia.
New Engl J Med. 2014;370:861-72 .
7. **Schwartzberg S**, Herskovitz P, Brauner R, Schnieder N, George J, Shimoni S.
[AORTIC DISSECTION DIAGNOSED BY THE SUPRASTERNAL ECHOCARDIOGRAPHIC VIEW].
Harefuah. 2017 Feb;156(2):84-85. Hebrew.

B.3. REVIEW ARTICLES

B.3. Review Articles Published

1. Shapira S, Eldor E, Berliner S, **Schwartzberg S**.
The usage of low-molecular weight heparin in acute coronary syndromes.
Internal Med Review. 2000;33:11-20.
2. **Schwartzberg S**, Keren G, George J.
Erythropoietin as a protective agent in myocardial ischemia.
Harefuah. 2006; 145:380-3.
3. **Schwartzberg S**, Ben-Shoshan J, George J.
The role of erythropoietin in myocardial protection: potential mechanisms and applications.
Expert Rev Cardiovasc Ther. 2006;4:41-50.
4. Geft D, **Schwartzberg S**, George J.
Circulating endothelial progenitor cells in cardiovascular disorders.
Expert Rev Cardiovasc Ther. 2008;6:1115-21.
5. **Schwartzberg S**, Halkin A, Finkelstein A, Keren G, Banai S.
The no-reflow phenomenon following successful percutaneous coronary intervention.
Harefuah. 2009; 148:157-61.
6. **Schwartzberg S**, Sherez J, Keren G.
Isolated ventricular non-compaction: an underdiagnosed cause of congestive heart failure.
Isr Med Assoc J. 2009;11:426-9.
7. **Schwartzberg S**, Lev EL, Sagie A, Korzets A, Kornowski R.
The Quandary of Warfarin Anticoagulation in Patients with Atrial Fibrillation and Chronic Kidney Disease.
Am J Cardiol. 2016;117(3):477-82.

C. CHAPTERS IN BOOKS

1. Dudzinski DM, **Schwartzberg S**, Upadhyay GA, Hung J.
Role of Transesophageal Echocardiography in Left Atrial Appendage Device Closure.
Interventional Cardiology Clinics. 2014;3:255-80.
2. **Schwartzberg S**, Picard MH.
Ischemic heart disease: basic principles
In: ASE's Comprehensive Echocardiography, 2nd edition.
Editor: Lang MR, Goldstein SA, Kronzon I, Khandheria BK, Mor-Avi V.
Elsevier, Philadelphia, USA; Chapter 48, pp. 209-211, 2015.
3. **Schwartzberg S**, Sagie A.
The Role of 3D Echo in Mitral Clip.
In: Principles of Practical 3D Echocardiography, 1st edition.
Editor: Yosefi C.
Pe'er Hakodesh Ltd., Israel; Chapter 11, pp. 193-208, 2016.

**D.2. PAPERS PRESENTED AT SCIENTIFIC MEETINGS
PUBLISHED AS PROCEEDINGS and D. 3. ABSTRACTS**

1. Schwartzberg S, Mor A, Luboshits G, Planer D, Deutsch V, Keren G, George J.
Early endothelial progenitor cells correlate with circulating CD4CD25 regulatory T cells: a possible cross talk between immunity and angiogenesis?
 - a. 54th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2007
 - b. ILSI-Biomed Congress (Israel Life Science Industry), Tel Aviv, Israel, June 2007.
2. Schwartzberg S, Deutsch V, Maysel-Auslender S, Kissil S, Keren G, George J.
Circulating apoptotic progenitor cells in congestive heart failure.
55th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2008.
3. Schwartzberg S, Deutsch V, Kissil S, Keren G, Maysel-Auslender S, George J.
The emerging role of apoptotic progenitor cells in ACS prognosis.
ILSI-Biomed Congress (Israel Life Science Industry), Tel Aviv, Israel, May 2009.
4. Schwartzberg S, Medvedovsky D, Finkelstein A, Bazan S, Halkin A, Herz I, Banai S, Keren G, George J.
Incidence of no-reflow phenomenon in patients with acute myocardial infarction due to de novo plaque rupture versus stent thrombosis.
56th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2009.
5. Medvedovsky D, Schwartzberg S, Keren G, George J.
Predictors of plaque destabilization in "vulnerable patients".
56th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2009.
6. Schwartzberg S, Kissil S, Maisel-Auslender S, Ben-Shoshan Y, Keren G, George J.
Differential predictive power of endothelial progenitor cell phenotypes in acute coronary syndromes.
56th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2009.
7. Schwartzberg S, Redfield M, From A, Nishimura R, Sorajja P, Borlaug B.
Hemodynamic responses to arterial vasodilation fundamentally differ in heart failure with preserved versus reduced ejection fraction.
 - a. American College of Cardiology 60th Annual Scientific Session, New Orleans, LA, USA, April 2011.
 - b. 58th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, May 2011.

**D.2. PAPERS PRESENTED AT SCIENTIFIC MEETINGS
PUBLISHED AS PROCEEDINGS and D. 3. ABSTRACTS**

8. Schwartzberg S, From A, Nishimura R, Sorajja P, Redfield M, Borlaug B. What distinguishes restrictive cardiomyopathy from heart failure with preserved ejection fraction?
 - a. 58th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, May 2011
 - b. ESC Congress, Paris, France, August 2011.

9. Zilberman L, Schwartzberg S, Shimoni S, Mahadi A, Edri O, Krakoff O, George J, Goland S. Clinical and diagnostic features of Takotsubo cardiomyopathy: The Kaplan Medical Center Experience
58th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, May 2011.

10. Goland S, Schwartzberg S, Mahadi A, Zilberman L, Rozen I, Korbut Z, George J, Shimoni S. Right ventricular function in patients with congestive heart failure
58th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, May 2011.

11. Schwartzberg S, Bendery M, Malnick S, Caspi A, George J, Goland S. The "Obesity Paradox": Does it persist among Israeli heart failure patients? A subanalysis of the heart failure survey in Israel
58th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, May 2011.

12. Livschitz S, Schwartzberg S, Shimoni S, Oetinger M, Levy R, George J, Goland S. Diagnostic value of Tl201 gated SPECT in patients with left ventricular dysfunction.
58th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, May 2011.

13. Schwartzberg S, Meledin V, Zilberman L, Goland S, Jacob G, Shimoni S. Predictive power of white blood cells in patients with aortic stenosis.
59th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2012.

14. Schwartzberg S, Sagie A, Bental T, Shapira Y, Vaturi M. Myxomatous mitral valve disease morphological characteristics: are there any gender disparities?
 - a. 59th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2012
 - b. American Society of Echocardiography 24th Annual Scientific Sessions, Minneapolis, MN, USA, June 2013.

**D.2. PAPERS PRESENTED AT SCIENTIFIC MEETINGS
PUBLISHED AS PROCEEDINGS and D. 3. ABSTRACTS**

15. Zilberman L, Schwartzberg S, Shimoni S, Bar I, Mahadi A, Jonas M, Gendelman G, Jacob G, Goland S.
Cardiac function and inflammatory biomarkers in patients with recovered Takotsubo cardiomyopathy.
59th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2012.
16. Schwartzberg S, Tsiaras S, Picard M.
Persistent left atrial thrombus in patients with atrial fibrillation despite on-target Warfarin therapy.
American Society of Echocardiography 24th Annual Scientific Sessions, Minneapolis, MN, USA, June 2013.
17. Schwartzberg S, Goland S, Sagie A.
An unusual case of cardiac amyloidosis.
American College of Cardiology 63rd Annual Scientific Session, Washington DC, USA, March 2014.
18. Schwartzberg S, Handschumacher MH, Zeng X, Tan TC, Hung J.
New 3D echo-derived morphometric criteria for discriminating between ischemic and non-ischemic cardiomyopathy.
American Society of Echocardiography 25th Annual Scientific Sessions, Portland, OR, USA, July 2014.
19. Schwartzberg S, Handschumacher MH, Zeng X, Tan TC, Hung J.
Differences in LV shape pattern in ischemic versus nonischemic cardiomyopathy.
67th Annual Meeting of the Massachusetts General Hospital Scientific Advisory Committee, Boston, MA, USA, April 2014
20. Park YH, Handschumacher MH, Zeng X, Schwartzberg S, Hung J. Left Ventricular Internal Dimension Measured in Mid-Cavity Rather Than at the Base Correlates Better with Left Ventricular Volume. Insights from Left Ventricular Internal Dimension and Volume Pattern Analyses Using 3D Echocardiography
American Society of Echocardiography 25th Annual Scientific Sessions, Portland, OR, USA, July 2014.
21. Schwartzberg S, Handschumacher MH, Zeng X, Tan TC, Hung J.
LV shape pattern in ischemic and nonischemic cardiomyopathy – Insights from 3D Echo.
European Society of Cardiology Meeting, London, UK, September 2015.

**D.2. PAPERS PRESENTED AT SCIENTIFIC MEETINGS
PUBLISHED AS PROCEEDINGS and D. 3. ABSTRACTS**

22. Schwartzberg S, Sagie A, Kazum S, Vaturi M, Monakier D, Kornowski R, Shapira Y. Complementary TEE to TTE in Aortic Stenosis Severity Assessment – Is there an Added Benefit ?
63rd Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2016, and EuroEcho Imaging 2016, Leipzig, Germany, December 2016.
23. Landes U, Assali A, Sharoni R, Vaknin-Assa H, Orvin K, Levi A, Shapira Y, Schwartzberg S, Hamdan A, Bental T, Sagie A, Kornowski R. Percutaneous Valve-in-Valve Implantation for the Treatment of Aortic, Mitral and Tricuspid Structural Bioprosthetic Valve Degeneration
63rd Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2016.
24. Schwartzberg S, Monakier D, Shapira Y, Vaturi M, Valdman A, Yedidya I, Kazum S, Kornowski R, Sagie A.
The effect of sedation on the assessment of aortic stenosis
64th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2016.
25. Schwartzberg S, Mordehay Vaturi, Daniel Monakier, Alexander Sagie, Ran Kornowski, Yaron Shapira. Incremental Value of Transesophageal Echocardiography Integrated with Transthoracic Echocardiography in the Assessment of Aortic Stenosis Severity.
The Heart Valve Society (HVS) Annual Scientific Meeting, Monte Carlo, Monaco, March 2017.
26. Landes U, Zusman O, Orvin K, Levi A, Witberg G, Lador A, Assali A, Vaknin-Assa H, Sharony R, Hamdan A, Shapira Y, Vaturi M, Schwartzberg S, Sagie A, Kornowski R.
64th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2017.
27. Levi A, Landes U, Assali AR, Hamdan A, Shapira Y, Schwartzberg S, Sharony R, Orvin K, Shaul AA, Vaturi M, Gutstein A, Sagie A, Kornowski R. Long-term outcomes of 560 consecutive patients treated with transcatheter aortic valve implantation and propensity score matched-analysis of early versus new generation valves.
64th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2017.
28. Kazum S, Yedidia I, Ben-Tal T, Shapira Y, Schwartzberg S, Vaturi M, Valdman A, Monakier D, Kornowski R, Sagie A.
Correlations of leaflet-prolapse location with progression of primary mitral regurgitation and left ventricular fractional shortening: an observation echocardiographic study.
64th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2017.

**D.2. PAPERS PRESENTED AT SCIENTIFIC MEETINGS
PUBLISHED AS PROCEEDINGS and D. 3. ABSTRACTS**

29. Vaturi M, Shapira Y, Valdman A, Yedidyah I, Schwartzberg S, Sagie A. Variability in the indexed left atrial volume after exercise among asymptomatic patients with severe degenerative mitral regurgitation. 64th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2017.
30. Schwartzberg S, Vaturi M, Monakier D, Valdman A, Kazum S, Yedidia I, Kornowski R, Sagie A, Shapira Y. Incremental value of aortic stenosis assessment through adjunctive transesophageal echocardiography versus transthoracic echo only in sedated patients.
 - a. 64th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2017.
 - b. EuroEcho Imaging 2017, Lisbon, Portugal, December 2017.
31. Itzhaki Ben Zadok O, Sagie A, Vaturi M, Shapira Y, Schwartzberg S, Kuznitz I, Shochat T, Bental T, Yedidya I, Aravot D, Kornowski R, Sharony R. Long-term tricuspid regurgitation progression in patients undergoing combined mitral valve replacement surgery and tricuspid valve repair. ESC Congress, Munich, Germany, August 2018.
32. Schwartzberg S, Mor M, Shapira Y, Vaturi M, Monakier D, Hamdan A, Sagie A. Left ventricular outflow geometry in aortic stenosis. The Heart Valve Society (HVS) Annual Scientific Meeting, New York, NY, USA, March 2018.
33. Itzhaki Ben Zadok O, Sharony R, Vaturi M, Shapira Y, Bental R, Kuznitz I, Schwartzberg S, Sagie A. Long-term tricuspid regurgitation progression in patients undergoing combined mitral valve replacement surgery and tricuspid valve repair. 65th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2018.
34. Codner P, Landes U, Assali A, Sharoni R, Vaknin-Assa H, Orvin K, Levi A, Shapira Y, Schwartzberg S, Hamdan A, Bental T, Sagie A, Kornowski R. Percutaneous valve-in-valve implantation for the treatment of aortic, mitral and tricuspid structural bioprosthetic valve degeneration. 65th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2018.
35. Levi A, Landes U, Assali AR, Vaknin-Assa H, Codner P, Hamdan A, Shapira Y, Schwartzberg S, Sharony R, Orvin K, Perl L, Vaturi M, Sagie A, Kornowski R. Long-term outcomes of 717 consecutive patients treated with transcatheter aortic valve implantation and propensity score matched-analysis of early versus new generation valves. 65th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2018.

**D.2. PAPERS PRESENTED AT SCIENTIFIC MEETINGS
PUBLISHED AS PROCEEDINGS and D. 3. ABSTRACTS**

36. Haberman D, Kerner A, Poles L, Sudarsky D, Biner S, Fefer P, Koifman E, Wolff R, Schwartzberg S, Goland S, Agmon Y, Beeri R, Shuvy M. Salvage MitraClip in severe functional mitral regurgitation complicating acute myocardial infarction – data from the Israeli Mitraclip Registry (IMCR). 66th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2019.
37. Schwartzberg S, Nassar M, Shapira Y, Vaturi M, Yedidya I, Ofek H, Kazum S, Monakier D, Kornowski R, Hamdan A, Sagie A. Comparison of aortic stenosis binary grouping correlation with Agatston CT score by different echo modalities. 66th Annual Congress of the Israel Heart Society, Tel Aviv, Israel, April 2019.
38. Schwartzberg S, Shapira Y, Vaturi M, Perl L, Vaknin-Assa H, Assali A, Kornowski R and Sagie A. Real life single-center experience with percutaneous MitraClip procedure. The Heart Valve Society (HVS) Annual Scientific Meeting, Barcelona, Spain, April 2019.
39. Marcuschamer IA, Zusman O, Schwartzberg S, Vaturi M, Shapira Y, Kornowski R, Sagie A, Monakier D. Atrial fibrillation is associated with sudden cardiac death risk factors in patients with hypertrophic cardiomyopathy
ESC Congress, Barcelona, Spain, August 2019.
40. Schwartzberg S, Nassar M, Shapira Y, Vaturi M, Yedidya I, Ofek H, Kazum S, Monakier D, Kornowski R, Hamdan A, Sagie A. Correlation of aortic stenosis by integrated transthoracic and transesophageal echocardiography with calcium score. EuroEcho Imaging 2019, Vienna, Austria, December 2019.
41. Schwartzberg S, Sagie A, Kazum S, Vaturi M, Ofek H, Yedidya I, Monakier D, Kornowski R, and Shapira Y. Proof of Concept Study on the Utility of Integrated Transthoracic and Transesophageal Echocardiography Aortic Stenosis Assessment. ESC Congress, The Digital Experience, August 2020.

G. OTHER PUBLICATIONS (Encyclopedias; Reports; Letter to Editors)

1. **Schwartzberg S**, Maurer M.
Heart Failure in Older Adults – online learning module for the American College of Cardiology – posted in July 2014.
At: <http://www.cardiosource.org/Lifelong-Learning-and-MOC/Certified-Learning/SAPs/2014/ECCOA/Chapter-Group/Heart-Failure-in-Older-Adults.aspx>.
2. **Schwartzberg S**, Mor A, Luboshits G, Planer D, Deutsch V, Keren G, George J.
Association Between Circulating Early Endothelial Progenitors and CD4+CD25+ Regulatory T Cells: A Possible Cross-talk between Immunity and Angiogenesis?
Am J Immunol. 2005; 1:143-7. [No Impact Factor]. **(No. of Citations 11)**
3. **Schwartzberg S**, Kissil S, Maisel-Auslender S, Ben-Shoshan Y, Keren G, George J.
Comparative analysis of the predictive power of different endothelial progenitor cell phenotypes on cardiovascular outcome.
World J Cardiol. 2010;2(9):299-304. [No Impact Factor]. **(No. of Citations 21)**
4. **Schwartzberg S**, Vaturi M, Kazum S, Monakier D, Kornowski R, Sagie A, Shapira Y.
Incremental Value of Transesophageal Echocardiography Complementary to Transthoracic Echocardiography in Assessment of Aortic Stenosis Severity.
J Heart Valve Dis 2017;26(5):509-517. [No current Impact Factor, IF 0.715 (115/124 at submission time)]. **(No. of Citations 2)**

H. Member of Editorial Board/Reviewer (International Journals)

Ad Hoc Reviewer

- Journal of American College of Cardiology (JACC)
(1 paper reviewed in 2016 and 1 paper reviewed in 2017)
- American Journal of Cardiology (AJC)
(1 paper reviewed in 2016, 3 papers reviewed in 2017, 3 papers reviewed in 2018 and 2 papers reviewed in 2019, 2 papers reviewed in 2020)
- Heart
(1 paper reviewed in 2020)
- Journal of Clinical Pharmacy and Therapeutics
(1 paper reviewed in 2016)
- International Journal of Nephrology and Renovascular Disease
(1 paper reviewed in 2017)