

Name Yan Topilsky

Degree MD

CV updated 17.11.2020

CURRICULUM VITAE

NAME Yan (Ian)* Topilsky (Topilski)* MD 01264277-3

(First)

(Last)

Academic Degree

I.D No.

FACULTY/DEPT Sackler Faculty of Medicine/ Cardiology Department

HOSPITAL/DEPT Tel Aviv Sourasky Medical Center/ Cardiology Department

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DATE AND PLACE OF BIRTH 19.10.1966 Peru

DATE OF ARRIVAL IN ISRAEL 01.01.1972

ZAHAL (ISRAELI) MILITARY SERVICE

1984 1990

(Enlisted

Discharged)

MARITAL STATUS Married+3

A. Education

PERIODS OF STUDIES

Tel Aviv University, Tel Aviv, Israel 1990-1997

(Name of University, City, Country)

Period

Subject Medicine

Degree or Professional License MD

Date Awarded 1997

Name Yan Topilsky

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Title of Doctoral Dissertation Induced sputum compared to bronchoalveolar lavage for evaluating patients with sarcoidosis and non-granulomatous interstitial lung disease.

Supervised by: Prof. S.Kivity, PhD E.Fireman Tel Aviv Medical Center

Date Awarded 06.1996

B. FURTHER STUDIES

- 2007-2008 Successfully Passing the USMLE Step 1, Step 2 CK and Step 2 CS Examinations.
- 2008-2009 Advanced Echocardiography Diploma.
Mayo School of Graduate Education, College of Medicine, Rochester Minnesota, USA.
- 2010-2011 Transplantation Medicine – Cardiovascular Disease Diploma.
Mayo School of Graduate Education, College of Medicine, Rochester Minnesota, USA.
- 1997 Israeli Permanent License to Practice Medicine.
- 1999 ECFMG Certificate to Practice Medicine in the United States under Supervision.
- 2002 Internal Medicine Specialty Diploma.
- 2007 Cardiology Specialty Diploma.
- 2007 Advanced Cardiac Life Support (ACLS) Course. The Center for Resuscitation and Emergency Meducation (AHA International Training Aauthorized). Tel Aviv Sourasky Medical Center, Israel.
- 2008 ECFMG Certificate to Practice Medicine in the United States under Supervision.
- 2012 Good Clinical Practices for Clinical Research Professionals Course (ACRP authorized). GCP Clinical Studies, Israel.

C. ACADEMIC & PROFESSIONAL ACTIVITIES & ACHIEVEMENTS**C1.ACADEMIC EXPERIENCE**

- 1997-2002 Instructor of Israeli and American Medical Students during Internal Medicine Department Clerkships. New York Program, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.
- 2001 Internal Medicine 3rd Year Clerkship Tutor. Tel Aviv University Sackler Faculty of Medicine New-York program.
- 2002-2007 Instructor of Israeli and American during Cardiology Department Clerkships Medical Students. Tel Aviv University Sackler Faculty of Medicine New York program.
- 2012 Clinical Instructor of Internal Medicine Appointment, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.
- 2014 Associate Professor of Cardiology Appointment, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.

C2. PROFESSIONAL EXPERIENCE.

- 1996-1997 Internship. Tel Aviv Medical Center, Tel Aviv, Israel.
- 1997-2001 Internal Medicine Residency, Internal Medicine Department 'T', the Tel Aviv Sourasky Medical Center, Tel Aviv, Israel.
- 2001-2002 Senior Physician, Department of Internal Medicine T, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel.
- 2002-2006 Cardiology Residency, Cardiology Department. Tel Aviv Sourasky Medical Center, Tel Aviv, Israel.
- 2006-2008 Senior Physician, Cardiology Department. Tel Aviv Sourasky Medical Center, Tel Aviv, Israel.
- 2008-2009 Advanced Echocardiography Fellowship, Cardiology Division, Mayo Clinic, Rochester Minnesota USA.
- 2009-2011 LVAD and Transplant Fellowship, Cardiology Division, Mayo Clinic, Rochester Minnesota, USA.
- 2011-present Director of Echocardiography and Non Invasive Cardiology Unit, Tel Aviv Sourasky Medical Center.
- 2016-present Secretary General of the Israel Echocardiography Society.

2018-present Director of Cardiology Hospitalization Division. Tel Aviv Sourasky Medical Center, Tel Aviv, Israel.

C3. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS*

Date	Country	Subject	Role (Speaker, Member of Steering Committee, Active Participation etc.)
2003	Israel	Israel 51 th Annual conference of the Israeli Heart Society	Oral Presentation
2005	Israel	Israel 52 th Annual Conference of the Israel Heart Society	Oral Presentation
2006	Israel	Israel 53 th Annual Conference of the Israel Heart Society	Oral Presentation
2007	Israel	Israel 54 th Annual Conference of the Israel Heart Society	Oral Presentation
2009	Spain	Spain European Society of Cardiology Congress	Poster Presentation
2009	USA	American College of Cardiology Conference	Poster Presentation
2010	USA	American Valve Heart Association Conference	Oral Presentation
2010	USA	American College of Cardiology	Poster Presentation

		Conference	
2010	USA	American Heart Association Conference	Poster Presentation
2011	USA	American College of Cardiology Conference	Oral and Poster Presentations
2011	USA	International Society of Heart and Lung Transplantation	Oral and Poster Presentations
2011	Israel	Annual Conference of the Israel Heart Society	Oral Presentation
2011	USA	USA Conference American Heart Association Conference	Poster Presentation
2012	USA	ACC 2012 Scientific Sessions	Invited Speaker/Faculty
2012	USA	ASE 2012 Scientific Sessions	Invited Speaker/Faculty
2012	South Korea	Samsung Mayo Critical Care Cardiology Symposium	Invited Speaker/Faculty
2012	USA	USA American Valve Heart Association Conference	Oral Presentation
2012	USA	USA International Society of Heart and Lung Transplantation	Poster Presentation

		Conference	
2013	USA	ASE 2013 Scientific Sessions	Invited Speaker/Faculty
2013	Italy	European Valve Heart Association Conference	Oral Presentation
2013	USA	American Society of Echocardiography Conference	Invited Speaker/Faculty and Oral Presentation
2014	USA	American College of Cardiology Conference	Invited Speaker/Faculty and Oral Presentation
2014	Brazil	Brazilian Society of Echocardiography Conference	Invited Speaker/Faculty and Oral Presentation
2014	USA	American Valve Heart Association Conference	Invited Speaker/Faculty and Oral Presentation
2014	USA	American Society of Echocardiography Conference	Invited Speaker/Faculty and Oral Presentation
2015	Israel	Annual Conference of the Israel Heart Society	Oral Presentation
2015	Monaco	European Valve Heart Association Conference	Invited Speaker/Faculty and Oral Presentation
2015	Italy	Padua University	Invited Speaker/Faculty and Oral Presentation
2015	USA	American Society of Echocardiography Conference	Invited Speaker/Faculty and Oral Presentation
2015	Spain	European Society of	Invited Speaker/Faculty

		Echocardiography Conference	and Oral Presentation
2016	USA	American Valve Heart Association Conference	Invited Speaker/Faculty and Oral Presentation
2016	Israel	Annual Conference of the Israel Heart Society	Invited Speaker/Faculty and Oral Presentation
2016	Germany	European Society of Echocardiography Conference	Oral Presentation
2017	Monaco	European Valve heart Association Conference	Poster Presentation Moderator
2017	Israel	Annual Conference of the Israel Heart Society	Invited Speaker/Faculty and Oral Presentation
2017	USA	American College of Cardiology Conference	Poster Presentation
2017	USA	Workshop Consensus Manuscript Committee	Invited Speaker/Faculty and Oral Presentation
2017	USA	TCT	Invited Speaker/Faculty and Oral Presentation
2017	Portugal	European Society of Echocardiography Conference	Invited Speaker/Faculty and Oral Presentation
2018	USA	American College of Cardiology Conference	Invited Speaker/Faculty and Oral Presentation
2018	Israel	Annual Conference	Invited Speaker/Faculty

		of the Israel Heart Society	and Oral Presentation
2018	USA	American Valve heart Association Conference	Invited Speaker/Faculty and Oral Presentation
2018	Switzerland	Mitral Valve meeting	Invited Speaker/Faculty and Oral Presentation
2018	Monaco	Mitral Valve Meeting	Invited Speaker/Faculty and Oral Presentation
2018	USA	American Society of Echocardiography Conference	Invited Speaker/Faculty and Oral Presentation
2018	USA	TCT	Invited Speaker/Faculty and Oral Presentation
2019	USA	American College of Cardiology Conference	Invited Speaker/Faculty and Oral Presentation
2019	Israel	Annual Conference of the Israel Heart Society	Invited Speaker/Faculty and Oral Presentation
2019	Spain	American and European Valve heart Association Conference	Invited Speaker/Faculty and Oral Presentation
2019	USA	TVT	Invited Speaker/Faculty and Oral Presentation
2019	Austria	European Society of Echocardiography Conference	Invited Speaker/Faculty and Oral Presentation
2020	USA	TCT	Invited Speaker/Faculty and Oral Presentation
2020	USA	TVT	Invited Speaker/Faculty and Oral Presentation

2020	Israel	Annual Conference of the Israel Heart Society	Session Chair
2020	Brazil	Annual Conference of the Brazil Heart Society	Invited Speaker/Faculty and Oral Presentation

C4. MEMBERSHIP IN PROFESSIONAL SOCIETIES*

Years (period)	Name of Organization		
2007-present	Israel Heart Society		
2013-present	European Heart Society		
2016-present	Israeli working group in Echocardiography		
2017- present	Israeli working group in Heart Failure		
2018-present	American Society of Echocardiography		

D. DOCTORAL STUDENTS MENTORED BY CANDIDATE*

Years (period)	Name of Student	Subject	Academic Institute	Ph.D/ M.D	In collaboration with
2012	Arie Lorin Schwartz	Comparison of the Hemodynamic Performance and Mid-term Outcome of Percutaneous versus Surgical Stentless Bioprostheses for Aortic Stenosis with	Tel Aviv University	MD	

		Anticipated Patient Prosthesis Mismatch			
2012	Moshe Cohen	Assessment of Right Ventricular systolic and diastolic function in Patients with first ST elevation MI and their prognostic role	Tel Aviv University	MD	
2012	Hezzi Shmueli	Echocardiographic Parameters Associated with Long-Term Mortality in Patients with Dyspnea with and without Pulmonary Emboli	Tel Aviv University	MD	
2013	Eran Leshem- Rubinow	Cardiac Remodeling after Transcatheter Aortic Valve Replacement. Implications of Post Procedural Paravalvular Leak	Ben- Gurion University	MD	
2013	Omri Shental	The use of combined echo and cardiopulmonary stress test in assessment of patients with secondary pulmonary hypertension	Tel Aviv University	MD	
2013	Lior Yankelson	Assessment of left atrial pressure by	Tel Aviv University	MD	

		inter-atrial septal position using handheld echocardiography in patients in the emergency room			
2013	Maayan Konigstein	Improvement in Diastolic Function after Transcatheter Aortic Valve Implantation is exclusive to patients with concentric hypertrophy, but not concentric remodeling	University of Bologna	MD	
2015	Nir Bar	Clinical Outcome of Isolated Tricuspid Regurgitation in Patients with Preserved Left Ventricular Ejection Fraction and Pulmonary Hypertension	Tel Aviv University	MD	
2015	Michal Laufer-Perl	Mechanisms of Effort Intolerance in Patients with Rheumatic Mitral Stenosis: Combined Echo and Cardio-Pulmonary Stress Protocol	Tel Aviv University	MD	
2016	Shafique Khoury	Discriminating Circulatory Problems	Tel Aviv University	MD	

		from Deconditioning - Echocardiogram and Cardio-Pulmonary Exercise Test Analysis			
2016	Zach Rozenbaum	Impact of Right Ventricular Dysfunction and Tricuspid Regurgitation on Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement	Tel Aviv University	MD	
2017	Oren Zusman	Intervention versus Observation in Symptomatic Patients with Normal Flow- Low Gradient Severe Aortic Stenosis	Tel Aviv University	MD	
2018	Yogev Peri	Quantitative Assessment of Effective Regurgitant Orifice- Impact on Risk Stratification, and Cut-off for Severe and Torrential Tricuspid Regurgitation Grade	Tel Aviv University	MD	
2018	Nino kikozashviliin	Clinical Validity of Measuring Time Differenc Between Onset of Mitral	Tel Aviv University	MD	

		Inflow and Onset of Early Diastolic Mitral Annulus Velocity in the Evaluation of Left Ventricular Diastolic Function			
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E. M.A./M.Sc. STUDENTS:

Years (period)	Name of Student	Subject	Academic Institute	In collaboration with
2014	Eric Buffle	Redefining Diastolic Dysfunction Grading:pulmonary venous flow Doppler assessment in patients with preserved ejection fraction and their contribution to the diastolic grading paradigm	Universite de Geneve	
2014	Jason Shimiaie	Determinants of Effort Intolerance in Patients with Heart Failure: Combined Echo and Cardio-Pulmonary Stress	Tel Aviv University	

		Protocol		
2014	Judith Kramarz	Impact of Diastolic Dysfunction on Outcome of Patients Undergoing Trans-catheter Aortic Valve Replacement	Kobenhavns Universitet Denmark	
2017	Dana Viskin	Heart Failure in High Grade Atrio-Ventricular Block:The Essential Role of Diastolic Mitral Regurgitation	Ben Gurion University	
2019	Udi Rothschild	Impact of RV Dysfunction and End-Diastolic Pulmonary Artery Pressure Estimated From Analysis of Tricuspid Regurgitant Velocity Spectrum in Patients With Preserved Ejection Fraction	Ben Gurion University	
2020	Guy Baruch	The predictive role of left and right ventricle speckle-tracking echocardiography in Coronavirus	Ben Gurion University	

		Disease 2019		
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F. GRANTS

Years	Investigator (Principal/,other)	Granted by Institute/Company	Total Amount
2020-2021	PI	Israel Innovation Authority (KAMIN grant)	NIS 298,990
2020	PI	Novartis Grant	NIS 30,000
2020	PI	Edwards Grant	NIS 5,000

G. AWARDS

1999	Israeli Internal Medicine Board Written Exam passed Cum Laude
2001	Israeli Internal Medicine Board Oral Exam passed Cum Laude.
2006	Israeli Cardiology Board Written Exam passed Cum Laude.
2007	The Mayo Clinic Fellowship Grant from the Israel Heart Society 42,000\$.
2007	Clinical Fellowship Grant from the Tel Aviv Sourasky Medical Center 25,000\$.
2008-2010	Ofek Grant for Research Fellowship, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel. NIS 25,000.
2013	Tutoring Dr Lauren Schwartz- Excellent Basic Science Thesis Award by the Israeli Medical Association 1000\$.
2013	Excellent Cardiology Lecturer Award - Sackler Faculty of Medicine, Tel Aviv University.
2017	Tutoring Dr Oren Zusman - Excellent Basic Science Thesis Award by the Israeli Medical Association 1000\$.
2017	Tutoring Dr Yogev Peri - Finalist in the Roelandt's Young Investigator Award of the European Echo and Imaging Society 2017
2018	Tutoring Dr Assi Milivetzky - Finalist in the Young Investigator Award of the Israel Heart Society 2018 1000\$.

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- 2019 Tutoring Dr Yogev Peri - Young Investigator Award of the American Society of Echo 2019 1000\$
- 2020 Tutoring Dr Zach Rozenbaum – The Neufeld Young Investigator Award of the Israel Heart Society 2020 1500\$
- 2020 The Mirowsky Annual Award for Excellence in Cardiology 15000\$.

SCIENTIFIC PUBLICATIONS

A. BOOKS AND MONOGRAPHS

B. TEXTBOOKS (not for MDs)

B.1. ORIGINAL ARTICLES*

(Including IF; No. of Citations; Rank of Journal in Discipline)

B.1. Articles Published

1. Fireman E, **Topilsky I**, Greif J, Lerman Y, Schwarz Y, Man A, Topilsky M. Induced sputum compared to bronchoalveolar lavage for evaluating patients with sarcoidosis and non-granulomatous interstitial lung disease. *Respir Med.* 1999;93(11):827-34.
(CARDIAC & CARDIOVASCULAR SYSTEMS 50/122, IF=2.59, No of citations 40).
2. Flaishon L*, **Topilski I***, Shoseyov D, HersHKoviz R, Fireman E, Levo Y, Marmor S, Shachar I.
Cutting edge: anti-inflammatory properties of low levels of IFN-gamma. *J Immunol.* 2002 15;168(8):3707-11.
* F.L and T.I contributed equally to this study.
(IMMUNOLOGY 24/135, IF=5.52, No of citations 44).
3. Schwartz IF, Schwartz D, Traskonov M, Chernichovsky T, Wollman Y, Gnessin E, **Topilsky I**, Levo Y, Iaina A.
L-Arginine transport is augmented through up-regulation of tubular CAT-2 mRNA in ischemic acute renal failure in rats. *Kidney Int.* 2002;62(5):1700-6.
(UROLOGY AND NEPHROLOGY 4/73, IF=7.92, No of citations 32).
4. **Topilski I**, Harmelin A, Flavell RA, Levo Y, Shachar I.
Preferential Th1 immune response in invariant chain-deficient mice. *J Immunol.* 2002;168(4):1610-7.
(IMMUNOLOGY 24/135, IF=5.52, No of citations 28).
5. **Topilski I**, Flaishon L, Naveh Y, Harmelin A, Levo Y, Shachar I.
The anti-inflammatory effects of 1,25-dihydroxyvitamin D3 on Th2 cells in vivo are due in part to the control of integrin-mediated T lymphocyte homing. *Eur J Immunol.* 2004;34(4):1068-76.
(IMMUNOLOGY 26/135, IF=4.97, No of citations 48).
6. **Topilski I**, Glick A, Belhassen B.
Idiopathic left ventricular tachycardia with a right bundle branch block morphology and left axis deviation ("Belhassen type"): results of radiofrequency ablation in 18 patients. *Isr Med Assoc J.* 2004;6(4):195-200.
(MEDICINE, GENERAL&INTERNAL 80/151, IF=0.98, No of citations

- 6).
7. Koifman B, **Topilski I**, Megidish R, Zelmanovich L, Chernihovsky T, Bykhovsy E, Keren G.
Effects of losartan + L-arginine on nitric oxide production, endothelial cell function, and hemodynamic variables in patients with heart failure secondary to coronary heart disease.
Am J Cardiol. 2006;98(2):172-7.
(CARDIAC & CARDIOVASCULAR SYSTEMS 37/122, IF=3.21, No of citations 7).
8. **Topilski I**, Glick A, Viskin S, Belhassen B.
Frequency of spontaneous and inducible atrioventricular nodal reentry tachycardia in patients with idiopathic outflow tract ventricular arrhythmias.
Pacing Clin Electrophysiol. 2006;29(1):21-8.
(CARDIAC & CARDIOVASCULAR SYSTEMS 65/122, IF=1.75, No of citations 4).
9. **Topilski I**, Rogowski O, Glick A, Viskin S, Eldar M, Belhassen B.
Radiofrequency ablation of atrioventricular nodal reentry tachycardia: a 14 year experience with 901 patients at the Tel Aviv Sourasky Medical Center.
Isr Med Assoc J. 2006;8(7):455-9.
(MEDICINE, GENERAL&INTERNAL 80/151, IF=0.98, No of citations 8).
10. **Topilski I**, Sherez J, Keren G, Copperman I.
Long-term effects of dual-chamber pacing with periodic echocardiographic evaluation of optimal atrioventricular delay in patients with hypertrophic cardiomyopathy >50 years of age.
Am J Cardiol. 2006;97(12):1769-75.
(CARDIAC & CARDIOVASCULAR SYSTEMS 37/122, IF=3.21, No of citations 9).
11. Fireman E, **Topilsky I**, Viskin S, Priel IE.
The role of induced sputum in amiodarone-associated interstitial lung diseases.
Cardiology. 2007;108(4):223-7.
(CARDIAC & CARDIOVASCULAR SYSTEMS 70/122, IF=1.52, No of citations 1).
12. **Topilski I**, Rogowski O, Glick A, Viskin S, Eldar M, Belhassen B.
Catheter-induced mechanical trauma to fast and slow pathways during radiofrequency ablation of atrioventricular nodal reentry tachycardia: incidence, predictors, and clinical implications.
PACE - Pacing Clin Electrophysiol. 2007;30(10):1233-41.
(CARDIAC & CARDIOVASCULAR SYSTEMS 65/122, IF=1.75, No of citations 5).
13. **Topilski I**, Rogowski O, Rosso R, Justo D, Copperman Y, Glikson M, Belhassen B, Hochenberg M, Viskin S.

The morphology of the QT interval predicts torsade de pointes during acquired bradyarrhythmias.

J Am Coll Cardiol. 2007;49(3):320-8.

(CARDIAC & CARDIOVASCULAR SYSTEMS 3/122, IF=14.09, No of citations 58).

14. Le Tourneau T, Messika-Zeitoun D, Russo A, Detaint D, **Topilsky Y**, Mahoney DW, Suri R, Enriquez-Sarano M.
Impact of left atrial volume on clinical outcome in organic mitral regurgitation.
J Am Coll Cardiol. 2010;56(7):570-8.
(CARDIAC & CARDIOVASCULAR SYSTEMS 3/122, IF=14.09, No of citations 32).
15. **Topilsky Y**, Tribouilloy C, Michelena HI, Pislaru S, Mahoney DW, Enriquez-Sarano M.
Pathophysiology of tricuspid regurgitation: quantitative Doppler echocardiographic assessment of respiratory dependence.
Circulation. 2010; (15)122:1505-13.
(CARDIAC & CARDIOVASCULAR SYSTEMS 1/122, IF=15.20, No of citations 8).
16. Maltais S, Schaff HV, Daly RC, Suri RM, Dearani JA, Sundt TM, 3rd, Enriquez-Sarano M, **Topilsky Y**, Park S.
Mitral regurgitation surgery in patients with ischemic cardiomyopathy and ischemic mitral regurgitation: factors that influence survival.
J Thorac Cardiovasc Surg. 2011;142(5):995-1001.
(CARDIAC & CARDIOVASCULAR SYSTEMS 33/122, IF=3.53, No of citations 9).
17. Michelena HI, Khanna AD, Mahoney D, Margaryan E, **Topilsky Y**, Suri RM, Enriquez-Sarano M.
Incidence of aortic complications in patients with bicuspid aortic valves.
JAMA. 2011;306(10):1104-12.
(MEDICINE, GENERAL&INTERNAL 3/151, IF=29.97, No of citations 20).
18. Miller WL, Mahoney DW, Michelena HI, Pislaru SV, **Topilsky Y**, Enriquez-Sarano M.
Contribution of ventricular diastolic dysfunction to pulmonary hypertension complicating chronic systolic heart failure.
JACC Cardiovasc Imaging. 2011;4(9):946-54.
(CARDIAC & CARDIOVASCULAR SYSTEMS 10/122, IF=6.16, No of citations 4).
19. **Topilsky Y**, Hasin T, Oh JK, Borgeson DD, Boilson BA, Schirger JA, Clavell AL, Frantz RP, Tsutsui R, Liu M, Maltais S, Kushwaha SS, Pereira NL, Park SJ.
Echocardiographic variables after left ventricular assist device implantation associated with adverse outcome.

Circ Cardiovasc Imaging. 2011;4(6):648-61.

(CARDIAC & CARDIOVASCULAR SYSTEMS 14/122, IF=5.79, No of citations 4).

20. **Topilsky Y**, Khanna AD, Oh JK, Nishimura RA, Enriquez-Sarano M, Jeon YB, Sundt TM, Schaff HV, Park SJ.
Preoperative factors associated with adverse outcome after tricuspid valve replacement.
Circulation. 2011;123(18):1929-39.
(CARDIAC & CARDIOVASCULAR SYSTEMS 1/122, IF=15.20, No of citations 16).
21. **Topilsky Y**, Oh JK, Atchison FW, Shah DK, Bichara VM, Schirger JA, Kushwaha SS, Pereira NL, Park SJ.
Echocardiographic findings in stable outpatients with properly functioning HeartMate II left ventricular assist devices.
J Am Soc Echocardiogr. 2011;24(2):157-69.
(CARDIAC & CARDIOVASCULAR SYSTEMS 26/122, IF=4.28, No of citations 6).
22. **Topilsky Y**, Oh JK, Shah DK, Boilson BA, Schirger JA, Kushwaha SS, Pereira NL, Park SJ.
Echocardiographic predictors of adverse outcomes after continuous left ventricular assist device implantation.
JACC Cardiovasc Imaging. 2011;4(3):211-22.
(CARDIAC & CARDIOVASCULAR SYSTEMS 10/122, IF=6.16, No of citations 14).
23. **Topilsky Y**, Pereira NL, Shah DK, Boilson B, Schirger JA, Kushwaha SS, Joyce LD, Park SJ.
Left ventricular assist device therapy in patients with restrictive and hypertrophic cardiomyopathy.
Circ Heart Fail. 2011;4(3):266-75.
(CARDIAC & CARDIOVASCULAR SYSTEMS 7/122, IF=6.68, No of citations 14).
24. Arbel Y, Birati EY, Shapira I, **Topilsky Y**, Wirguin M, Canaani MDJ.
T-wave amplitude is related to physical fitness status.
Ann Noninvasive Electrocardiol. 2012;17(3):214-8.
(CARDIAC & CARDIOVASCULAR SYSTEMS 95/122, IF=1.08).
25. Hasin T, **Topilsky Y**, Kremers WK, Boilson BA, Schirger JA, Edwards BS, Clavell AL, Rodeheffer RJ, Frantz RP, Joyce L, Daly R, Stulak JM, Kushwaha SS, Park SJ, Pereira NL.
Usefulness of the six-minute walk test after continuous axial flow left ventricular device implantation to predict survival.
Am J Cardiol. 2012;110(9):1322-8.
(CARDIAC & CARDIOVASCULAR SYSTEMS 37/122, IF=3.21).
26. Hasin T, **Topilsky Y**, Schirger JA, Li Z, Zhao Y, Boilson BA, Clavell AL,

Rodeheffer RJ, Frantz RP, Edwards BS, Pereira NL, Joyce L, Daly R, Park SJ, Kushwaha SS.

Changes in renal function after implantation of continuous-flow left ventricular assist devices.

J Am Coll Cardiol. 2012;59(1):26-36.

(CARDIAC & CARDIOVASCULAR SYSTEMS 3/122, IF=14.09, No of citations 5).

27. Maltais S, **Topilsky Y**, Tchantchaleishvili V, McKellar SH, Durham LA, Joyce LD, Daly RC, Park SJ.

Surgical treatment of tricuspid valve insufficiency promotes early reverse remodeling in patients with axial-flow left ventricular assist devices.

J Thorac Cardiovasc Surg. 2012;143(6):1370-6.

(CARDIAC & CARDIOVASCULAR SYSTEMS 33/122, IF=3.53, No of citations 4).

28. **Topilsky Y**, Hasin T, Raichlin E, Boilson BA, Schirger JA, Pereira NL, Edwards BS, Clavell AL, Rodeheffer RJ, Frantz RP, Maltais S, Park SJ, Daly RC, Lerman A, Kushwaha SS.

Sirolimus as primary immunosuppression attenuates allograft vasculopathy with improved late survival and decreased cardiac events after cardiac transplantation.

Circulation. 2012;125(5):708-20.

(CARDIAC & CARDIOVASCULAR SYSTEMS 1/122, IF=15.20, No of citations 10).

29. **Topilsky Y**, Hayes CL, Khanna AD, Allison TG.

Cardiopulmonary exercise test in patients with subacute pulmonary emboli.

Heart Lung. 2012;41(2):125-36.

(CARDIAC & CARDIOVASCULAR SYSTEMS 78/122, IF=1.40).

30. **Topilsky Y**, Khanna A, Le Tourneau T, Park S, Michelena H, Suri R, Mahoney DW, Enriquez-Sarano M.

Clinical context and mechanism of functional tricuspid regurgitation in patients with and without pulmonary hypertension.

Circ Cardiovasc Imaging. 2012;5(3):314-23.

(CARDIAC & CARDIOVASCULAR SYSTEMS 14/122, IF=5.80, No of citations 3).

31. **Topilsky Y**, Michelena H, Bichara V, Maalouf J, Mahoney DW, Enriquez-Sarano M.

Mitral valve prolapse with mid-late systolic mitral regurgitation: pitfalls of evaluation and clinical outcome compared with holosystolic regurgitation.

Circulation. 2012;125(13):1643-51.

(CARDIAC & CARDIOVASCULAR SYSTEMS 1/122, IF=15.20, No of citations 3).

32. Hasin T, Marmor Y, Kremers W, **Topilsky Y**, Severson CJ, Schirger JA, Boilson BA, Clavell AL, Rodeheffer RJ, Frantz RP, Edwards BS, Pereira NL, Stulak JM, Joyce L, Daly R, Park SJ, Kushwaha SS.

Readmissions after implantation of axial flow left ventricular assist device.

J Am Coll Cardiol. 2013; 61(2):153-163.

(CARDIAC & CARDIOVASCULAR SYSTEMS 1/125, IF=15.343, No of citations 23).

33. **Topilsky Y**, Gandhi MJ, Hasin T, Voit LL, Raichlin E, Boilson BA, Schirger JA, Edwards BS, Clavell AL, Rodeheffer RJ, Frantz RP, Kushwaha SS, Lerman A, Pereira NL.

Donor-specific antibodies to class II antigens are associated with accelerated cardiac allograft vasculopathy: a three-dimensional volumetric intravascular ultrasound study.

Transplantation. 2013;95(2):389-396.

(IMMUNOLOGY 50/144, IF=3.535, No of citations 6).

34. **Topilsky Y**, Raichlin E, Hasin T, Boilson BA, Schirger JA, Pereira NL, Edwards BS, Clavell AL, Rodeheffer RJ, Frantz RP, Gandhi MJ, Maltais S, Park SJ, Daly RC, Lerman A, Kushwaha SS.

Combined heart and liver transplant attenuates cardiac allograft vasculopathy compared with isolated heart transplantation.

Transplantation. 2013;95(6):859-865.

(IMMUNOLOGY 50/144, IF=3.535, No of citations 2).

35. Le Tourneau T, Deswarte G, Lamblin N, Foucher-Hosseine C, Fayad G, Richardson M, Polge A-N, Vannesson C, **Topilsky Y**, Juthier F, Trochu J-N, Enriquez-Sarano M, Bauters C.

Right ventricular systolic function in organic mitral regurgitation: impact of biventricular impairment.

Circulation. 2013;127(15):1597-1608.

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***Equal Contribution**
Lung ultrasound predicts clinical course and outcomes in COVID-19 patients.
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116. Merdler I, Richert E, Hochstadt A, Loewenstein I, Morgan S, Itach T, **Topilsky Y**, Finkelstein A, Laufer-Perl M, Banai S, Sadeh B.
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122. Szekely Y, Shmilovich H, Hochstadt A, Ghantous E, **Topilsky Y**, Aviram G, Hadad Y, Arbel Y, Konigstein M, Banai S, Finkelstein A, Halkin A.
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B.1. Articles Accepted**B.1. Articles Submitted****B1.1. GUIDELINES**

1. Leitman M, **Topilsky Y**, Tyomkin V, Carasso S, Shimoni S, Golan S, Ben Zekry S, Sagie A, Cohen NL, Yosefy C, Beeri R.
Standards on Digital Echocardiography: An Israel Heart Society Position Paper Presented by the Israel Working Group on Echocardiography.
Isr Med Assoc J. 2019;21(8):524-7.
IF 0.86; MEDICINE, GENERAL&INTERNAL 129/165-Q4; Cited: 0.

LEAD AUTHOR SUMMARY

Article Info		Current Data (year)			Original Data (year)		
No.	Journal	IF	Rank	Quartile	IF	Rank	Quartile

53	Radiology	7.931	3/134	Q1	6.798	2/124	Q1
56	Eur Heart J Cardiovasc Imaging	4.841	28/138; 18/134	Q1	4.293	28/124	Q1
60	JACC Heart Fail	9.14	10/138	Q1	7.218	9/124	Q1
61	Heart Lung	1.63	44/123	Q2	1.657	27/116	Q1
62	Chest	8.308	4/36; 6/64	Q1	6.147	5/33; 7/59	Q1
67	Catheter Cardiovasc Interv	2.044	85/138	Q3	2.602	59/126	Q2
77	Eur Heart J Cardiovasc Imaging	4.841	28/138; 18/134	Q1	8.336	10/128; 21/129	Q1
78	JACC Cardiovasc Imaging	12.74	7/138; 1/134	Q1	10.247	7/128; 1/129	Q1
79	Echocardiography	1.393	113/138	Q4	1.197	109/128	Q4
81	Chest	8.308	4/36; 6/64	Q1	7.652	4/33; 7/60	Q1
82	J Am Soc Echocardiogr	5.508	21/138	Q1	6.827	13/128	Q1
83	Am J Cardiol	2.57	63/138	Q2	3.171	49/128	Q2
85	J Am Soc Echocardiogr	5.508	21/138	Q1	6.111	17/136	Q1
91	J Am Soc Echocardiogr	5.508	21/138	Q1	6.111	17/136	Q1
93	Eur Heart J	22.673	2/138	Q1	24.889	1/136	Q1
94	JACC Cardiovasc Imaging	12.74	7/138; 1/134	Q1	10.975	8/136; 1/129	Q1

96	Eur Heart J Cardiovasc Imaging	4.841	28/138; 18/134	Q1	4.841	28/138; 18/134	Q1
107	JACC Cardiovasc Imaging	12.74	7/138; 1/134	Q1	12.74	7/138; 1/134	Q1
109	Int J Cardiol	3.229	55/138	Q2	3.229	55/138	Q2
117	Eur Heart J Cardiovasc Imaging	4.841	28/138; 18/134	Q1	4.841	28/138; 18/134	Q1
121	Circulation	23.603	1/138; 1/65	Q1	23.603	1/138; 1/65	Q1

B.2. CASE REPORTS

B.2. Case Reports published

1. **Topilsky Y**, Tabatabaei N, Freeman WK, Saleh HK, Villarraga HR, Mulvagh SL.
Images in cardiovascular medicine. Pendulum heart in congenital absence of the pericardium.
Circulation. 2010 Mar 16;121(10):1272-4.
2. Morris MF, Williamson EE, **Topilsky Y**, Espinosa RE, Cetta F, Burkhart HM, et al. Multi-imaging assessment of the congenital mitral arcade.
J Am Coll Cardiol. 2011 May 3;57(18):1856.
3. Pereda D, **Topilsky Y**, Nishimura RA, Park SJ.
Asymmetric Alfieri's stitch to correct systolic anterior motion after mitral valve repair.
Eur J Cardiothorac Surg. 2011 May;39(5):779-81.
4. **Topilsky Y**, Hasin T, McGregor CG, Park SJ. Mitral valve regurgitation in patients supported on continuous flow pumps.
Echocardiography. 2011 Nov;28(10):E202-4.
5. **Topilsky Y**, Price TN, Atchison FW, Joyce LD.
Atypical tamponade hemodynamic in a patient with temporary left ventricular assist device.
Interact Cardiovasc Thorac Surg. 2011 May;12(5):832-4.

6. Cho YH, Deo SV, **Topilsky Y**, Grogan MA, Park SJ.
Left ventricular assist device implantation in a patient who had previously undergone apical myectomy for hypertrophic cardiomyopathy.
J Cardiovasc Surg. 2012 Mar;27(2):266-8.
7. Daly RC, **Topilsky Y**, Joyce L, et al.
Combined heart and liver transplantation: protection of the cardiac graft from antibody rejection by initial liver implantation.
Transplantation. Jan 27 2013;95(2):e2-4.

B.2. Case Reports Accepted

B.2. Case Reports Submitted

B.3. REVIEW ARTICLES

B.3. Review Articles Published

1. Michelena HI, Bichara VM, Margaryan E, Forde I, **Topilsky Y**, Suri R, et al.
Progress in the treatment of severe mitral regurgitation.
Rev Esp Cardiol. 2010 Jul;63.820-31:(7).
2. **Topilsky Y**, Suri R, Schaff HV, Enriquez-Sarano M.
When to intervene for asymptomatic mitral valve regurgitation.
Semin Thorac Cardiovasc Surg. 2010 Autumn;22(3):216-24.
3. Le Tourneau T, Piriou N, Donal E, Deswarte G, **Topilsky Y**, Lamblin N ,et al.
Imaging and modern assessment of the right ventricle.
Minerva Cardioangiol. 2011 Aug;59(4):349-73.
4. Michelena HI, **Topilsky Y**, Suri R, Enriquez-Sarano M.
Degenerative mitral valve regurgitation: understanding basic concepts and new developments.
Postgrad Med. 2011 Mar;123(2):56-69.
5. **Topilsky Y**, Grigioni F, Enriquez-Sarano M.
Quantitation of mitral regurgitation.
Semin Thorac Cardiovasc Surg. 2011 Summer;23(2):106-14.
6. **Topilsky Y**, Maltais S, Oh JK, Atchison FW, Perrault LP, Carrier M, et al.
Focused review on transthoracic echocardiographic assessment of patients with continuous axial left ventricular assist devices.
Cardiol Res Pract. 2011;2011:187434.
7. Man A, Keren G, **Topilsky Y**.
Cardio pulmonary stress test – Physiological basis and key variables.
Harefuah. 2013 Dec;152(12):725-8, 752.
8. Messika-Zeitoun D, **Topilsky Y**, Enriquez-Sarano M.

The role of echo in the management of patients with myxomatous disease.
Cardiology Clinics. 2013; 31(2):217-29.

9. Man A, Keren G, **Topilsky Y**.

Cardio pulmonary stress test – interpretation and clinical indications.
Harefuah. 2014;153:92-96, 126.

10. Enriquez-Sarano M, Messika-Zeitoun D, **Topilsky Y**, Tribouilloy C, Benfari G, Michelena H.

Tricuspid regurgitation is a public health crisis.

Prog Cardiovasc Dis. 2019;62(6):447-51.

11. **Topilsky Y**.

Mitral Regurgitation: Anatomy, Physiology, and Pathophysiology-Lessons Learned From Surgery and Cardiac Imaging.

Front Cardiovasc Med. 2020;7:84. doi:10.3389/fcvm.2020.00084

12. **Topilsky Y**.

Tricuspid valve regurgitation: epidemiology and pathophysiology.

Minerva Cardioangiol. 2018;66(6):673-9.

13. **Topilsky Y**, Michelena HI, Messika-Zeitoun D, Enriquez Sarano M.

Doppler-Echocardiographic Assessment of Tricuspid Regurgitation.

Prog Cardiovasc Dis. 2018;61(5-6):397-403.

B.3. Review Articles Accepted

B.3. Review Articles Submitted for Publication

C. CHAPTERS IN BOOKS

1. Messika-Zeitoun D, **Topilsky Y**, Enriquez-Sarano M.

The role of echo in the management of patients with myxomatous disease.

In Hung JW, Tan TC, eds. *Cardiology Clinics*.

Elsevier. 2013; 31(2):217-29.

2. **Topilsky Y**, Grigioni F, Enriquez-Sarano M.

Clinical Prognostic Value of Secondary Mitral Valve Regurgitation.

In Fattouch K, Lancellotti P, Angelini GD, eds. *Secondary Mitral Valve Regurgitation*.

London, UK, Springer; 2015:13-18.

3. **Topilsky Y**, Biner S.

Sizing of Aortic Annulus by 3-Dimensional Trans –Esophageal Echocardiography.

In Yosefy C, ed.; *Principles of Practical Three-Dimensional Echocardiography*.

Ashkelon, Israel, Pe'er Hakodesh; 2016; Chapter 14:229-36.

4. **Topilsky Y, Oh JK.**
Heart Failure, LVAD, and Transplantation.
In Oh JK, eds.; The Echo manual; 2018; 4th Ed., Chapter 11:249-71.

D.1.INVITED PAPERS IN SCIENTIFIC MEETINGS

1. Idiopathic Tricuspid Regurgitation.
ACC Scientific Sessions, March 2012. Invited speaker/Faculty.
2. Normal LVAD Findings.
ASE Scientific Sessions, June 2012. Invited speaker/Faculty.
3. Hemodynamics of LVAD.
Samsung Mayo Critical Care Cardiology Symposium July 2012. Invited Speaker/Faculty.
4. Post operative management of patients with LVAD.
Samsung Mayo Critical Care Cardiology Symposium, July 2012. Invited Speaker/Faculty.
5. Echo in Patients with VADs.
ASE 2013 Scientific Sessions June 2013. Invited speaker/Faculty.
6. Imaging of Tricuspid Regurgitation.
American College of Cardiology Conference, USA, March 2014. Invited speaker Oral Presentation.
7. Echo in LAVD; Echo in CRT optimization; Paradoxical Low Flow Low Gradient Severe Aortic Stenosis.
Brazilian Society of Echocardiography Conference, April 2014. Invited speaker/Faculty Oral Presentations.
8. Outcome and management of Tricuspid Regurgitation.
American Valve Heart Association Conference, USA, May 2014. Invited speaker/Faculty Oral Presentation.
9. RV dysfunction in LVAD patients.
American Society of Echocardiography Conference, USA, June 2014. Invited speaker/Faculty Oral Presentation.
10. May 2015 Monaco European Valve Heart Association Conference. Invited speaker/Faculty Oral Presentation.
11. Echo assessment of LVAD patients.
Padua University, Italy, May 2015. Invited speaker/Faculty Oral Presentation.

12. RV assessment in LVAD patients.
American Society of Echocardiography Conference, Boston USA, June 2015.
Invited speaker/Faculty Oral Presentation.
13. Right Ventricle, Assessment of diameters, volumes and mass.
European Society of Echocardiography Conference. Sevilla, Spain. December 2015. Invited speaker/Faculty Oral Presentation.
14. Etiology and natural history of Tricuspid regurgitation.
American Valve Heart Association Conference. USA. March 2016. Invited speaker/Faculty Oral Presentation.
15. Evaluation of TR the Israel Perspective.
58th Annual Conference of the Israel Heart Society, Israel. April 2017. Invited speaker/Faculty Oral Presentation.
16. Natural History of Tricuspid Regurgitation.
Workshop Consensus Manuscript committee. Chicago TR. June 2017. Invited speaker/Faculty Oral Presentation.
17. Tricuspid Valve Anatomy and Pathophysiology.
TCT Denver USA. October 2017. Invited speaker/Faculty Oral Presentation.
18. Tricuspid Valve in 2017: no longer forgotten.
European Society of Echocardiography Conference. Lisbon, Portugal. December 2017. Invited speaker/Faculty Oral Presentation.
19. The Right Stuff: Tricuspid and Pulmonic Valve Disease.
American College of Cardiology Conference. USA. April 2018. speaker/
Faculty Oral Presentations.
20. Understanding the mechanisms contributing to degenerative and functional TR.
American Valve heart Association Conference. USA. 2018.
21. Too late is too late.
Mitral Valve Meeting. Switzerland. 2018
22. Tricuspid valve: the tethering concept.
Mitral Valve Meeting. Monaco. 2018
23. Complications of Mechanical Assist Devices.
American Society of Echocardiography Conference. 2018
24. Etiologies and clinical presentation of TR: implications for therapy.
TCT. USA, 2018.
25. What does the patient with functional TR look like?
American College of Cardiology Conference. USA. 2019.

26. What the guidelines do and do not tell us?
European Valve Heart Association Conference. Spain 2019.
27. Discussant controversies in tricuspid valve.
TVT. USA 2019
28. Defining the magnitude of the TR problem.
European Society of Echocardiography Conference. Austria 2019.
29. Controversies in tricuspid valve interventions.
TCT. USA 2020.
30. Trans-catheter Tricuspid Intervention — Imaging Essentials.
TVT. USA 2020.
31. Tricuspid regurgitation: Is it time to know it Better? Annual Conference of the Brazil Heart Society. Brazil. 2020.

D.2. PAPERS PRESENTED AT SCIENTIFIC MEETINGS PUBLISHED AS PROCEEDINGS

1. **Topilski I* (Topilsky Y)***, Glick A, Belhassen B.
Idiopathic left ventricular tachycardia with a right bundle branch block morphology and left axis deviation ("Belhassen type"): results of radiofrequency ablation in 18 patients.
Presented at the 51th Annual conference of the Israeli Heart Society, Tel Aviv, Israel. April 2003 Oral presentation.
2. **Topilski I (Topilsky Y)**, Glick A, Viskin S, Belhassen B.
Frequency of spontaneous and inducible atrioventricular nodal reentry tachycardia in patients with idiopathic outflow tract ventricular arrhythmias.
Presented at the Annual Conference of the Israel Heart Society, Tel Aviv, Israel. April 2005 Oral presentation.
3. **Topilski I (Topilsky Y)**, Rogowski O, Glick A, Viskin S, Eldar M, Belhassen B. Radiofrequency ablation of atrioventricular nodal reentry tachycardia: a 14-year experience at the Tel Aviv Medical Center in 901 patients.
Presented at the 53th Annual Conference of the Israel Heart Society, Tel Aviv, Israel. April 2006 Oral presentation.
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D.3. ABSTRACTS

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

2011-present Ad hoc Reviewer Heart and Lung.

2012-present Ad hoc Reviewer JACC Imaging.

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2015-present Ad hoc Reviewer European Heart Journal.

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2015-present Ad hoc Reviewer JTCVS.

2016-present Ad hoc Reviewer AJC.

2017-present Ad hoc Reviewer JHLT.

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2017-present Ad hoc Reviewer European Heart Journal Cardiovascular Imaging.

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2015-present Member of Editorial Board, Trends in Cardiovascular Medicine (IF 4.6).

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2020-present Guest associate editor, Frontiers in Cardiovascular Medicine (IF 3.915)