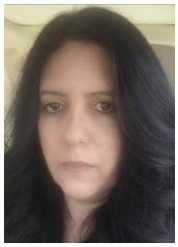
Limor Ilan Bushari, MD



Curriculum Vitae

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Full Name:	Limor Ilan Bushari
I.D. Number:	028085793
Place of Birth:	Teberia, Israel
Date of Birth:	December 13, 1970
Personal Status:	Married +1
Citizenship:	Israeli
Address:	Sitvanit 1, Zichron Ya'akov
Military Service:	1988-1991 IDF; Senior officer in a selected unit
Phone Numbers:	+972-4-6904999; +972-502000741
E-mail :	limor.ilan.b@gmail.com; limor_il@clalit.org.il; ilan_lim@mac.org.il ; Limor.IlanBushari@sheba.health.gov.il
Languages:	Hebrew, English
Medical License	MD: 1-33651; Internal Medicine: 1-1387; Cardiology: 1-1388

Current Position:

Director, Non Invasive Cardiology Unit and Valve Clinic, Emek Medical Center.

Director, Northern County Cardiologist, Maccabi Health Organization.

***Academic Degrees*:**

03/2001	M.D, Faculty of Medicine, Ben Gurion University, Be'er Sheva, Israel
1992-1998	Faculty of Medicine, Ben Gurion University, Be'er Sheva
1985- 1989	Danciger High School, Kiryat Shmona, Israel, ***Cum Laude***

Academic Appointments:

2018- Current - Clinical Lecturer/Tutor, Faculty of Medicine, Technion; Haifa; Israel.

2018- Current - Research instructor, Basic Science - Council for higher Education, Israel Medical Association

2005- 2013 - Clinical Instructor and lecturer for 4th to 6 th year medical students.
Distinguished Lecturer Award for Internal Medicine -2006
Distinguished Lecturer Award for Cardiology -2009/2010/2011/2012/2013
The Bruce Rappaport Faculty of Medicine, Technion; Haifa; Israel

Professional Experience:

12/2016 - Current: Director, Non Invasive Cardiology Unit and Valve Clinic
Heart Institute, Emek Medical Center, Afula, Israel

07/2018- Current: Director, Northern County Cardiology, Maccabi Health Organization

12/2017- Current: Senior Physician, Echocardiography, Heart Institute, Sheba Medical Center, Israel

11/2015- 11/2016: Senior physician, Echocardiography and Valve clinic, Rambam Health Care Campus, Haifa, Israel

11/2015- 11/2017: Research Collaborator, Echocardiography, Cardiovascular Diseases Division, Mayo Clinic, Rochester, MN USA

09/2014- 09/2015: Advance Fellow, Adult Cardiology, Cardiovascular Diseases, Division, Mayo Clinic, Rochester, MN USA

09/2013 – 09/2014: Advanced Fellow, Echocardiography lab, Cardiovascular Diseases, Division, Mayo Clinic, Rochester, MN USA

10/2012 – 08/2013: Interventional Cardiologist in Catheterization Unit

01/ 2009 - 10/2012: Fellow in Catheterization Unit, Ha'Emek Medical Center, Afula, Israel.

01/2008- 01/2009: Physician in charge, Intensive Cardiac Care Unit, Ha'Emek Medical Center, Afula, Israel.

08/2005- 12/2012: Fellow in the Heart Institute, Ha'Emek Medical Center

12/2001- 07/2005: Resident, Internal Medicine Ward B, Ha'Emek Medical Center, Afula.

04/1999- 03/2000: Internship, Ha'Emek Medical Center, Afula, Israel, ***Cum Laude***

01/1996- 06/1998: Doctors Assistant in an Internal Ward, Soroka Medical Center, Be'er Sheva, Israel.

Certifications:

2020 - ACLS, Emek Medical Center

03/2016- ACLS, Rambam Health Care Campus

09/2015 – Advanced Adult Cardiology Fellowship– Mayo Clinic, Rochester MN, USA

09/2014 – Echocardiography Fellowship - Mayo Clinic, Rochester MN, USA

04/ 2014 - Mayo Clinic Echocardiography Board Review course. Mayo Clinic, Rochester, MN, USA

09/ 2014 - Mayo Clinic Interventional Board Review Course. Mayo Clinic, Rochester, MN, USA

09/2013 - ECFMG- USMLE Certification (step 1, 2 CK, CS).

12/2012 - Completed Part B of Israel Cardiology Specialization Exam Boards, Israel

2012 - Course of Biostatistics for Medical Staff, Ha'Emek Medical Center.

05/2010 - GCP (Good Clinical Practice) Certification for conducting clinical trials.

2009 - Workshop in Acute MI- Akademie Kardiologie, Cardioskills, Frankfurt Simulation Center.

06/2005 - Completed *Part* B of Israel Internal Medicine Specialization Exam Boards, Israel

03/2000 - M.D, Ben Gurion University, Be'er Sheva, Israel

Public Professional Activities:

2017- Current: Member of Cardiology Equipment Committee**,** Clalit Health Organization
2018- Current: MitraClip: Clinical Echocardiography Proctor, Abbot Vascular
2019- Current: LAA closure: Clinical Echocardiography Proctor; Gamida and Medtechnica
2020- Current: TTR Amyloid; Medical Consultant, Pfizer.

Membership in Professional Societies:

2018- Present: American College of Cardiology

2017 – Present: European Society of Echocardiography

2014- Present: American Society of Echocardiography

2013- Present- American Medical Association

2009- Present – American Heart Association

2009 - Present: Israel Heart Society

2010 - Present: European Heart Association

2001 - Present: Israel Internal Medicine Association

1999 - Present: Israel Medical Association

Awards and Honors:

2013 - ***Won the Israel Heart Society Scholarship*** for Fellowship in Echocardiography At Mayo Clinic, Rochester, MN USA

2009/2010/2011/2012/2013 - *Distinguished Lecturer Award* for Cardiology, Faculty of Medicine, Technion, Haifa, Israel.

2009 - ***Fellow's Outstanding Excellency Award***- Elected and awarded by Ha'Emek Medical Center CEO (3000 NIS)

2006 - *Distinguished Lecturer Award* for Internal Medicine, Faculty of Medicine, Technion, Haifa, Israel.

2000 - Completed ***rotating Internship***, Ha'Emek Medical Center, Afula, Israel ***Cum Laude*.**

Research Interests:

Among my research interests, I focus on cardio- oncology, stress echo and valvular heart diseases. Currently, guiding an intern (internal ward) in his residency research work.
I'm involved in extensive research in the speckle tracking field, a novel strategy to recognize myocardial damage; 3D imaging and stress echo, including AI (artificial intelligence projects). In addition, as a clinician, I consider conceptual reviews and original studies as highly important and contributory to the medical community, and as an inherent part of my medical work.

PUBLICATIONS:

Thesis:

2012: CaRdiovascular and Echocardiographic Assessment in HyperTensION during Pregnancy. CREATION- P Study**.**

Original Papers and Case Reports:

1. Khalid Suleiman**,** Alexander Feldman**,** ***Limor Ilan- Bushari***, Yoav Turgeman. Transradial Diagnostic and Interventional Cardiac Catheterization in Daily Practice: Advantages, Efficacy and Safety. Harefua. 2008 May;147(5):388-93, 479

2. M. Jabaren , K Suleiman , ***Limor Ilan Bushari*** , N. Freedberg , L Bloch , Y Turgeman. Asymmetric commissural fusion and rheumatic mitral stenosis; immediate results after percutaneous mitral commissurotomy. European Heart Journal-Cardiovascular Imaging. Dec. 2006

3. ***L. Ilan Bushari***, Lev Bloch, Yoav Turgeman, Khalid Suleiman, B. Medalion: An unusual case of takotsubo cardiomyopathy. ESC communities: http//www.ESC cardiologist of tomorrow: Clinical cases Sep 2010

4. Y. Drori , N. Gil , I. Aziza , M. Azriel ***, L. Ilan-Bushari*** , Y. Turgeman. Mobility protocol for acute myocardial infarction in ICCU. European Journal of Cardiovascular Nursing. Mar 2012

5. Yoav Turgeman, Alexander Feldman, Khalid Suleiman, ***Limor Ilan Bushari***, Idit Lavi, Lev Bloch. Mild rheumatic mitral regurgitation in the presence of dominant stenotic pliable valve: an echocardiographic structural valve analysis in patients undergoing balloon valvuloplasty. IMAJ 2013 14(10):629-32

6. Yoav Turgeman, Khalid Suleiman, Alexander Feldman, ***Limor Ilan Bushari.*** Transradial Diagnosis and Intervention of Supraaortic Vessels. J Invasive Cardiol 2013;25(6):2-5

7. Yoav Turgeman, ***Limor Ilan Bushari***, Dante Antonelli, Alexander Feldman, Lev Bloch, Khalid Suleiman. Catheter Aspiration after every stage during Primary Percutaneous Angioplasty; ADMIT Trial: Int J Angiol 2014; 23(01): 029-040

8. Alexander Feldman, Khalid Suleiman, ***Limor Ilan Bushari***, Malka Yahalom, Ehud Rozner, Nahum Adam Freedberg, Yoav Turgeman. Bivalirudin versus Unfractionated Heparin during Percutaneous Coronary Intervention in Patients at High Risk for Bleeding. Int J Angiol 2014

9. Zohar Nachum ***, Limor Ilan-Bushari*** , Mohamed Jabaren, Yoav Turgeman , Eliezer Shalev , Raed Salim. Cardiovascular and echocardiographic assessment in hypertension during pregnancy. Jan 2014 · American Journal of Obstetrics and Gynecology. Jan 2014

10. Antonelli D, Freedberg NA, ***Bushari LI***, Feldman A, Turgeman Y. Permanent Pacing in Nonagenarians over 20-Year Period. Pacing Clin Electrophysiol. 2014 Sep 5. doi: 10.1111/pace.12499

11. ***Limor Ilan Bushari,*** L. Brewer, D. Jr. Holmes, T. A. Foley, R.E. Espinosa. Mediastinal Mass: A Picture is Worth a Thousand Words. EHJ Cardiovascular Imaging , Feb. 2015

12. ***Limor Ilan Bushari***, Geber Yariv, Sorin Pislaru , Veronique Roger ,Toshiyuki Kimura , Susan Weston , Sheila Manemann , Maurice Enrique Sarano. Deformation imaging in acute myocardial infarction: a community perspective. Journal of the American College of Cardiology 67(13):1785. March 2016

13. Dante Antonelli***, Limor Ilan Bushari***, Nahum A Freedberg, Alexander Feldman, Yoav Turgeman. Trends of permanent pacemaker implantation in a single canter over a 20-year period. Harefua 154(5):288-91, 340. April 2015.

14. ***Limor Ilan Bushari,*** Guy S. Reeder, Mackram F. Eleid, Krishnaswamy Chandrasekaran, Maurice E. Sarano, Charanjit S. Rihal, Josef F. Maalouf. Percutaneous Transcatheter Edge-to-Edge MitraClip Technique: A Practical "Step-by-Step" 3-Dimensional Transesophageal Echocardiography Guide. Mayo Clin Proc 94(1):89-102. January 2019

15. ***Limor Ilan Bushari,*** Sagit Ben Zikry. Tricuspid Clip. Echo SAP Chapter .American College of Cardiology. Submitted *(In Press) , 2021*

Abstracts (+ Presentation in conferences):

1. ***Limor Ilan- Bushari***, Khalid Suleiman, Alexander Feldman, Mohamed Jabaren, Yoav Turgeman. Use of Thrombus Aspiration Device in Acute Coronary Syndrome: Is it a Real Solution for No- Reflow Phenomenon? The 54th Annual Conference of the Israel Heart Society Apr. 2007.

2. ***Limor Ilan- Bushari,*** Khalid Suleiman, Alexander Feldman, Atar Shaul, Mohamed Omri, Adi Francis, Yoav Turgeman. Aspiration during Every Stage of Primary PCI: "ADMIT"- Trial: Mid – Term Results. The 55th Annual Conference of the Israel Heart Society Apr. 2008**.**

3. ***Limor Ilan- Bushari*****,** Shaul Atar, Yoav Turgeman, Shlomo Behar. Optimal Timing of Percutaneous Coronary Intervention after Successful Thrombolysis – Analysis of Data from ACSIS 2002- 2006. The 55th Annual Conference of the Israel Heart Society Apr. 2008**.**

4. Khalid Suleiman**,** ***Limor Ilan- Bushari*****,** Alexander Feldman**,** Yoav Turgeman. Late Drug Eluting Stent Thrombosis: Clinical, Angiographic and Intravascular Ultrasound Characteristics. The 55th Annual Conference of the Israel Heart Society Apr. 2008**.**

5. Khalid Suleiman**,** Alexander Feldman, Nahum Adam Freedberg, Dante Antonelli **,** ***Limor Ilan- bushari*** **,** Lev Bloch, Yoav Turgeman. Urgent Coronary Catheterization in the Daily Practice: Indications and Changes Over 10 Years. The 55th Annual Conference of the Israel Heart Society Apr. 2008**.**

6. Yoav Turgeman, Alexander Feldman, Sandra Sagas, ***Limor Ilan- Bushari*****,** Lev Bloch. Functional Mitral Regurgitation Assessed by Echocardiographic Sphincter Index. The 55th Annual Conference of the Israel Heart Society Apr. 2008**.**

7. Khalid Suleiman**,** Alexander Feldman**,** ***Limor Ilan- Bushari*****,** Shaul Atar, Mohamed Jabaren, Lev Bloch, Yoav Turgeman. Safety and Feasibility of Transradial Primary Coronary Intervention in Patients with Acute Myocardial Infarction. The 55th Annual Conference of the Israel Heart Society Apr. 2008**.**

8. Y. Turgeman, ***Limor Ilan- Bushari***, A. Feldman, T. Or, A. Sabanchiev, S. Sagas, M. Jaberen, L. Bloch, K. Suleiman. Percutaneous Balloon Mitral Valvuloplasty: 1990 versus 2007. Is There any Difference between the "Old" versus "Nowadays"? The 56th Annual Conference of the Israel Heart Society Apr. 2009

9. ***Limor Ilan- Bushari*** , K. Suleiman , A. Feldman , H. Yuker , Y. Turgeman Prolonged Intra- Aortic Balloon Counterpulsation Support: Patients Clinical Profile and in Hospital Course: Four Years Analysis from the ABCD-1 Trial (Aortic Balloon Counterpulsation Device). The 56th Annual Conference of the Israel Heart Society Apr. 2008

10. A. Feldman, A. Sabanchiev, Z. Or , ***Limor Ilan- Bushari*** , K. Suleiman , Y. Turgeman PREtreatment with CLOpidogrel in LOw Doses in Stable Angina Pectoris Patient Before Elective Coronary Angiography ± ad hoc Percutaneous Coronary Intervention Radial versus Femoral Approach PRECLOD Trial. The 56th Annual Conference of the Israel Heart Society Apr. 2009

11. ***Limor Ilan - Bushari***, K. Suleiman, H. Yuker, A. Feldman, M. Jabaren, Y. Turgeman. Long Term Complications and Predictors for Intra-Aortic Balloon Counterpulsation (IABC) Removal after Prolong Support: The ABCD-1 Trial. The 56th Annual Conference of the Israel Heart Society Apr. 2009

12. ***Limor Ilan- Bushari*** , K. Suleiman , H. Yuker , A. Feldman , M. Jabaren , L. Bloch , Y. Turgeman Predictors of Mortality after Prolonged Intra-Aortic Balloon Counterpulsation (IABC) Support: ABCD-1 Trial. The 56th Annual Conference of the Israel Heart Society Apr. 2009

13. M. Jabaren , K. Suleiman , E. Rozner ***, Limor Ilan -Bushari*** , L. Bloch , Y. Turgeman Peripartum Cardiomyopathy; Time to Look to the Right. The 56th Annual Conference of the Israel Heart Society Apr. 2009

14. Y. Turgeman, S. Sagas, M. Jabaren, ***Limor Ilan- Bushari***, A. Feldman, K. Suleiman, A.A. Fredberg, L. Bloch Why do People with Lone Atrial Fibrillation Develop AV Valve Regurgitation? The 56th Annual Conference of the Israel Heart Society Apr. 2009

15. Y. Turgeman, ***Limor Ilan -Bushari***, M. Jabaren, S. Sagas, A. Feldman, D. Antonelli, A.N. Freedberg, K. Suleiman, L. Bloch. Can Lone Atrial Fibrillation Induce AV valve Regurgitation? The 56th Annual Conference of the Israel Heart Society Apr. 2009

16. Y. Turgeman, S. Sagas, A. Feldman, ***Limor Ilan- Bushari***, K. Suleiman Diagnosis and Intervention of Non coronary vascular disease in Patients Initially Referred for Coronary Angiography: Time has come to be Active! The 56th Annual Conference of the Israel Heart Society Apr. 2009

17. K. Suleiman , A. Feldman ***, Limor Ilan -Bushari*** , Y. Turgeman. Implementation of Transradial Coronary Catheterization Program: Causes and Predictors of Procedural Failure. The 56th Annual Conference of the Israel Heart Society Apr. 2009

18. K. Suleiman , ***Limor Ilan- Bushari*** , A. Feldman , M. Jabaren , L. Bloch , A.N. Fredberg , Y. Turgeman.Primary Percutaneous Coronary Intervention in Patients with Acute Myocardial Infarction: Radial versus Femoral Approach. The 56th Annual Conference of the Israel Heart Society Apr. 2009

19. A. Feldman, A. Sabanchiev, Z. Or , ***Limor Ilan- Bushari*** , K. Suleiman , Y. Turgeman PREtreatment with CLOpidogrel in LOw Doses in Stable Angina Pectoris Patient

Before Elective Coronary Angiography ± ad hoc Percutaneous Coronary Intervention PRECLOD Trial. The 56th Annual Conference of the Israel Heart Society Apr. 2009

20. Jabaren, Mohamed; ***Ilan Bushari, Limor***; Suleiman, Khalid; Bloch, Lev; Freedberg, Nahum;Turgeman, Yoav: Fulminant versus Non Fulminant Myocarditis; Clinical Characteristics and Early Outcome. The 59th Annual Conference of the Israel Heart Society Apr. 2011

21. Feldman, Alexander; ***Bushari, Limor***; Rozner, Ehud; Suleiman, Khalid; Freedberg, NahumAdam; Turgeman, Yoav. AntiCoagulant Regimen during PCI In high risk PAtients for Bleeding - ACRIPAB Trial. The 59th Annual Conference of the Israel Heart Society Apr. 2011

22. Turgeman Yoav, ***Ilan Bushari Limor***, Bloch Lev. Factors Affecting Prognosis after surgery for Functional Mitral Regurgitation. The 60th Annual Conference of the Israel Heart Society Apr. 2013

23. Zohar Nachum, ***Limor Ilan-Bushari***, Mohamed Jabaren, Yoav Turgeman, Eliezer Shalev, Raed Salim. Cardiovascular and echocardiographic assessment in Hypertension during pregnancy. www.ACOG.com (2014)

24. Malka Yahalom, ***Limor Ilan-Bushari***, Lev Bloch, Yoav Turgeman. Tako-Tsubo Cardiomyopathy in Elderly Patients with Alzheimer Disease– Clinical Significance and Implications. The 62th Annual Conference of the Israel Heart Society Apr. 2014

25. Oral Presentation: Mitral Clip: Novel Therapeutic Approach to an Old Disease: Mayo Clinic; Cardiac Imaging Ground Rounds, Mayo Clinic, Rochester MN, USA. 07/2014.

26. Oral Case Presentation: Mayo Clinic; Cardiovascular Board Review course Echo session. Mayo Clinic, Rochester, MN, USA. 08/2014.

27. Oral Presentation: Hypertension in pregnancy. Mayo Clinic; Cardiac Imaging Ground Rounds, Mayo Clinic, Rochester MN, USA. 03/2014.

28. Oral Presentation: 2D speckle tracking in Acute MI. Mayo Clinic; Cardiac Imaging Ground Rounds, Mayo Clinic, Rochester MN, USA. 07/2014.

29. Oral Presentation: Bio prosthesis- detecting a thrombus by Multi-modality imaging: Cardiac Imaging Ground Rounds. Cardiology, Rambam Health Care Campus, Haifa. Israel. 12/2015

30. Oral Presentation: Cardio- oncology – the incremental value of 2D speckle tracking. Cardiac Imaging Ground Rounds. Cardiology, Rambam Health Care Campus, Haifa. Israel. 09/2016

31. Oral Presentation: Severe Aortic Stenosis with concomitant significant valvular disease. The 6th Heart Valve Summit of the Israel Heart Society. Tel Aviv, Israel. 2018

32. Oral Presentation: Mitral Clip; patient selection; Community cardiologist role. Echo and community conference. Sami Ofer Heart Institute, Ichilov Medical Center, Tel Aviv. Israel. 2019

33. Oral Presentation: ATTR Amyloid, Echocardiography Role, ATTR Webinar Series. Israel. 2020