

## **Curriculum Vitae**

### **Tal Hasin, MD**

Tal Hasin, M.D

Medical License Number 30981(Issued 1998)

Specialist in Internal Medicine License Number 28700 (Issued 2010)

Specialist in Cardiology License Number 28701(Issued 2010)

Last academic rank: Senior Lecturer, Tel Aviv University, Israel (2013).

Current professional position: Director of Heart Failure Unit, Shaare Zedek Medical Center, Jerusalem, Israel.

#### **1. Personal Details**

<b>Date of birth</b>	May 27, 1972
<b>Country of birth</b>	Israel
<b>Identity number</b>	02934218-5
<b>Nationality</b>	Israeli
<b>Marital Status</b>	Married + 5
<b>Military service</b>	Completed mandatory service as physician and officer in 2003. Currently in IDF reserve (Major)
<b>Home Address</b>	2 Hadas Street, Kochav Yair 44864, Israel
<b>Work Address</b>	Jesselson integrated heart center, Heart Failure Unit, Shaare Zedek Medical Center, 12 Hans Bait Street, P.O.B 3235, Jerusalem 9103102, Israel
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**2. Higher Education**

- 1990 - 1996** Hadassa Medical School, the Hebrew University, Jerusalem, Israel.  
M.D. awarded 12/1998
- MD Thesis: *The chronic effects of a Cytokine secreting tumor (secreting IL-1 or IL-6) on the lipid metabolism in mice.*  
Principal Supervisor: Prof. Tova Chajek-Shaul.  
[Item: #2 in the list of publications is derived from this research]
- 2002 - 2010** Combined Specialization in Internal Medicine and Cardiology, Israel
- 2010 - 2012** Advanced heart failure fellowship at the Mayo Clinic, Rochester U.S.A. Host: Prof. Sudhir Kushwaha.
- 2014 - 2015** Bio-design course, Hebrew University, Jerusalem, Israel

**3. Appointments at the Hebrew University**

None

**4. Additional Functions/Tasks at the Hebrew University**

- 1994** Basic biology research, Department of Cancer Research, Hebrew University, Jerusalem Israel. Supervisor: Prof. R. Laskov.
- 1996** Basic biology research, Department of Lipid and Metabolism Research, Hebrew University, Jerusalem Israel. Supervisor: Prof. T. Chajek-Shaul

**5. Service in other Academic and Research Institutions**

- 2000 - 2002** Epidemiology and infection control research, IDF, Israel. Supervisor: Prof. Daniel Cohen.
- 2006 – 2010** Basic biology research, Department of Molecular Biology, Technion, Haifa Israel. Supervisor: Prof. Ami Aronheim.
- 2011 – 2012** Stem cell research, Mayo clinic, U.S.A. Supervisor: Prof. Timothy Nelson.
- 2013 – 2014** Senior Lecturer, Tel-Aviv University, Israel.

**6. Other Activity**

**Awards**

- 2010** Exceptional resident in cardiology award (Israel Heart Society).
- 2010** "Ofakim" Interventional cardiology award (Rambam medical center).

**Membership in Professional Societies**

- 2006 -** Israel Heart Society
- 2013 - 2014** Israel Transplantation Society
- 2014-** International Society of Heart and Lung Transplantation
- 2015-** European Society of Cardiology
- 2016-** European Heart Failure Association
- 2016-** Mechanical Circulatory Support Study Group of the European Heart Failure Association
- 2017-** Fellow of the Heart Failure Association (FHFA) of the European Society of Cardiology
- 2017-** Secretary, Heart Failure working group of the Israel Heart Society
- 2018-** ACC International Heart Failure Work Group

**Editorial Board of Scientific Journals**

Austin Cardio&Cardiovascular Case Reports

**Review of Scientific Journals**

*European Journal of Heart Failure* (frequent reviewer)  
*Transplantation* (frequent reviewer)  
*The European Journal of Cardiovascular Nursing*  
*International Journal of Cardiology*  
*Israeli Medical Association Journal*  
*Heart Lung and Circulation*  
*Acute Cardiac Care*

**Active Participation in International Scientific Meetings**

<b>2003</b>	Israel	“Shoresh”, infectious disease meeting
<b>2004</b>	Israel	ISPPTD, infectious disease meeting
<b>2007</b>	Austria	European Society of Cardiology, annual meeting
<b>2007</b>	Israel	Israeli Society of Heart Research, annual meeting
<b>2007</b>	Israel	Federation of the Israeli Societies for Experimental Biology, annual meeting
<b>2008</b>	Israel	Israeli Heart Society annual meeting
<b>2008</b>	Germany	European Society of Cardiology, annual meeting
<b>2008</b>	U.S.A.	American Heart Association annual meeting
<b>2010</b>	Denmark	Acute Cardiac Care annual meeting <i>Invited speaker and moderator</i>
<b>2011</b>	U.S.A.	International Society of Heart and Lung Transplant annual meeting
<b>2011</b>	Israel	Israeli Heart Society annual meeting
<b>2011</b>	Israel	Acute Cardiac Care annual meeting <i>Invited speaker</i>
<b>2011</b>	U.S.A.	American Heart Association annual meeting
<b>2012</b>	U.S.A.	American College of Cardiology annual meeting
<b>2012</b>	Israel	Israeli Heart Society annual meeting
<b>2012</b>	Czech Republic	International Society of Heart and Lung Transplant annual meeting
<b>2012</b>	Lithuania	Intensive and Invasive Cardiology annual meeting <i>Invited Speaker</i>
<b>2012</b>	U.S.A.	American Heart Association annual meeting
<b>2013</b>	Canada	International Society of Heart and Lung Transplant annual meeting
<b>2013</b>	Israel	Israeli Heart Society annual meeting
<b>2013</b>	Portugal	European Heart Failure Society Annual Meeting
<b>2013</b>	Israel	Acute Cardiac Care annual meeting

		<i>Invited speaker</i>
<b>2014</b>	U.S.A	American College of Cardiology annual meeting
<b>2014</b>	Lithuania	Intensive and Invasive Cardiology annual meeting <i>Invited speaker</i>
<b>2014</b>	Switzerland	Acute Cardiovascular Care annual meeting <i>Invited speaker</i>
<b>2014</b>	Israel	Joint Society meeting on Heart and Kidney <i>Invited speaker</i>
<b>2014</b>	Israel	Acute Cardiac Care annual meeting <i>Invited speaker</i>
<b>2015</b>	Israel	IMCO International Meeting on CardioOncology <i>Invited speaker</i>
<b>2015</b>	Israel	Israeli Heart Society annual meeting <i>Session chair</i>
<b>2016</b>	Israel	Israeli Heart Society annual meeting
<b>2017</b>	Israel	Acute Cardiac Care annual meeting <i>Invited speaker</i>
<b>2017</b>	Israel	Israeli Heart Society annual meeting
<b>2017</b>	Israel	IMCO International Meeting on CardioOncology <i>Invited speaker</i>
<b>2017</b>	Lithuania	30 years of Heart Transplantation in Lithuania <i>Invited speaker</i>
<b>2017</b>	Israel	Israeli Hypertension Society annual meeting <i>Invited speaker</i>
<b>2018</b>	Israel	Israeli Heart Society annual meeting, <i>Session chair,</i> <i>Invited speaker.</i>
<b>2018</b>	Israel	EuroCVP 2018, <i>Invited speaker</i>
<b>2018</b>	Israel	Acute Cardiac Care, <i>Invited speaker</i>
<b>2018</b>	Lithuania	Intensive and Invasive Cardiology annual meeting <i>Invited speaker</i>

**Supervision of MD Thesis Projects of Medical Students**

- 2008 - 2010** Alex Sorkin, Anemia post-Myocardial Infarction.  
Technion. MD in collaboration with Prof. Doron Ahronson.
- 2012 - 2017** Ilan Richter, Identification of risk factors and models for predicting the clinical course of patients in the heart failure clinic.  
Tel-Aviv university, MD-MpH in collaboration with Prof. Yariv Gerber.
- 2015 -** Ran Fisher, CRI and prognosis of patents with heart failure, comparison to the Seattle heart failure model.  
Hebrew university, Hadassah Medical School. MD
- 2015-** Ali Nugidat, Changes in QRS duration in patients with reduced ejection fraction.  
Hebrew university, Hadassah Medical School. MD
- 2016-** Neoras Araida, Patients With Pulmonary Hypertension Due To Left Heart Disease: Echocardiographic Improvement Over 3-24 Months and Patient Characteristics.  
Hebrew university, Hadassah Medical School. MD

**Professional Experience**

- 1995** One month clerkship at the cardiac intensive care unit, Johns Hopkins Hospital, Baltimore, U.S.
- 1997 – 1998** Internship in the Chaim Sheba Medical Center, Tel Hashomer, Israel.
- One month elective at the Medical Department, Central Hospital of Lilongue, Malawi, Africa.
- 1998 – 2001** Service in the Israeli Defense Force as physician and officer.
- 2002 – 2005** Resident in Internal medicine, Hadassah-Hebrew University Medical Center, Jerusalem, Israel.
- 2006 – 2010** Resident in Cardiology, Rambam Medical Center, Haifa, Israel
- 2010** Attending physician, Cardiovascular Surgery intensive care unit, Rambam Medical Center, Haifa, Israel.
- 2010 – 2012** Clinical fellow, Advanced heart failure (Mechanical assist device and heart transplant), Mayo Clinic, Rochester Mn. USA.

**2012 – 2014** Consultant, Transplant and Heart Failure unit, department of Cardiology, Rabin Medical Center, Petach-Tikva, Israel.

**2014 -** Director of Heart Failure unit, Jesselson integrated heart center, Shaare Zedek medical center, Jerusalem, Israel.

## **7. Research Grants**

**2001** Israel, IDF health corps, “Ligase chain reaction (LCR) screening for *Neisseria gonorrhoeae* and *Chlamydia trachomatis* in a large military clinic compound as an aid to clinical diagnosis and prevention policy” T. Hasin, (PI) et al. 59,000 NIS.

**2002** Israel, Israel chief scientist grant, “Prevention of Tick- Borne Relapsing Fever in Soldiers Training in an Endemic Area With Post exposure Doxycycline treatment” T. Hasin, (PI) et al. 20,000 NIS.

[Items: #4, #5 in the list of publications are derived from this research]

**2007** Israel, Rambam Internal Medicine grant, “Anemia occurring subsequent to acute myocardial infarction: mechanisms and association with long-term morbidity and mortality” T. Hasin, D. Aronson. 6000 USD

[Item: #8 in the list of publications is derived from this research]

**2007** Israel, Rambam "Atidim" grant in memory of Itai Sharon. Personal grant for two years. “The role of Basic Leucine Zipper (bZIP) protein mediated transcription in atrial hypertrophy and dilatation.” T. Hasin. 68000 USD.

[Items: #9-#11 in the list of publications are derived from this research]

**2010** USA, Mayo Clinic fellowship grant from the IHS. T. Hasin, 43000 USD.

[Items: #12-#26 in the list of publications are derived from this research]

**2011** USA, Thoratec, unrestricted grant for LVAD research. S. Kushwaha, T. Hasin, S. Park. 25000 USD.

[Item: #28 in the list of publications are derived from this research]

- 2015** Mirsky Foundation, “Magnetic Resonance Imaging Findings in Patients with Heart Failure and Preserved Systolic Function Before and After Treatment with Magnesium” T. Hasin (PI) 20,000 NIS.
- 2015** Israel, unrestricted grant from Therumo to advance the 2014 Bio-design course (Hebrew University) project “Venovision” 50,000\$
- 2016** Israel, Novartis, “Shaare Zedek Heart Failure BioBank Project” T. Hasin (PI). 60810 NIS
- 2017** LinkEdge grant, 30,000 NIS

**Principle Investigator in Industry Initiated Research:**

- 2015-** Pulmonary Hypertension in Patients with Heart Failure: Israeli registry
- 2015- 2018** REPORT-HF (Novartis)
- 2016-** VICTORIA (Merk)
- 2016-** CHIARA MIA (Bayer)
- 2017-** PANTHEON (Bayer)
- 2017-** PANACHE (Bayer)

**8. Teaching at the Hebrew University**

- 2002-2005** Active teaching of medical students (4th and 6th year) during their Internal medicine clerkship at Hadassah Mt. Scopus, Hebrew University.
- 2014 –** Introduction to internal medicine for 4th year medical students, “device therapy in heart failure”.
- 2014-2015** Palliative care course, “palliative care for heart failure patients”.
- 2014 -** MKSAP for internal medicine residents and fellows, “heart failure”.
- 2014 -** Active teaching of medical students (4th and 6th year) during their Internal medicine and cardiology clerkships.

**9. Other teaching**



- 2006-2010** Active teaching of medical students (4th and 6th year) during their Internal medicine and cardiology clerkships at Rambam Medical Center, the Technion.
- 2013-2014** Active teaching of medical students (4th and 6th year) during their Internal medicine and Cardiology clerkship at Rabin Medical Center, Tel-Aviv University.
- Dec 2013** Lecturer in “clinical thinking” course for 3<sup>rd</sup> year medical students, Tel-Aviv University.
- 2013-2014** Active teaching of cardiology and internal medicine fellows at Rabin Medical Center, Tel-Aviv University.
- 2013-2017** Invited lecturer to the Cardiology fellows pre-final examination course (“shoresh”) on the subject of “device therapy in heart failure” and on “medical treatment of heart failure”.
- Jul 2015** Invited lecturer to the Technion Cardiology review course for fellows on the subject of “restrictive cardiomyopathies”.

## Tal Hasin, M.D

### LIST OF PUBLICATIONS

#### Abbreviations Used

PI	Principal Investigator
S	Student
C	Co-researcher
T	Technician/laboratory assistant
NA	Not Available

### Doctoral Dissertation

Hasin, T. (1998): The chronic effects of a Cytokine secreting tumor (secreting IL-1 or IL-6) on the lipid metabolism in mice. The Hebrew University, Hadassah Medical School. Principal Supervisor: Prof. Tova Chajek-Shaul.

### Chapters in books

1. Hasin, T., Raichlin, E., Dispenzieri, A., & Kushwaha, S. (2013). Treatment of End Stage Heart Failure Related to Cardiac Amyloidosis. In: Feng, D. (2013) Amyloidosis. InTech Open. <http://www.intechopen.com/books/editor/amyloidosis>
2. Hasin, T., Rav-Acha, M. (2016). Sexual function in adults with implantable cardioverter-defibrillators/pacemaker recipients In: Psychological, Emotional, Social and Cognitive Aspects of Implantable Cardiac Devices (2017) In print (Springer).

### Articles

1. Jaffe, J.<sup>C</sup>, Hochberg, M.<sup>C</sup>, Riss, J.<sup>C</sup>, **Hasin, T.<sup>C</sup>**, Reich, L.<sup>T</sup>, & Laskov, R.<sup>PI</sup> (1995). Cloning, sequencing and expression of two isoforms of the murine oct-1 transcription factor. *Biochimica et Biophysica Acta (BBA)-Gene Structure and Expression*, 1261(2), 201-209.  
[Impact Factor: 1.704 Impact Rank: 187/263, 47/69]
2. Metzger, S.<sup>C</sup>, **Hassin, T.<sup>C</sup>**, Barash, V.<sup>C</sup>, Pappo, O.<sup>C</sup>, & Chajek-Shaul, T.<sup>PI</sup> (2001). Reduced body fat and increased hepatic lipid synthesis in mice bearing interleukin-6-secreting tumor. *American Journal of Physiology-Endocrinology and Metabolism*, 281(5), E957-E965.  
[Impact Factor: 4.142 Impact Rank: 31/138, 14/84]
3. Klement, E.<sup>C</sup>, Uliel, L.<sup>C</sup>, Engel, I.<sup>C</sup>, **Hasin, T.<sup>C</sup>**, Yavzori, M.<sup>C</sup>, Orr, N.<sup>C</sup>, Davidovitz, N.<sup>C</sup>, Lahat, N.<sup>C</sup>, Srujo I.<sup>C</sup>, Zangvil, E.<sup>C</sup> & Cohen, D.<sup>PI</sup> (2003). An outbreak of pertussis among young Israeli soldiers. *Epidemiology and Infection*, 131(03), 1049-1054.  
[Impact Factor: 2.075 Impact Rank: 59/84, 72/176]
4. **Hasin, T.<sup>PI</sup>**, Leibowitz, D.<sup>C</sup>, Rot, D.<sup>C</sup>, Weiss, Y.<sup>C</sup>, Chajek-Shaul, T.<sup>C</sup> & Nir-Paz, R.<sup>C</sup> (2005). Early treatment with activated protein C for meningococcal septic shock: case report and literature review. *Intensive Care Medicine*, 31(7), 1002-1003.  
[Impact Factor : 12.015 Impact Rank: 3/33]
5. Elinav, E.<sup>PI</sup>, Shapira, Y.<sup>C</sup>, Ofran, Y.<sup>C</sup>, **Hassin, T.<sup>C</sup>** & Ben-Dov, I.Z.<sup>C</sup> (2005). Near-Fatal Amitraz Intoxication: The Overlooked Pesticide. *Basic & Clinical Pharmacology & Toxicology*, 97(3), 185-187.  
[Impact Factor : 3.176 Impact Rank: 75/257, 25/92]
6. Hershcovici, T.<sup>PI</sup>, Chajek-Shaul, T.<sup>C</sup>, **Hasin, T.<sup>C</sup>**, Amar, S.<sup>C</sup>, Hiller, N.<sup>C</sup>, Prus, D.<sup>C</sup> & Peleg, H.<sup>C</sup> (2006).

Familial Mediterranean fever and peritoneal malignant mesothelioma: a possible association? *Israel Medical Association Journal*, 8(7), 509-511.  
[Impact Factor : 0.51 Impact Rank: 78/103]

7. Abramowitz Y.<sup>C</sup>, **Hasin, T.<sup>C</sup>**, Hiller, N.<sup>C</sup>, Chajek-Shaul, T.<sup>PI</sup> & Hershcovici, T.<sup>C</sup> (2006).

Thromboembolic renal infarction due to a renal artery aneurysm in a patient with Ehlers-Danlos syndrome type IV. *European Journal of Internal Medicine*, 17(5), 377-379.

[Impact Factor : 2.960 Impact Rank: 30/155]

8. **Hasin, T.<sup>PI</sup>**, Leibowitz, D.<sup>C</sup>, Antopolsky, M.<sup>C</sup> & Chajek-Shaul, T.<sup>C</sup> (2006).

The use of low-dose insulin in cardiogenic shock due to combined overdose of verapamil, enalapril and metoprolol. *Cardiology*, 106(4), 233-236.

[Impact Factor : 1.742 Impact Rank: 87/126]

9. Halperin, T.<sup>PI</sup>, Orr, N.<sup>C</sup>, Cohen, R.<sup>C</sup>, **Hasin, T.<sup>C</sup>**, Davidovitch, N.<sup>C</sup>, Klement, E.<sup>C</sup>, Kayouf R.<sup>C</sup>, Baneth, G.<sup>C</sup>, Cohen, D.<sup>C</sup>, & Yavzori, M.<sup>C</sup> (2006).

Detection of relapsing fever in human blood samples from Israel using PCR targeting the glycerophosphodiester phosphodiesterase (GlpQ) gene. *Acta Tropica*, 98(2), 189-195.

[Impact Factor: 2.218 Impact Rank: 18/36, 7/19]

10. **Hasin, T.<sup>PI</sup>**, Davidovitch, N.<sup>C</sup>, Cohen, R.<sup>C</sup>, Dagan, T.<sup>C</sup>, Romem, A.<sup>C</sup>, Orr, N.<sup>C</sup>, **Klement, E.<sup>C</sup>**, Lubezky, N.<sup>C</sup>, Kayouf, R.<sup>C</sup>, Sela, T.<sup>C</sup>, Keller, N.<sup>C</sup>, Derazne, E.<sup>T</sup>, Halperin, T.<sup>C</sup>, Yavzori, M.<sup>C</sup>, Grotto M.<sup>C</sup> & Cohen, D.<sup>C</sup> (2006).

Postexposure treatment with doxycycline for the prevention of tick-borne relapsing fever. *New England Journal of Medicine*, 355(2), 148-155.

[Impact Factor: **72.406** Impact Rank: 1/155 Citations: 22]

11. **Hasin, T.<sup>PI</sup>**, Eldor, R.<sup>C</sup>, & Hammerman, H.<sup>C</sup> (2006).

Intensive insulin therapy in the intensive cardiac care unit. *Acute cardiac care*, 8(4), 181-185.(Review)

[Impact Factor : NA Impact Rank: NA]

12. Kehat, I.<sup>PI</sup>, **Hasin, T.<sup>C</sup>**, & Aronheim, A.<sup>C</sup> (2006).

The role of Basic Leucine Zipper protein-mediated transcription in physiological and pathological myocardial hypertrophy. *Annals of the New York Academy of Sciences*, 1080(1), 97-109. (Invited review)

[Impact Factor : 4.706 Impact Rank: 8/64]

13. **Hasin, T.<sup>PI</sup>**, Dagan, R.<sup>C</sup>, Boutboul, G.<sup>C</sup>, Derazne, E.<sup>T</sup>, Atias, O.<sup>C</sup>, & Cohen, D.<sup>C</sup> (2007).

Socioeconomic correlates of antibody levels to enteric pathogens among Israeli adolescents. *Epidemiology and Infection*, 135(01), 118-125.

[Impact Factor: 2.075 Impact Rank: 59/84, 72/176]

14. **Hasin, T.<sup>PI</sup>** (2008).

Intensive insulin treatment in the intensive care unit, mandatory treatment or a two edged sword (Hebrew) TheMEDICAL. June-August 2008; 2: 21.(Review)

[Impact Factor : NA Impact Rank: NA]

15. **Hasin, T.**<sup>PI</sup>, Hochadel, M.<sup>C</sup>, Gitt, A. K.<sup>C</sup>, Behar, S.<sup>C</sup>, Bueno, H.<sup>C</sup>, & Hasin, Y.<sup>C</sup> (2009).

Comparison of treatment and outcome of acute coronary syndrome in patients with versus patients without diabetes mellitus. *The American Journal of Cardiology*, 103(6), 772-778.

[Impact Factor: 3.398 Impact Rank: 47/126]

16. **Hasin, T.**<sup>PI</sup>, Sorkin, A.<sup>S</sup>, Markiewicz, W.<sup>C</sup>, Hammerman, H.<sup>C</sup>, & Aronson, D.<sup>C</sup> (2009).

Prevalence and prognostic significance of transient, persistent, and new-onset anemia after acute myocardial infarction. *The American Journal of Cardiology*, 104(4), 486-491.

[Impact Factor: 3.398 Impact Rank: 47/126]

17. Weidenfeld-Baranboim, K.<sup>C</sup>, **Hasin, T.**<sup>C</sup>, Darlyuk, I.<sup>C</sup>, Heinrich, R.<sup>C</sup>, Elhanani, O.<sup>C</sup>, Pan, J.<sup>C</sup>, Yokoyama, K.K.<sup>C</sup> & Aronheim, A.<sup>PI</sup> (2009).

The ubiquitously expressed bZIP inhibitor, JDP2, suppresses the transcription of its homologue immediate early gene counterpart, ATF3. *Nucleic Acids Research*, 37(7), 2194-2203.

[Impact Factor: 10.162 Impact Rank: 14/290]

18. Wasserman, T.<sup>C</sup>, Katsenelson, K.<sup>C</sup>, Daniliuc, S.<sup>C</sup>, **Hasin, T.**<sup>C</sup>, Choder, M.<sup>C</sup>, & Aronheim, A.<sup>PI</sup> (2010).

A novel c-Jun N-terminal kinase (JNK)-binding protein WDR62 is recruited to stress granules and mediates a nonclassical JNK activation. *Molecular Biology of the Cell*, 21(1), 117-130.

[Impact Factor: 3.685 Impact Rank: 84/190]

19. Rozin, A. P.<sup>PI</sup>, **Hasin, T.**<sup>C</sup>, Toledano, K.<sup>C</sup>, Guralnik, L.<sup>C</sup>, & Balbir-Gurman, A.<sup>C</sup> (2010).

Seronegative polyarthritis as severe systemic disease. *The Netherlands journal of medicine*, 68(6), 236-241. (Review)

[Impact Factor : 1.244 Impact Rank: 84/155]

20. **Hasin, T.**<sup>PI</sup>, Reisner, S.A.<sup>C</sup> & Agmon, Y.<sup>C</sup> (2011).

Large pseudoaneurysms of the mitral-aortic intervalvular fibrosa: long-term natural history without surgery in two patients. *European Heart Journal-Cardiovascular Imaging*, 12(3), E24.

[Impact Factor : 2.648 Impact Rank: 52/125]

21. **Hasin, T.**<sup>PI</sup>, Elhanani, O.<sup>C</sup>, Abassi, Z.<sup>C</sup>, Hai, T.<sup>C</sup> & Aronheim, A.<sup>C</sup> (2011). **Angiotensin II signaling up-regulates the immediate early transcription factor ATF3 in the left but not the right atrium.** *Basic Research in Cardiology*, 106(2), 175-187.

[Impact Factor: 5.306 Impact Rank: 23/126]

22. Topilsky, Y.<sup>PI</sup>, **Hasin, T.**<sup>C</sup>, Oh, J.K.<sup>C</sup>, Borgeson, D.D.<sup>C</sup>, Boilson, B.A.<sup>C</sup>, Schirger, J.A.<sup>C</sup>, Clavell, A.L.<sup>C</sup>, Frantz, R.P.<sup>C</sup>, Tsutsui, R.<sup>C</sup>, Liu, M.<sup>C</sup>, Maltais S.<sup>C</sup>, Kushwaha

S.S.<sup>C</sup>, Pereira, N.L.<sup>C</sup> & Park, S.J.<sup>C</sup> (2011).

Echocardiographic variables after left ventricular assist device implantation associated with adverse outcome. *Circulation: Cardiovascular Imaging*, 4(6), 648-661.

[Impact Factor: 6.803 Impact Rank: 13/126, 4/127]

23. Topilsky, Y.<sup>PI</sup>, **Hasin, T.<sup>C</sup>**, McGregor, C.G.<sup>C</sup> & Park, S. J.<sup>C</sup> (2011).

Mitral valve regurgitation in patients supported on continuous flow pumps.

*Echocardiography*, 28(10), E202-E204.

[Impact Factor : 1.314 Impact Rank: 101/126]

24. **Hasin, T.<sup>PI</sup>**, Topilsky, Y.<sup>C</sup>, Schirger, J.A.<sup>C</sup>, Li, Z.<sup>T</sup>, Zhao, Y.<sup>C</sup>, Boilson, B. A.<sup>C</sup>, Clavell, A.L.<sup>C</sup>, Rodeheffer, R.J.<sup>C</sup>, Frantz, R.P.<sup>C</sup>, Edwards, B.S.<sup>C</sup>, Pereira, N.L.<sup>C</sup>, Joyce, L.<sup>C</sup>, Daly, R.<sup>C</sup>, Park, S.J.<sup>C</sup> & Kushwaha, S.S.<sup>C</sup> (2012).

Changes in renal function after implantation of continuous-flow left ventricular assist devices. *Journal of the American College of Cardiology*, 59(1), 26-36.

[Impact Factor: 19.896 Impact Rank: 2/126]

25. Topilsky, Y.<sup>C</sup>, **Hasin, T.<sup>C</sup>**, Raichlin, E.<sup>C</sup>, Boilson, B.A.<sup>C</sup>, Schirger, J.A.<sup>C</sup>, Pereira, N.L.<sup>C</sup>, Edwards, B.S.<sup>C</sup>, Clavell, A.L.<sup>C</sup>, Rodeheffer, R.J.<sup>C</sup>, Frantz, R.P.<sup>C</sup>, Maltais, S.<sup>C</sup>, Park, S.J.<sup>C</sup>, Daly, R.C.<sup>C</sup>, Lerman, A.<sup>C</sup> & Kushwaha, S.S.<sup>PI</sup> (2012).

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

*Circulation*, 125(5), 708-720.

[Impact Factor: 19.309 Impact Rank: 3/126, 1/63]

26. **Hasin, T.<sup>PI</sup>**, Topilsky, Y.<sup>C</sup>, Kremers, W.K.<sup>T</sup>, Boilson, B.A.<sup>C</sup>, Schirger, J.A.<sup>C</sup>, Edwards, B.S.<sup>C</sup>, Clavell, A.L.<sup>C</sup>, Rodeheffer, R.J.<sup>C</sup>, Frantz, R.P.<sup>C</sup>, Joyce L.<sup>C</sup>, Daly R.<sup>C</sup>, Stulak, J.M.<sup>C</sup>, Kushwaha, S.S.<sup>C</sup>, Park, S.J.<sup>C</sup> & Pereira, N.L.<sup>C</sup> (2012).

Usefulness of the six-minute walk test after continuous axial flow left ventricular device implantation to predict survival. *The American Journal of Cardiology*, 110(9), 1322-1328.

[Impact Factor: 3.398 Impact Rank: 47/126]

27. Deo, S.V.<sup>C</sup>, **Hasin, T.<sup>C</sup>**, Altarabsheh, S.E.<sup>C</sup>, McKellar, S.H.<sup>C</sup>, Shah, I.K.<sup>C</sup>, Durham L.A. 3rd<sup>C</sup>, Stulak, J.M.<sup>C</sup>, Daly, R.<sup>C</sup>, Park, S.J.<sup>C</sup> & Joyce, L.D.<sup>PI</sup> (2012).

Concomitant tricuspid valve repair or replacement during left ventricular assist device implant demonstrates comparable outcomes in the long term. *Journal of cardiac surgery*, 27(6), 760-766.

[Impact Factor: 0.518 Impact Rank: 123/126, 182/197]

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*American Journal of Medicine* (Accepted)  
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### Letters

1. T. Hasin, D. Lebowitz, D. Rot, Y. Wiess, T. Chajek-Shaul, R. Nir-Paz. Authors' reply to Thomas et al.'s "Comment on 'Early treatment with activated protein C for meningococcal septic shock: case report and literature review' by Hasin et al."  
*Intensive Care Med.* 2005 Dec;31(12):1730.  
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2. A.M Croft, C.J. Jackson, A. H. Darbyshire, T. Hasin, N. Davidovitch, D. Cohen. Doxycycline for the Prevention of Tick-Borne Relapsing Fever

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3. T. Hasin, S.S. Kushwaha

Authors reply to Rajagopalan et al.'s "Renal Failure Following Ventricular Assist Device Placement"

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[*Impact Factor* : 19.896 *Impact Rank*: 2/126 *Citations*: NA]

**Patents**

1. Adjustable Annuloplasty Apparatus, PCT/IL2014/050206
2. Jugular Venous Assessment, provisional serial number 62/182,584, filed 21 June 2015

**Invited Lectures in International Scientific Meetings**

1. Management of heparin induced thrombocytopenia, Acute Cardiac Care annual meeting, Denmark 2010.
2. LVAD Therapy for End Stage HF- The Mayo Experience. Acute Cardiac Care annual meeting, Israel, 2011.
3. The Heart and the Kidney- Renal Function Following Implantation of Continuous Flow Left Ventricular Assist Devices Intensive and invasive cardiology, Vilnius, Lithuania 2012.
4. Complications of Left Ventricular Assist Device Chronic Support. Acute Cardiac Care, Israel, 2013.
5. Shall Two Walk together Unless They have Agreed? Increased Risk of Cancer in Heart Failure. Intensive and invasive cardiology, Vilnius, Lithuania 2014.
6. Complications of Left Ventricular Assist Device Chronic Support. Intensive and invasive cardiology, Vilnius, Lithuania 2014.
7. Left ventricular assist devices for temporary or destination therapy: state of the art and future perspectives, Geneva, Switzerland 2014.
8. Heart failure with preserved left ventricular ejection fraction: an update. Acute Cardiac Care, Israel, 2014.
9. Increased risk of cancer in heart failure. International meeting on cardio-oncology, Israel, 2015.
10. Treatment of heart failure with preserved left ventricular ejection fraction Acute Cardiac Care and Emergency Medicine, Vilnius, Lithuania 2016.
11. Endothelial dysfunction during continuous flow left ventricular assist device support: effects on the number and function of endothelial progenitor cells Acute Cardiac Care and Emergency Medicine, Vilnius, Lithuania 2016.

12. Mechanical assist devices in advanced heart failure.  
Acute Cardiac Care, Israel, 2017
13. Pathophysiology of malignancy, links to the cardiovascular system.  
Cardio-oncology meeting, Israel 2017.
14. The use of ventricular assist devices in heart failure.  
30 years of heart transplantation , Lithuania 2017.
15. Evaluation for advanced heart failure therapies.  
Acute Cardiac Care and Emergency Medicine, Vilnius, Lithuania  
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16. Mechanical support for acute heart failure.  
Acute Cardiac Care and Emergency Medicine, Vilnius, Lithuania  
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### **Abstracts**

1. Post-exposure treatment of tick- borne relapsing fever in soldiers Training in an endemic area. The “Shoresh” meeting Israel 2003.
2. Post exposure prophylaxis with doxycycline for prevention of relapsing fever.  
Yearly congress of the ISPPTD meeting Israel 2004.
3. Prevalence and prognostic significance of persistent anemia after acute myocardial infarction. ESC congress Austria 2007.
4. Basic Leucine Zipper (bZIP) protein transcription in atrial hypertrophy. ISHR Israel 2007.
5. A novel Angiotensin receptor signaling pathway mediating atrial dilatation. “Ilanit” meeting Israel 2007.
6. Prevalence and prognostic significance of persistent anemia after acute myocardial infarction. IHS meeting Israel 2008.
7. A novel angiotensin receptor signaling pathway mediating atrial dilatation.  
ESC congress Germany 2008.
8. Differential Left versus Right Atrial Transcriptional Response to Angiotensin Stimulation. AHA scientific sessions USA 2008.
9. Differential Angiotensin II signaling in the left and right atria, IHS meeting Israel 2010 (Kellerman young scientist award session).
10. Predictors of renal function improvement following implantation of continuous flow left ventricular assist device.  
ISHLT meeting, San Diego, USA 2011.

11. Impaired exercise tolerance after continuous axial flow pump implantation is associated with reduced survival, ISHLT, San Diego, USA 2011.
12. Predictors of renal function improvement following implantation of continuous flow LVAD.  
IHS, Israel 2011.
13. Donor Specific Antibodies to Class II Human Leucocyte Antigens Are Associated With Accelerated Cardiac Allograft Vasculopathy – A preliminary 3D volumetric IVUS study.  
AHA scientific sessions, Orlando, USA 2011.
14. Hyperbilirubinemia after Axial Flow Left Ventricular Assist Device Implantation is Associated with Increased Mortality.  
American College of Cardiology meeting, Chicago, USA 2012.
15. Late Decline in Renal Function Following Implantation of Continuous Flow Left Ventricular Assist Devices.  
  
American College of Cardiology meeting, Chicago, USA 2012.
16. NT-proBNP Blood Levels after Axial Flow LVAD Implantation are related to pre-implant levels.  
IHS meeting, Israel 2012.
17. Readmissions Following Implantation of Axial Flow Left Ventricular Assist Devices.  
ISHLT, Prague, Czech Republic 2012.
18. Impaired 6 Minute Walk Test after Continuous Axial Flow Left Ventricular Device Implantation is Associated with Reduced Survival.  
ISHLT, Prague, Czech Republic 2012.
19. Continuous Flow Left Ventricular Assist Device Therapy Deteriorates Systemic Endothelial Function.  
ISHLT, Prague, Czech Republic 2012.
20. Patients with Heart Failure have an Increased Risk of Incident Cancer.  
AHA, Los Angeles, USA 2012.
21. Hemodynamic Assessment in Patients on Chronic Continuous Flow Left Ventricular Assist Device Support  
ISHLT, Canada, 2013.
22. Sexual Dysfunction among Patients Supported with Left Ventricular Assist Device and among Patients after Heart Transplant.  
IHS meeting, Israel, 2013.
23. Sexual Dysfunction among Patients Supported with Left Ventricular Assist Device and among Patients after Heart Transplant.  
EHF meeting, Portugal, 2013.

24. Heart Failure after Myocardial Infarction is Associated with Increased Risk of Cancer  
ACC meeting, Washington, USA, 2014.
25. Patients Not Meeting Cardiac Resynchronization Electrocardiographic Criteria Prolong QRS during Follow-Up  
IHS meeting, Israel, 2015.
26. Left Heart Disease is Prevalent among Patients with Echocardiographically Determined Pulmonary Hypertension  
ISHLT meeting, Nice, 2015.
27. Endothelial Dysfunction During Continuous Flow Left Ventricular Assist Device Support: Effects on the Number and Function of Endothelial Progenitor Cells  
IHS meeting, Israel, 2016.
28. Improvement in Functional Mitral Regurgitation after Coronary Catheterization With and Without Percutaneous Coronary Intervention  
IHS meeting, Israel, 2016.
29. CHADS2 and CHA2DS2VASc Predict Short and Long-Term Mortality In Patients With Cardiovascular Diseases Admitted To The Hospital  
ESC meeting, Rome, 2016.
30. Malnutrition Assessment by the Nutritional Risk Index and Associated Mortality in Ambulatory Heart Failure Patients  
IHS meeting, Israel, 2017.
31. Impact of Left Heart Disease on Survival of Patients With Pulmonary Hypertension  
IHS meeting, Israel, 2017.
32. Pulmonary Congestion Complicating Cardioversion of Atrial Fibrillation  
ESC meeting, Barcelona, 2017.
33. Right Heart Catheterization with Uninterrupted Anticoagulation via Brachial Vein Approach for Patients with Left Ventricular Assist Device  
ISHLT meeting, Nice, 2018.
34. Usefulness of Serial Six-Minute Walk Distance in Ambulatory Heart Failure Patients  
IHS meeting, Israel, 2018.