

CURRICULUM VITAE

NAME	Ashraf	Hamdan	MD	027548437
	(First)	(Last)	Academic Degree	ID No.

HOSPITAL/DEPT	Department of Cardiology Rabin Medical Center, Jabotinsky St. 39 Petach Tikva, 49100, Israel
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ZAHAL (ISRAELI)

MILITARY SERVICE	NA
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MARITAL STATUS

NO. OF CHILDREN	married +3
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A. Education

1990 – 1996 School of Medicine,
Georg-August University of Göttingen, Germany.

Title of Doctoral Dissertation: Changes in blood gases, lactate and potassium during
intravenously infused myoglobin and hemorrhagic
hypotension in rats. The effect of 8-Br-cGMP.

Names of Supervisors: Prof. F. Vetterlein

Date of receiving Specialization Certificate

2/2006 Specialization certificate in Cardiology

B. Further Studies

2009 Hands-on Tutorial at the European Society of Cardiology: Technical
Principles, Clinical Indications and Analysis of Coronary CTA.

2009 Hands-on Tutorial at the European Society of Cardiology: CMR in
Cardiomyopathies and Myocarditis.

2010 Radiological Society of North America 96th Scientific Assembly and
Annual Meeting. Contrast Agent Issues: What the Experts Really Do
for Allergies. Contrast-induced Nephropathy, Nephrogenic Systemic
Fibrosis, and Extravasation.

5/2013 European Association of Cardiovascular Imaging (EACVI) webinar on
Coronary artery calcification score in clinical practice.

6/2013 European Association of Cardiovascular Imaging (EACVI) webinar on
Imaging myocardial fibrosis

9/2013 Best of European Society of Cardiology congress - Live interactive
event.

- 9/2013 European Society of Cardiology webinar on Approach to the patient with stable angina.
- 1/2015 Non-invasive anatomic and functional assessment of CAD

C. Academic & Professional Activities & Achievements

C1. Academic Experience

- 1995-1996 Research Affiliate, Neuropharmacologie Laboratory,
Pharmacologie and toxicologie Center, The Faculty of Health Science,
Georg-August University of Göttingen, Germany.

Teaching experience

- 2009, 2011 Seminars Cardiac CT and MRI
New York Program for Internal Medicine Medical Students
Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
- 2010-2012 Tutor, Seminar Cardiac CT and MRI & visiting rounds
4th & 6th year students
Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
- 2010-2012 Tutor, visiting rounds
4th & 6th year students
Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
- 20.6.2014 Course organizer, Joint Scientific Meeting of Nuclear Cardiology and
cardiac CT and Cardiology Community, The Israel Heart Society
- 19.3.2015 Course organizer, Scientific Meeting of Nuclear Cardiology and
cardiac CT, The Israel Heart Society
- 29.6.2017 Course organizer, Scientific Meeting of Nuclear Cardiology and
cardiac CT, The Israel Heart Society

C2. Professional Experience

1996-1997	Internship, Georg-August University of Göttingen, Germany.
1998-2002	Residency in Internal Medicine, Department of Medicine B, Rabin Medical Center, Campus Beilinson, Petah Tikva, Israel
2002	Passed Specialty Board Examination in Internal Medicine.
2002	Senior in Internal Medicine Department, Rabin Medical Center, Campus Beilinson, Petah Tikva, Israel
9/2002-5/2006	Fellowship in Cardiology Department, Rabin Medical Center, Campus Beilinson, Petah Tikva, Israel
2005	Passed Specialty Board Examination in Cardiology.
6/2006-5/2009	Fellowship in Cardiovascular Magnetic Resonance Imaging and Computed Tomography, German Heart Institute, Berlin, Germany.
6/2009-4/2015	Senior in Cardiology Department, Leviev Heart Center, Chaim Sheba Medical Center, Tel-Hashomer, Ramat Gan, Israel
5/2015-7/2015	Fellowship in Nuclear Cardiology, Technical University Munich, Germany
8/2015	Senior in Cardiology Department, Rabin Medical Center, Petach Tikva, Israel
10/2016	Director, Nuclear cardiology and Cardiovascular Imaging: CT and MRI

C3. Active Participation in Scientific Meetings

<i>Date</i>	<i>Country</i>	<i>Subject / Meeting</i>	<i>Role</i>
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2004	Tel-Aviv, Israel	51 th Annual Conference of the Israel Heart Society	Oral presentation
2005	Tel-Aviv, Israel	52 th Annual Conference of the Israel Heart Society	Oral presentation
2006	München, Germany	European Society of Cardiology Congress	Poster presentation
2008	Mannheim, Germany	74 th Annual German Heart Society meeting	Oral presentation
2009	Tel-Aviv, Israel	57 th Annual Conference of the Israel Heart Society	Oral presentations
2009	Orlando, USA	American Heart Association, Scientific Sessions	Oral presentation
2009	Barcelona, Spain	European Society of Cardiology Congress	Poster presentation
2009	Mannheim, Germany	75 th Annual German Heart Society meeting	Oral presentations
2010	Eilat, Israel	Israel Radiological Association, Annual meeting	Oral presentations
2/2010	Jerusalem, Israel	10 th International Dead sea Symposium on Cardiac Arrhythmias and Device Therapy	Invited lecture
2010	Nicosia, Cyprus	22 st International Cardiology Meeting of the Cyprus Society of Cardiology	Invited lecture
2010	Chicago, USA	Radiological Society of North America 2010	Oral presentation
2011	Eilat, Israel	Israel Radiological Association, Annual meeting	Oral presentations
2011	Paris, France	European Society of Cardiology Congress	Poster presentation
2011	Tel-Aviv, Israel	58 th Annual Conference of the Israel Heart Society	Oral presentations
2012	Tel-Aviv, Israel	59 th Annual Conference of the Israel Heart Society	Oral presentations
2012	Sheba Medical Center, Israel	5 th French-Israeli Review Course in Radiology	Invited lecture
2/2012	Jerusalem, Israel	11 st International Dead sea Symposium on Cardiac Arrhythmias and Device Therapy	Invited lecture
5/2012	Jerusalem, Israel	The First International Heart Valve Summit of the Israel Heart Society	Invited lecture
2013	Florence, Italy	EuroCMR	Poster presentation

2013	Jerusalem, Israel	60 th Annual Conference of the Israel Heart Society	Oral presentations
2014	Hawaii, USA	Society of Cardiovascular Computed Tomography's meeting	International Master
2014	Barcelona, Spain	European Society of Cardiology Congress	Guided Poster presentation
2015	Hawaii, USA	Society of Cardiovascular Computed Tomography's meeting	International Master
2015	Tel-Aviv, Israel	The 11th meeting of the myocardial and pericardial disease working group of the European society of cardiology	Invited lecture
2017	Barcelona, Spain	European Society of Cardiology Congress	Chairperson - Sess. N° : 395
2017	Washington, USA	Society of Cardiovascular Computed Tomography's meeting	Poster presentation
2018	Dallas, USA	Society of Cardiovascular Computed Tomography's meeting	Oral presentations
2018	Munich, Germany	European Society of Cardiology Congress	Chairperson – Cardiac CT in patients with Valvular Heart Disease
2018	Munich, Germany	European Society of Cardiology Congress	Oral presentation

C4. Membership In Professional Societies

<i>Years (period)</i>	<i>Name of Organization</i>	
2012-2014	Israel Heart Society	Secretary of the working group of Nuclear Cardiology and cardiac CT
2016-2018	Israel Heart Society	Head of the working group of Nuclear Cardiology and cardiac CT
2013-present	European Society of Cardiology	Fellow
2013-present	Society of Cardiovascular Computed Tomography	Fellow
2013-present	European Society of Cardiology	Working Group on Cardiovascular Magnetic Resonance
2017 - present	The Israel Society for Gender Medicine	Membership

D. Doctoral Students Mentored by Candidate

<i>Years (period)</i>	<i>Name of Student</i>	<i>Subject</i>	<i>Academic Institute</i>	<i>In collaboration with</i>
2010-2014	Rotem Halevi	Mechanical Investigation of Aortic Valve Progressive Calcification using Refined Computational Models	Engineering Faculty, Tel Aviv University, Tel Aviv, Israel	Prof. Rami Haj-Ali

E. M.A./M.Sc. Students

<i>Years (period)</i>	<i>Name of Student</i>	<i>Subject</i>	<i>Academic Institute</i>	<i>In collaboration with</i>
2010-2011	Fady Abu Baker	Constrictive Pericarditis in the Modern Cardiology Era: MRI Assessment of Diastolic Filling Pattern in Patients and Healthy Subjects	Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel	Prof. M. Eldar Prof. E. Konen
2017-2019	Inbar Nardi	Exhaled breath analysis for the detection of atherosclerosis	Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel	Prof. Kornowski

F. Grants

<i>Years</i>	<i>Investigator (Principal / other)</i>	<i>Granted by Institute/Company</i>	<i>Subject</i>	<i>Total Amount</i>
1995-1997	Ashraf Hamdan	Friedrich Ebert Stiftung. Bonn, Germany	Changes in blood gases, lactate and potassium during intravenously infused myoglobin and hemorrhagic hypotension in rats. The effect of 8-Br-cGMP	800 Mark/month for 3 years
2005	Ashraf Hamdan	Israel Heart Association and Merck grants for fellowship, Israel.		10,000 USD
2006	Ashraf Hamdan	European Society of Cardiology: Research and Training Grant	1. Single Breath Hold Four Dimensional Assessment of Left	2000 Euro/month for 6 months

			Ventricular Volumes and Function using K-t BLAST at 3 Tesla. 2. Improved Quantitative Assessment of Left Ventricular Volumes Using TGrE Approach After Application of Extracellular Contrast Agent at 3 Tesla.	
2007	Ashraf Hamdan	European Society of Cardiology Working Group on Cardiovascular Magnetic Resonance, Grant	1. Regional Right Ventricular Function and Timing of Contraction in Healthy Volunteers Evaluated by Strain-encoded MRI. 2. Strain-encoded Magnetic Resonance Imaging to evaluate normal Left Ventricular Function and Timing of Contraction at 3.0 Tesla.	1200 Euro/month for 12 months
2008-2009	Ashraf Hamdan	Kaiserin Friedrich Stiftung, Berlin, Germany	1. Magnetic Resonance Imaging versus Computed Tomography for Characterization of Pulmonary Vein Morphology before Radiofrequency Catheter Ablation of Atrial Fibrillation: a Head-to-Head Comparison. 2. A Prospective Study for Comparison of MR and CT Imaging for Detection of Coronary Artery Stenosis.	1800 Euro/month for 2 years
2013	Ashraf Hamdan	Seymour Fefer Foundation, Sheba Medical Center	Progressive Calcification in Aortic Valves: Predictive Hemodynamic Modeling with In-vitro Pulsatile Loop	25,000 NIS
2018-2022	Ashraf Hamdan	NIH	XXXXXXX	

G. Awards

2010-2011	Certificate of excellence in teaching students at Sheba Medical Center - Office of the Deputy Dean of the School of Medicine.
2013	Henry Neufeld Research Award Foundation, (1000 \$)
2014	Certificate of excellence in teaching students at Tel-Aviv University, department of cardiology.
2014	Outstanding scientific work for the winning moderated poster presentation during the ESC congress 2014
2016	Henry Neufeld Research Award Foundation, (1500 \$)
2017	Melzer Awards, (1500 \$)
2018	Siemens Outstanding Academic Research Awards, (1500 \$)

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

2008	Circulation: Cardiovascular Imaging Strain-Encoded Cardiac Magnetic Resonance Imaging as an Adjunct for Dobutamine Stress Testing. Incremental Value to Conventional Wall Motion Analysis. CIRCULATIONAHA/2008/790105
2010	International Journal of Cardiology Normalization of computer generated false plaque in cardiac computed tomography (CCT) and plaque quantification. Ms. Ref. No.: IJC-D-10-01413
2013	European Heart Journal - Cardiovascular Imaging Parachute Implant: CT morphologic criteria of our centre to identify the suitable patient Manuscript Number: EHJCI-D-13-00887

- 2014 European Society for Cardiology.
Abstract grading: Review of 100 Abstracts for the ESC congress 2014
- 2014 International Academy of cardiology.
Abstract grading for the Annual Scientific section 2014.
19th World congress on heart disease.
- 2015 European Heart Journal - Cardiovascular Imaging
Parachute Implant: Value of Cardiac Magnetic Resonance in
Quantification of Paravalvular Aortic
Regurgitation after TAVI
Manuscript Number: EHJCI-D-14-01336
- 2015 American Journal of Cardiology
Prognostic Performance of Prospective vs Retrospective ECG-gating
Coronary CT Angiography.
Manuscript Number: AJC-D-15-00064
- 2015 European Society for Cardiology.
Abstract grading: Review of Abstracts for the ESC congress 2015
- 2016 European Society for Cardiology.
Abstract grading: Review of Abstracts for the ESC congress 2016
- 2017 European Society for Cardiology.
Abstract grading: Review of Abstracts for the ESC congress 2017

SCIENTIFIC PUBLICATIONS

A. BOOKS AND MONOGRAPHS

B. TEXTBOOKS (not for MDs)

B.1. ORIGINAL ARTICLES

B.1.1. *Articles Published*

- B1-1 **Hamdan A**, Shapira Y, Bengal T, Mansur M, Vaturi M, Sulkes J, Battler A, Sagie A.

Tissue Doppler imaging in patients with advanced heart failure: relation to functional class and prognosis.

J Heart Lung Transplant. 2006 Feb;25(2):214-8.

(CARDIAC & CARDIOVASCULAR SYSTEMS 17/125, IF 5.611, Q1)

Times Cited: [27](#) (from All Databases)

- B1-2 **Hamdan A**, Kornowski R, Solodky A, Fuchs S, Battler A, Assali AR.

Predictors of left ventricular dysfunction in patients with first acute anterior myocardial infarction undergoing primary angioplasty.

Isr Med Assoc J. 2006 Aug;8(8):532-5.

(MEDICINE, GENERAL & INTERNAL 93/156, IF 0.903, Q3)

Times Cited: [4](#) (from All Databases)

- B1-3 **Hamdan A**, Kelle S, Schnackenburg B, Fleck E, Nagel E.

Improved quantitative assessment of left ventricular volumes using TGrE approach after application of extracellular contrast agent at 3 Tesla.

J Cardiovasc Magn Reson. 2007;9(6):845-53.

(CARDIAC & CARDIOVASCULAR SYSTEMS 21/125, IF 5.112, Q1)

Times Cited: [9](#) (from All Databases)

- B1-4 **Hamdan A**, Kelle S, Schnackenburg B, Wellnhofer E, Fleck E, Nagel E.
Single-breathhold four-dimensional assessment of left ventricular volumes and function using k-t BLAST after application of extracellular contrast agent at 3 Tesla.
J Magn Reson Imaging. 2008 May;27(5):1028-36.
(RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 29/122, IF 2.788, Q1)
Times Cited: [6](#) (from All Databases)
- B1-5 Gebker R, Jahnke C, Manka R, **Hamdan A**, Schnackenburg B, Fleck E, Paetsch I.
Additional value of myocardial perfusion imaging during dobutamine stress magnetic resonance for the assessment of coronary artery disease.
Circ Cardiovasc Imaging. 2008 Sep;1(2):122-30.
(CARDIAC & CARDIOVASCULAR SYSTEMS 9/125, 6.752, Q1)
Times Cited: [30](#) (from All Databases)
- B1-6 Kelle S, **Hamdan A**, Schnackenburg B, Köhler U, Klein C, Nagel E, Fleck E.
Dobutamine stress cardiovascular magnetic resonance at 3 Tesla.
J Cardiovasc Magn Reson. 2008 Oct 9;10:44.
(CARDIAC & CARDIOVASCULAR SYSTEMS 21/125, IF 5.112, Q1)
Times Cited: [14](#) (from All Databases)
- B1-7 **Hamdan A**, Thouet T, Kelle S, Paetsch I, Gebker R, Wellnhofer E, Schnackenburg B, Fahmy AS, Osman NF, Fleck E.
Regional right ventricular function and timing of contraction in healthy volunteers evaluated by strain-encoded MRI.
J Magn Reson Imaging. 2008 Dec;28(6):1379-85.
Erratum in: J Magn Reson Imaging. 2009 Apr;29(4):996. Sebastian, Kelle [corrected to Kelle,Sebastian].
(RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 29/122, IF 2.788, Q1)
Times Cited: [13](#) (from All Databases)

- B1-8 **Hamdan A**, Thouet T, Kelle S, Wellnhofer E, Paetsch I, Gebker R, Schnackenburg B, Fahmy AS, Osman NF, Bornstedt A, Fleck E.
Strain-encoded MRI to evaluate normal left ventricular function and timing of contraction at 3.0 Tesla.
J Magn Reson Imaging. 2009 Apr;29(4):799-808.
(RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 29/122, IF 2.788, Q1)

Times Cited: [10](#) (from All Databases)

- B1-9 **Hamdan A**, Charalampos K, Roettgen R, Wellnhofer E, Gebker R, Paetsch I, Jahnke C, Schnackenburg B, Tang M, Gerds-Li H, Fleck E.
Magnetic resonance imaging versus computed tomography for characterization of pulmonary vein morphology before radiofrequency catheter ablation of atrial fibrillation.
Am J Cardiol. 2009 Dec 1;104(11):1540-6.
(CARDIAC & CARDIOVASCULAR SYSTEMS 39/125, IF 3.425, Q2)

Times Cited: [15](#) (from All Databases)

- B1-10 **Hamdan A**, Kornowski R, Lev EI, Sagie A, Fuchs S, Brosh D, Battler A, Assali AR.
Impact of myocardial blush on left ventricular remodeling after first anterior myocardial infarction treated successfully with primary coronary intervention.
Isr Med Assoc J. 2010 Apr;12(4):211-5.
(MEDICINE, GENERAL & INTERNAL 93/156, IF 0.903, Q3)

Times Cited: 0 (from All Databases)

- B1-11 Gebker R, Jahnke C, Hucko T, Manka R, Mirelis JG, **Hamdan A**, Schnackenburg B, Fleck E, Paetsch I.
Dobutamine stress magnetic resonance imaging for the detection of coronary artery disease in women.
Heart. 2010 Apr;96(8):616-20.
(CARDIAC & CARDIOVASCULAR SYSTEMS 12/125, IF 6.023, Q1)

Times Cited: [12](#) (from All Databases)

- B1-12 Gebker R, Mirelis JG, Jahnke C, Hucko T, Manka R, **Hamdan A**, Schnackenburg B, Fleck E, Paetsch I.
Influence of left ventricular hypertrophy and geometry on diagnostic accuracy of wall motion and perfusion magnetic resonance during dobutamine stress.
Circ Cardiovasc Imaging. 2010 Sep;3(5):507-14.
(CARDIAC & CARDIOVASCULAR SYSTEMS 9/125, 6.752, Q1)

Times Cited: [9](#) (from All Databases)

- B1-13 **Hamdan A**, Asbach P, Wellnhofer E, Klein C, Gebker R, Kelle S, Kilian H, Huppertz A, Fleck E.
A prospective study for comparison of MR and CT imaging for detection of coronary artery stenosis.
JACC Cardiovasc Imaging. 2011 Jan;4(1):50-61.
(CARDIAC & CARDIOVASCULAR SYSTEMS 10/124, IF 6.164, Q1)

Times Cited: [35](#) (from All Databases)

- B1-14 Kelle S, Chiribiri A, Vierecke J, Egnell C, **Hamdan A**, Jahnke C, Paetsch I, Wellnhofer E, Fleck E, Klein C, Gebker R.
Long-term prognostic value of dobutamine stress CMR.
JACC Cardiovasc Imaging. 2011 Feb;4(2):161-72.
(CARDIAC & CARDIOVASCULAR SYSTEMS 7/125, IF 6.986, Q1)

Times Cited: [29](#) (from All Databases)

- B1-15 Goitein O, Matetzky S, Eshet Y, Goitein D, **Hamdan A**, Segni ED, Konen E.
Coronary CT angiography for acute chest pain triage: techniques for radiation exposure reduction; 128 vs. 64 multidetector CT.
Acta Radiol. 2011 Oct 1;52(8):840-5.
(RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 80/122, IF 1.350, Q3)

Times Cited: [1](#) (from All Databases)

- B1-16 **Hamdan A**, Guetta V, Konen E, Goitein O, Segev A, Raanani E, Spiegelstein D, Hay I, Di Segni E, Eldar M, Schwammenthal E.

Deformation dynamics and mechanical properties of the aortic annulus by 4-dimensional computed tomography: insights into the functional anatomy of the aortic valve complex and implications for transcatheter aortic valve therapy.

J Am Coll Cardiol. 2012 Jan 10;59(2):119-27.

(CARDIAC & CARDIOVASCULAR SYSTEMS 1/125, IF 15.343, Q1)

Times Cited: [51](#) (from All Databases)

- B1-17 Schuetz GM, Schlattmann P, Achenbach S, Budoff M, Garcia MJ, Roehle R, Pontone G, Meijboom WB, Andreini D, Alkadhi H, Honoris L, Bettencourt N, Hausleiter J, Leschka S, Gerber BL, Meijjs MF, Shabestari AA, Sato A, Zimmermann E, Schoepf UJ, Diederichsen A, Halon DA, Mendoza-Rodriguez V, **Hamdan A**, Nørgaard BL, Brodoefel H, Ovrehus KA, Jenkins SM, Halvorsen BA, Rixe J, Sheikh M, Langer C, Martuscelli E, Romagnoli A, Scholte AJ, Marcus RP, Ulimoen GR, Nieman K, Mickley H, Nikolaou K, Tardif JC, Johnson TR, Muraglia S, Chow BJ, Maintz D, Laule M, Dewey M.

Individual patient data meta-analysis for the clinical assessment of coronary computed tomography angiography: protocol of the Collaborative Meta-Analysis of Cardiac CT (CoMe-CCT).

Syst Rev. 2013 Feb 15;2:13.

(No IF)

Times Cited: [4](#) (from All Databases)

- B1-18 **Hamdan A**, Goitein O, Matetzky S, Yishay S, Di Segni E, Yakubovitch D, Silverberg D, Halak M, Eldar M, Konen E.

Dobutamine stress MRI for the assessment of coronary artery disease: initial clinical experience in Israel.

Isr Med Assoc J. 2013 May;15(5):205-9.

(MEDICINE, GENERAL & INTERNAL 93/156, IF 0.903, Q3)

Times Cited: [1](#) (from All Databases)

- B1-19 Goitein O, Eshet Y, Hoffmann C, Raviv-Zilka L, Salem Y, **Hamdan A**, Goitein D, Kushnir T, Eshed I, Di-Segni E, Konen E.
Fetal liver T2* values: defining a standardized scale.
J Magn Reson Imaging. 2013 Dec;38(6):1342-5.
(RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 29/122, IF 2.788, Q1)

Times Cited: [1](#) (from All Databases)

- B1-20 Marom G, Peleg M, Halevi R, Rosenfeld M, Raanani E, **Hamdan A**, Haj-Ali R.
Fluid-structure interaction model of aortic valve with porcine-specific collagen fiber alignment in the cusps.
J Biomech Eng. 2013 Oct 1;135(10):101001-6.
(ENGINEERING, BIOMEDICAL 34/76, IF 1.748, Q2)

Times Cited: [1](#) (from All Databases)

- B1-21 Koifman E, Kopel E, Maor E, Fefer P, Matezky S, Tofler G, **Hamdan A**, Grossman E, Goldenberg I, Klempfner R.
Mineralocorticoid receptor antagonist use in eligible patients following acute myocardial infarction: real world data from the Acute Coronary Syndrome Israeli Surveys: 2004-2010.
Int J Cardiol. 2013 Oct 9;168(4):3971-6.
(CARDIAC & CARDIOVASCULAR SYSTEMS 11/125, IF 6.175, Q1)

Times Cited: 0 (from All Databases)

- B1-22 Koifman E, Kopel E, Medvedovsky D, Maor E, **Hamdan A**, Goldenberg I, Klempfner R.
Age-dependent effect of left ventricular ejection fraction on long-term mortality in patients with heart failure (from the Heart Failure Survey in Israel).
Am J Cardiol. 2013 Dec 15;112(12):1901-6.
(CARDIAC & CARDIOVASCULAR SYSTEMS 39/125, IF 3.425, Q2)

Times Cited: 0 (from All Databases)

- B1-23 Klempfner R, Koifman E, Goldenberg I, **Hamdan A**, Tofler GH, Kopel E.
The Israel Nationwide Heart Failure Survey: Sex differences in early and late mortality for hospitalized heart failure patients.
J Card Fail. 2014 Mar;20(3):193-8. doi: 10.1016/j.cardfail.2013.12.016. Epub 2013 Dec 25.
(CARDIAC & CARDIOVASCULAR SYSTEMS 44/125, IF 3.065, Q2)
Times Cited: 1 (from All Databases)
- B1-24 Goitein O, Salem Y, Jacobson J, Goitein D, Mishali D, **Hamdan A**, Kuperstein R, Di Segni Elio, Konen E.
The role of cardiac computed tomography in infants with congenital heart disease.
Isr Med Assoc J. 2014 March;16(3):147-52.
(MEDICINE, GENERAL & INTERNAL 93/156, IF 0.903, Q3)
Times Cited: 0 (from All Databases)
- B1-25 **Hamdan A**, Doltra A, Huppertz A, Wellnhofer E, Fleck E, Kelle S.
DIRECT comparison of coronary MR and CT angiography for prediction of cardiovascular events – a long-term follow-up study.
JACC Cardiovasc Imaging 2014;7:1063-5.
(CARDIAC & CARDIOVASCULAR SYSTEMS 7/125, IF 6.986, Q1)
Times Cited: 0 (from All Databases)
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- B1-26 **Hamdan A**, Wellnhofer E, Konen E, Goitein O, Segev A, Raanani E, Klempfner R, Kelle S, Barbash I, Goldenberg I, Guetta V.
Coronary Computed Tomography Angiography for the detection of coronary artery stenosis in patients referred for transcatheter aortic valve implantation.
J Cardiovasc Computed Tomogr 2015; 9:31-41.
(CARDIAC & CARDIOVASCULAR SYSTEMS 25/125, IF 4.506, Q1)
Times Cited: 0 (from All Databases)

- B1-27 Doltra A, Skorin A, **Hamdan A**, Schnackenburg B, Klein C, Nagel E, Fleck E, Kelle S.
Optimal of acquisition time and dose for late gadolinium enhancement imaging at 3.0 Tesla in patients with chronic myocardial infarction using Gd-BOPTA.
Eur Radiol. 2014 Sep;24(9):2192-200.
(RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING 13/122, IF 4.338, Q1)

Times Cited: 0 (from All Databases)

- B1-28 Medvedofsky D, Klempfner R, Fefer R, Chernomordik F, **Hamdan A**, Hay I, Goldenberg I, Raanani E, Guetta V, Segev A.
The Significance of Pulmonary Arterial Hypertension Pre- and Post-Transfemoral Aortic Valve Implantation for Severe Aortic Stenosis.
J Cardiol. 2015 Apr; 65(4):337-42. doi: 10.1016/j.jjcc.2014.06.008.
(CARDIAC & CARDIOVASCULAR SYSTEMS 55/125, IF 2.566, Q2)
- B1-29 Jonas M, Rozenman Y, Moshkovitz Y, **Hamdan A**, Kislev Y, Tirosh N, Sax S, Trumer D, Golan E, Raanani E.
The Leaflex™ Catheter System – a viable treatment option alongside valve replacement? Preclinical feasibility of a novel device designed for fracturing aortic valve calcification.
Eurointervention. 2014 Nov 25. pii 20140310-03. doi 4244/EIJY14M11_10
(CARDIAC & CARDIOVASCULAR SYSTEMS 33/125, IF 3.758, Q2)

- B1-30 Halevi R¹, **Hamdan A**¹, Marom G, Mega M, Raanani E, Haj-Ali R.
Progressive aortic valve calcification: three-dimensional visualization and biomechanical analysis.
¹*The first two authors have made equal contribution to the manuscript.*
Journal of Biomechanics. 2015 Feb 5;48(3):489-97.
doi: 10.1016/j.jbiomech.2014.12.004.
IF 2.496.

Times Cited: 0 (from All Databases)

- B1-31 Goitein O, Guetta V, Segev A, Nahum E, Raanani E, Ehset Y, Konen E, Di Segni E, **Hamdan A**.
Non-Valvular Findings before Trans-Catheter Aortic Valve Implantation and their Impact on the Procedure.
Isr Med Assoc J. 2015 Dec;17(12):764-7.
(MEDICINE, GENERAL & INTERNAL 93/156, IF 0.903, Q3)
- B1-32 Mor P, Marom G, Halevi R, **Hamdan A**, Haj-Ali R.
Imaging Analysis of Collagen Fiber Networks in Cusps of Porcine Aortic Valves: Effect of Asymmetric Architecture on Multi-scale Computational Models.
J Biomech. Eng. 2016;19(9):1002-8. doi: 10.1080/10255842.2015.
(ENGINEERING, BIOMEDICAL 34/76, IF 1.748, Q2)
- B1-33 Bogdan A, Barbash I, Fefer P, Segev A, Bogdan Stefan N, Asher E, Fink N, **Hamdan A**, Spiegelstein D, Raanani E, Guetta V.
Albumin correlates with all-cause mortality in elderly patients undergoing transcatheter aortic valve implantation.
EuroIntervention. 2016 Oct 10;12(8):e1057-e1064. doi: 10.4244/EIJY15M10_09.
(CARDIAC & CARDIOVASCULAR SYSTEMS 58/125, IF 2.396, Q2)
- B1-34 Fink N, Segev A, Barbash I, Bogdan A, **Hamdan A**, Mazin I, Maor E, Hay I Spiegelstein D, Guetta V, Fefer P.
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- B1-36 **Hamdan A**, Guetta V, Klempfner R, Konen E, Raanani E, Glikson M, Goitein O, Segev A, Barbash I, Fefer P, Spiegelstein D, Goldenberg I, Schwammenthal E. Inverse Relationship Between Membranous Septal Length and the Risk of Atrioventricular Block in Patients Undergoing Transcatheter Aortic Valve Implantation. JACC Cardiovasc Interv. 2015 Aug 17;8(9):1218-28. doi: 10.1016/j.jcin.2015.05.010.
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- B1-38 Nachum ER, Raanani E, Segev A, Guetta V, Hai I, Shinfeld A, Fefer P, **Ashraf H**, Barabash I, Shalabi A, Spiegelstein D. Transapical Transcatheter Valve-in-Valve Implantation for Failed Mitral Valve Bioprosthesis. Isr Med Assoc J. 2016 Jan;18(1):13-7.
- B1-39 Halevi R, **Hamdan A**, Marom G, Lavon K, Ben-Zekry S, Raanani E, Bluestein D, Haj-Ali R. Fluid-structure interaction modeling of calcific aortic valve disease using patient-specific three-dimensional calcification scans. Med Biol Eng Comput. 2016;54(11):1683-1694.
- B1-40 **Hamdan A**; Barbash I; Schwammenthal E; Segev A; Kornowski R; Assali A, Shaviv E; Fefer P; Goitein O, Konen E, Guetta V. Sex Differences in Aortic Root and Vascular Anatomy in Patients Undergoing Transcatheter Aortic Valve Implantation: A Computer-Tomographic Study. J Cardiovasc Computed Tomogr. 2017
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- B1-49 Arowa Z, Nassar M, Monakier D, Bental T, Shafir G, Assali A, Vaknin-Assa H, Kornowski R, **Hamdan A**. Prevalence and Morphology of Myocardial Crypts in Hypertrophic Cardiomyopathy by Computed Tomography. International J of Cardiovascular Computed Tomography. 2018.
- B1-50 Roehle R, Wieske V, Schuetz GM, Gueret P, Andreini D, Meijboom WB, Pontone G, Garcia M, Alkadhi H, Honoris L, Hausleiter J, Bettencourt N, Zimmermann E, Leschka S, Gerber B, Rochitte C, Schoepf UJ, Shabestari AA, Nørgaard B, Sato A, Knuuti J, Meijs MFL, Brodoefel H, Jenkins SMM, Øvrehus KA, Diederichsen ACP, **Hamdan A**, Halvorsen BA, Mendoza Rodriguez V, Wan YL, Rixe J, Sheikh M, Langer C, Ghostine S, Martuscelli E, Niinuma H, Scholte A, Nikolaou K, Ulimoen G, Zhang Z, Mickley H, Nieman K, Kaufmann P, Büchel RR, Herzog B, Clouse M, Halon DA, Leipsic J, Bush D, Jakamy R, Sun K, Yang L, Johnson T, Laissy JP, Marcus R, Muraglia S, Tardif JC, Chow B, Paul N, Maintz D, Hoe J, de Roos A, Haase R, Laule M, Schlattmann P, Dewey M. Diagnostic performance of coronary computed tomography angiography: a collaborative meta-analysis of individual participant data from diagnostic accuracy studies. BMJ 2018.

B.2. CASE REPORTS**B.2. Case Reports published**

- B2-1 Bairey O, Kirgner I, Yakobi M, **Hamdan A**, Ben-Ari Z, Shaklai M.
Clinical severe hepatic venoocclusive disease during induction treatment of acute monoblastic leukemia managed with defibrotide.
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- B2-5 Roser M, **Hamdan A**, Komoda T, Kriatselis C, Stawowy P, Meyer R, Hetzer R, Knosalla C, Paetsch I.
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Times Cited: [5](#) (from All Databases)

- B2-6 Jahnke C, **Hamdan A**, Fleck E, Paetsch I.
Tissue characterization of a suspected aortic valve fibroelastoma with cardiac magnetic resonance imaging.
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(CARDIAC & CARDIOVASCULAR SYSTEMS 9/125, 6.752, Q1)

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- B2-7 Erez A, Barbash I, Spiegelstein D, Kogan A, **Hamdan A**, Shinfeld A, Preisman S, Segev A.
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B.3. REVIEW ARTICLES

B.3. Review Articles Published

- B3-1 **Hamdan A**, Zafrir N, Sagie A, Kornowski R.
Modalities to assess myocardial viability in the modern cardiology era.
Coron Artery Dis. 2006 Sep;17(6):567-76.
(PERIPHERAL VASCULAR DISEASE 52/65, IF 1.302, Q4)

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- B3-2 **Hamdan A**, Assali A, Fuchs S, Battler A, Kornowski R.
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- B3-3 **Hamdan A.**, C. Rischpler, F.Hyafil.
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- B3-4 **Hamdan A**, Kornowski R.
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C. CHAPTERS IN BOOKS

- C-1 **Hamdan A**
Multimodality 3D Imaging: Cardiac Computed Tomography
In: Editors: Chaim Yosefy.
Principles of Practical Three-Dimensional Echocardiography. Israel 2014.

D.1. INVITED PAPERS IN SCIENTIFIC MEETINGS

- D1-1 **Hamdan A**
The Role of MRI in CRT and CRT-D. 9th International Dead sea Symposium on
Cardiac Arrhythmias and Device Therapy. Israel, 2/2010, Invited speaker.
- D1-2 **Hamdan A**
Cardiac CT Angiography. 22st International Cardiology Meeting of the Cyprus
Society of Cardiology. Cyprus, 3/2010, Invited speaker.
- D1-3 **Hamdan A**
Advanced Cardiac Imaging in Athletes. 11th International Dead sea Symposium on
Cardiac Arrhythmias and Device Therapy. Israel, 2/2012, Invited speaker.
- D1-4 **Hamdan A**
Four Dimensional Computed Tomography before TAVI. Israeli Society of
Cardiology, The First International Heart Valve Summit of the Israel Heart Society,
Israel 5/2012, Invited Speaker.
- D1-5 **Hamdan A**
9th annual Scientific meeting of the Society of Cardiovascular Computed
Tomography's meeting, USA, 1/2014, International master.
- D1-6 **Hamdan A**

MRI: Functional and Anatomical Assessment of CAD. Special Session in Memory of Richard S. Meltzer 61st annual conference of the Israel Heart Society. Israel ,5/2014. Invited Speaker.

D1-7 Hamdan A

The Role of CT in Pre-procedural Planning for Patients Undergoing TAVI. European Society of Cardiology Congress. Spain ,9/2014, Invited speaker.

D1-8 Hamdan A

10th annular Scientific meeting of the Society of Cardiovascular Computed Tomography's meeting, USA, 1/2015, International master.

D1-9 Hamdan A

CT and MRI for Pericardial Disease. European Society of Cardiology. ¹¹th Meeting of the Myocardial and Pericardial Diseases Working group. Israel, 2/2015, Invited speaker.

D1-10 Hamdan A

Optimal imaging for the assessment of candidates for trans-catheter aortic valve implantation. Romanian Society of Cardiology, National Congress of Cardiology, Romania, 9/2015. Invited speaker.

D1-11 Hamdan A

Philips Workshop - Cardiac CT and MR applications on ISP8 TAVI Hands on, Israel, 2/2016. Invited speaker.

D1-12 Hamdan A

Is the localized pacemaker infection really localized? PET/CT/MRI in clinical decision making. Israeli Society of Cardiology, Annual Meeting of the Cardiac Pacing and Electrophysiology, Echocardiography, and Heart failure working group. Israel, 1/2017. Invited speaker.

D1-23 Hamdan A

Nuclear Imaging in Cardio-Oncology: What's New? The 2^{ne} International Meeting on CardioOncology. 15-17 June 2017. Invited speaker

D1-24 **Hamdan A**

Chairperson in Sess. Title: Cardiac CT in patients with valvular heart disease. ESC congress 2018.

D1-25 **Hamdan A**

Philips Workshop - TAVI Hands on ISP10. Israel Radiology Association. Invited lecture ISRA. Eilat, Israel 11/2018.

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

D.3. ABSTRACTS

- D3-1 **Hamdan A**, Bengal T, Mansor M, Shapira Y, Vaturi M, Battler A, Sagie A. Tissue Doppler Imaging in Patients with Severe Left Ventricular Dysfunction: Relation to Functional Class. Israel Heart Society Congress, 2003.
- D3-2 **Hamdan A**, Bengal T, Mansor M, Shapira Y, Vaturi M, Battler A, Sagie A. Myocardial Performance Index and Heterovolumic Index in Patients with Severe Left Ventricular Dysfunction: Relation to Functional Class. Israel Heart Society Congress, 2003.
- D3-3 **Hamdan A**, Kornowski R, Teplisky I, Shor N, Rechavia E, Butto N, Sela O, Hasdai D, Battler A, Assali A. Is there any Role for "Rescue" Angioplasty in Patients with Acute Anterior Myocardial Infarction? Israel Heart Society Congress, 2003.
- D3-4 **Hamdan A**, Kornowski R, Teplisky I, Shor N, Imbar S, Hasdai D, Battler A, Shapira Y, Sagie A, Assali A. Left ventricular mural thrombus and stroke following acute anterior myocardial infarction. ESC Congress, Muenchen, 2004.

- D3-5 **Hamdan A**, Shapira Y, Iakobishvili Z, Bengal T, Battler A, Sagie A. Association between left bundle branch block and the severity of mitral regurgitation in patients with advanced left ventricular dysfunction. Israel Heart Society Congress, 2004.
- D3-6 **Hamdan A**, Assali A, Teplisky I, Levy E, Shor N, Sela O, Fuchs S, Battler A, Kornowski R. Angiographic findings and clinical outcome in diabetic patients with acute myocardial infarction treated with primary percutaneous transluminal coronary angioplasty. Israel Heart Society Congress, 2004.
- D3-7 **Hamdan A**, Kornowski R, Teplisky I, Zafir N, Solodky A, Hasdai D, Imbar S, Sagie A, Battler A, Assali A. Association between myocardial blush and left ventricular remodeling in patients with first acute anterior myocardial infarction undergoing primary angioplasty. Israel Heart Society Congress, 2004.
- D3-8 **Hamdan A**, Kornowski R, Teplisky I, Shor N, Rechavia E, Butto N, Sela O, Brosh D, Fuchs S, Hasdai D, Battler A, Assali A. Predictors of left ventricular dysfunction in patients with first acute anterior myocardial infarction undergoing primary angioplasty. Israel Heart Society Congress, 2004.
- D3-9 **Hamdan A**, Fuchs S, Vaknin-Assa H, Teplitsky I, Shor N, Rechavia E, Bar-El Y, Butto N, Sagie A, Hasdai D, Battler A, Kornowski R, Assali AR. Acute Myocardial Infarction with Severe Left Ventricular dysfunction: Predictors of Mortality. Israel Heart Society Congress, 2005; (Abstract Nr. P535).
- D3-10 **Hamdan A**, Kornowski R, Teplitsky I, Shor N, Vaknin-Assa H, Sela O, Hasdai D, Fuchs S, Battler A, Assali AR. Predictors of One-month Mortality after Acute Inferior Myocardial Infarction. Israel Heart Society Congress, 2005; (Abstract Nr. P536).
- D3-11 **Hamdan A**, Kornowski R, Teplitsky I, Zafir N, Solodky A, Porter A, Hasdai D, Imbar S, Sagie A, Battler A, Assali AR. Abnormal Myocardial Blush Predict LV Remodeling After First Acute Anterior Myocardial Infarction Undergoing Successful [Final TIMI Flow 3] Primary Angioplasty. Israel Heart Society Congress, 2005; (Abstract Nr. S21).

- D3-12 **Hamdan A**, Kornowski R, Vaknin-Assa H, Teplitsky I, Sela O, Almog M, Halevi S, Brosh D, Hasdai D, Fuchs S, Zafir N, Battler A, Assali AR. Predictors of Malignant Arrhythmia Before and During Cardiac Catheterization in Acute Myocardial Infarction. Israel Heart Society Congress, 2005; (Abstract Nr. EC4).
- D3-13 **Hamdan A**, Kornowski R, Brosh D, Teplisky I, Ben-Dor I, Fuchs S, Assali A. Clinical Outcome of Type II Diabetic Patients with Acute Myocardial Infarction Treated with Sulfonylurea or Insulin. Israel Heart Society Congress, 2006.
- D3-14 **Hamdan A**, Ben-Dor I, Shilo N, Kornowski R, Assali A. Complications associated with Intraaortic Balloon counterpulsation in Patients with Acute Myocardial Infarction Treated by primary angioplasty. Israel Heart Society Congress, 2006.
- D3-15 **Hamdan A**, Thouet T, Fahmy A, Osman NF, Fleck E, Paetsch I. The sequence of left and right ventricular Contraction Using Strain-encoded MRI at 3 Tesla. 74th Annual German Heart Society meeting. Mannheim Germany, 2008, (Abstract Nr. V320).
- D3-16 **Hamdan A**, Thouet T, Fahmy A, Osman NF, Fleck E, Paetsch I. Right Ventricular Function in Healthy Volunteers Using Strain-encoded MRI at 3 Tesla. 74th Annual German Heart Society meeting. Mannheim Germany, 2008, (Abstract Nr. V323).
- D3-17 **Hamdan A**, Thouet T, Fahmy A, Osman NF, Fleck E, Paetsch I. Regional Right Ventricular Function and Timing of Contraction in Healthy Volunteers Using Strain-encoded MRI at 3 Tesla. 11th Annual SCMR Scientific Sessions. Los Angeles, USA, 2008.
- D3-18 **Hamdan A**, Gebker R, Kilian H, Paetsch I, Jahnke J, Bernard S, Huppertz A, Fleck E. Direct Comparison of 32-Element Magnetic Resonance Imaging at 3.0 T and 64-Slice Computed Tomography for Detection of Coronary Artery Stenosis. 75th Annual German Heart Society meeting. Mannheim Germany, April 2009, (Abstract Nr. A1715).

- D3-19 **Hamdan A**, Asbach P, Wellnhofer E, Klein C, Gebker R, Kilian H Huppertz A, Fleck E. Direct Comparison of 32-Channel 3.0 Tesla Magnetic Resonance Imaging and 64-Slice Computed Tomography for Detection of Coronary Artery Stenosis: A Prospective Two Center Study. American Heart Association's Scientific Sessions, 2009 in Orlando, Florida (Abstract Nr. 14555). Circulation 2009;120:S333.
- D3-20 **Hamdan A**, Charalampos K, Wellnhofer E, Schnackenburg B, Fleck E. Magnetic Resonance Imaging versus Computed Tomography for Characterization of Pulmonary Vein Morphology before Radiofrequency Catheter Ablation of Atrial Fibrillation: a Head-to-Head Comparison. The 57th Annual Congress of the Israel Heart Society, 2010.
- D3-21 **Hamdan A**, Goiten O, Di Segni E, Hardan I, Asher E, Freimark D, Afek A, Konen E, Arad M. The Value of MRI in Diagnosing Cardiac Amyloidosis. The 57th Annual Congress of the Israel Heart Society, 2010.
- D3-22 **Hamdan A**, Goitein O, Konen E, Beigel R, Oieru D, Eshet Y, Di Segni E, Eldar M, Matetzky S. Relation of Coronary Artery Plaque Assessed by Cardiac CT and Serum Level of High-Sensitivity C-reactive Protein in Patients With Acute Chest Pain. The 96th Scientific Annual Meeting of the Radiological Society of North America, 2010.
- D3-23 **Hamdan A**, Goitein G, Di Segni E, Eldar M, Konen E. Dobutamine Magnetic Resonance Stress Testing: Initial Experience in Israel. 59th Annual Congress of the Israel Heart Society, 2012.
- D3-24 **Hamdan A**, Goitein O, Yakubovitch D, Silverberg D, Halak M, Di Segni E, Konen E. Role of Dobutamine Stress MRI for Preoperative Cardiac Risk Assessment before Major Vascular Surgery. 60th Annual Congress of the Israel Heart Society, 2013.
- D3-25 **Hamdan A**, Guetta V, Raanani E, Konen E, Klempfner R, Segev A, Medvedovsky D, Goitein O, Eldar M, Schwammenthal E. Predictors of Permanent Pacemaker Implantation After Transcatheter Aortic Valve Implantation. 60th Annual Congress of the Israel Heart Society, 2013.

- D3-26 **Hamdan A**, Konen E, Goitein O, Raanani E, Segev A, Eldar M, Guetta V. Coronary Computed Tomography Angiography for Detection of Coronary Artery Stenosis in Patients Undergoing Transcatheter Aortic Valve Implantation: Feasibility and Diagnostic Performance. 60th Annual Congress of the Israel Heart Society, 2013.
- D3-27 **Hamdan A**, Abu Baker F, Klein M, Di Segni E, Goitein O, Fibisch G, Konen E. Constrictive Pericarditis in the Modern Cardiology Era Quantitative Analysis of Constrictive Physiology using Four-Dimensional MRI. Euro CMR 2013, Florence Italy.
- D3-28 **Hamdan A**, Doltra A, Huppertz A, Wellnhofer E, Fleck E, Kelle S. DIRECT Comparison of Coronary MR and CT Angiography for Prediction of Cardiovascular Events – a Long-term Follow-up Study. 61th Annual Congress of the Israel Heart Society, 2014.
- D3-29 **Hamdan A**, Guetta V, Konen E, Raanani E, Klempfner R, Segev A, Goitein O, Medvedovsky D, Eldar M, Schwammenthal E. Computed-tomographic assessment of membranous septal anatomy for risk prediction of atrioventricular block associated with transcatheter aortic balloon expandable valve implantation. 61th Annual Congress of the Israel Heart Society, 2014.
- D3-30 Koifman E, Klempfner R, Goitein O, Konen E, Goldenberg I, **Hamdan A**. Cardiac Rehabilitation in Patients With Acute Myocarditis: Insights from MRI Quantitative Analysis of Myocardial Scar. 61th Annual Congress of the Israel Heart Society, 2014.
- D3-31 Shaviv E, Goitein O, Konen E, Shwammenthal E, Segev A, Barbash I, Fefer P, Hay I, Guetta V, **Hamdan A**. Gender differences in computed tomography measurements before transcatheter aortic valve implantation. 62th Annual Congress of the Israel Heart Society, 2015.

- D3-32 Abu-Much A, haj yahia S, Goitein O, yassin S, Hay I, Micha F, Konen E, **Hamdan A.** Computed tomography versus echocardiography for assessment of left ventricular dimensions and mass in patients undergoing transcatheter aortic valve implantation. 62th Annual Congress of the Israel Heart Society, 2015.
- D3-33 **Hamdan A.** Shaviv E, Goitein O, Konen E, Segev A, Barbash I, Fefer P, Hay I, Guetta V, Schwammenthal E. Left Ventricular Mass to Coronary Blood Volume Ratio in Patients with Severe Aortic Stenosis Undergoing Transcatheter Aortic valve Implantation. 62th Annual Congress of the Israel Heart Society, 2015.
- D3-34 Shaviv E, Goitein O, Konen E, Schwammenthal E, Segev A, Barbash I, Fefer P, Hay I, Guetta V, **Hamdan A.** Gender differences in computed tomography measurements before transcatheter aortic valve implantation. ESC Congress, 29 August – 2 September 2015; P4999.
- D3-35 **Hamdan A.** Shaviv E, Kornowski R, Guetta V, Assali A, Barbash I, Goitein O, Konen E, Fefer P, Segev A, Schwammenthal E. Left Ventricular Mass to Coronary Blood Volume Ratio in Patients with Severe Aortic Stenosis Undergoing Transcatheter Aortic valve Implantation. 63th Annual Congress of the Israel Heart Society, 2016.
- D3-36 Gutstein A, Kornowski R, Assali A, Vaknin H, Shafir G, **Hamdan A.** Iterative Model Reconstruction in Patients Undergoing CT before Trans-catheter Aortic Valve Implantation: Reduction of Radiation and Contrast volume. 63th Annual Congress of the Israel Heart Society, 2016.
- D3-37 **Hamdan A.** Schwammenthal E, Monakier D, Gutstein A, Shafir G, Assali A, Kornowski R. Left Ventricular Mass to Coronary Blood Volume Ratio in Discrimination of Hypertrophic Phenotypes: Hypertrophic Cardiomyopathy and Hypertensive Heart Disease. ESC Congress, Rome, 27 August - 31 August 2016; P5219.
- D3- 38 A.Gutstein, N. Zafrir, T. Bental, I. Mats, A. Solodky, R. Kornowski, **A. Hamdan.** Effectiveness of Prone Imaging for Spect Myocardial Perfusion According to

Gender and Artifact Location. 64th Annual Congress of the Israel Heart Society, 2016.

- D3-39 Z. Arow, A. Gutstien, D. Monakier, G. Shafir, Y. Hammer, A. Assali, H. Vaknin-Assa, U. Landes, R. Kornowski, **A. Hamdan**. Insights into the Hypertrophied Hearts: a Cardiac Computed Tomography Study of Myocardial Crypts. 12th Annual Scientific Meeting of the Society of Cardiovascular Computed Tomography 6-9. Washington, July, 2017; A14.
- D3-40 Y. Hammer, Y. Talmor-Barkan, Ariel Gutstein, A. Assali, G. Shafir, K. Orvin, U. Landes, A. Levi, Z. Arow, H. Vaknin-Assa, R. Kornowski, **A. Hamdan**. Estimation of Myocardial Extracellular Volume Fraction with Cardiac CT in Patients Undergoing Transcatheter Aortic Valve Implantation. 12th Annual Scientific Meeting of the Society of Cardiovascular Computed Tomography. Washington, 6-9 July, 2017; A14.
- D3-41 Z. Arow, Y. Hammer, A. Gutstien, G. Shafir, U. Landes, R. Kornowski, **A. Hamdan**. Improved Quantitative Assessment of Left Ventricular Volumes and Chamber Dimensions Using Iterative Model Reconstruction Algorithm. 12th Annual Scientific Meeting of the Society of Cardiovascular Computed Tomography. Washington, 6-9 July, 2017; A14.
- D3-42 Nassar M, Yafim B, Perlman G, Assali A, Danenberg H, Shafir G, Vaknin-Assa H, Orbin K, Codner P, Kornowski R, **Hamdan A**. Differences in Valve Morphology and Aortopathy Between Patients with Bicuspid and Tricuspid Aortic Valves: A Computed Tomography Study. 13th Annual Scientific Meeting of the Society of Cardiovascular Computed Tomography. Texas, 13-15 July, 2018. Oral presentation.
- D3-43 Nassar M, Monakier D, Arow Z, Shafir G, Kornowski R, **Hamdan A**. Prognostic Value of Coronary Artery Blood Volume to Myocardial Mass Mismatch in Patients with Hypertrophic Cardiomyopathy. 13th Annual Scientific Meeting of the Society of Cardiovascular Computed Tomography. Texas, 13-15 July, 2018. Oral presentation.

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E. ITEMS IN ENCYCLOPEDIAS

F. BOOKS EDITED

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