

January 2013

RESUME

ARIEL ROGUIN, M.D., Ph.D.

1. PERSONAL DETAILS

WORK ADDRESS. **Director, Interventional Cardiology,**
Department of Cardiology
Rambam Medical Center
Bat Galim, Haifa 31096, Israel
Fax 972-4-854-3451 Office 972-4-854-2181 Mobile 050-206-3201

e-Mail: aroguin@technion.ac.il or a_roguin@rambam.health.gov.il

2. ACADEMIC DEGREES

1987-1994: **Faculty of Medicine, Technion - Israel Institute of Technology, Haifa, Israel,**
21.5.1991: Bachelor of Science in Medical Sciences (Cum Laude).
19.6.1995: Doctor of Medicine (Cum Laude).
1999-2002 **Faculty of Medicine, Technion - Israel Institute of Technology, Haifa, Israel,**
Ph.D. in Medicine (Angiogenesis)
2005-2011 Senior Lecturer, Faculty of Medicine, Technion
Since 2011 Associate Professor, Faculty of Medicine, Technion

3. CERTIFICATIONS:

June 1995: Israel License to practice Medicine
July 2000: Israel Board Certified in Medicine
March 2004: Israel Board Certified in Cardiology
Sep. 2005 European Cardiologist
Fellow of the European Society of Cardiology

4. PROFESSIONAL EXPERIENCE

1994-1995 Internship; Rambam Medical Center, Haifa, Israel.
1995-1998: Resident; Internal Medicine C, Rambam Medical Center, Haifa, Israel.
1998-2001: Fellow; Cardiology Dept., Rambam Medical Center, Haifa, Israel
1999-2002: PhD student, Anatomy and Cell Biology Dept. , Faculty of Medicine, Technion -
Israel Institute of Technology, Haifa, Israel,
11/2001-6/2002 Staff, Cardiology Dept., Rambam Medical Center, Haifa, Israel
2002-2004: **Research and Interventional Cardiology Fellowship, Division of Cardiology,**
Johns Hopkins Hospital, Baltimore, Maryland, USA.
Since 8-2004: Attending, Cardiology Dept., Rambam Medical Center, Haifa, Israel
Since 3-2005: Senior Lecturer, Faculty of Medicine, Technion - Israel Institute of Technology,
Haifa, Israel,
2006-present: **Director, Interventional Cardiology, Rambam Medical Center,**

EDUCATION:

Primary School:	1972-1976:	Izraelia ,Haifa, Israel
	1977-1978:	Beckford School, London, England
Secondary School:	1979-1984:	Reali Ivri Secondary School,
	Biological-Scientific Course.	Haifa, Israel

MILITARY SERVICE:

Israel Defense Forces: Israeli Navy 1984-1987
Israel Naval Ship - INS Acco: Electronic Warfare Systems Officer, Rank - First sergeant.

LANGUAGES: Hebrew, English, Spanish (Arabic).

5. RESEARCH INTEREST

Angiogenesis and Gene therapy
Cardiac Imaging
Endothelial progenitor cells
MRI Safety with cardiac devices
Percutaneous Coronary Interventions
Ionizing radiation hazards
Restenosis

8. PUBLIC PROFESSIONAL ACTIVITIES

2007 Advisory committee to the Israel Heart Society on "Radiation in Cardiovascular Imaging".
2008 Head of the European Society of Cardiology [EHRA and Imaging working group] Task force for writing the Society's position paper and guidelines regarding "MR imaging in patients with cardiovascular electronic devices". Published in Europace 2008; 10: 336-346
2010 Task force Committee member of the collaborative task force of the Israel Radiological Society and Israeli Heart Society on "Indications for Cardiac CT".
2008-2012 Advisory committee to the Medtronic MRI project.
2010 Steering committee for MRI pacemaker study, Boston Scientific.

2012 Task force Committee member of the Israel Ministry of Health on radiation protection of health workers

Local principal investigator in clinical trials:

Cardiac CT trial, Horizons AMI, Echosense, Rose trial, Early ACS, Haptoguard-II, Lipitor 10 Vs 80, Nobori-2, Prokinetic Energy registry, EnRhythm surescan- MRI trial, Cynergy, e-Sirius, ARTS, E-5 trial, Freedom, e-Nobori, Delux DEB, Cypher e-Select, M-Guard, TARGET-PCI, Master-trial.

Meeting organization:

1. Organizer of the annual "Horizons in Interventional Cardiology" meeting with live case demonstrations at the Rambam Medical Center.
2. Member of the ICI committee.
3. Faculty of many ESC, AHA, ACC HRS and TCT meetings.

Reviewer:

Acute Cardiac Care
American Heart Journal
CardioVascular and Interventional Radiology
Chest
Circulation
EuroIntervention
Europace
European Heart Journal
Expert Review of Medical Devices

Journal of the American College of Cardiology [JACC]
Journal of the American Medical Association [JAMA]
Journal of Invasive Cardiology
International Journal of Cardiology
International Journal of Clinical Practice
International Journal of Interventional Cardiology
PACE
Thrombosis Research
World Journal of Cardiovascular Diseases

6. TEACHING EXPERIENCE

1995-98: Fifth year students (ECG course, and lectures). Internal Medicine C, Rambam Medical Center.
1996-2002: New immigrants' Cardiology course, Rambam Medical Center.
1997-98: Tutor, Fourth year students – Clinical examination course. Internal Medicine C, Rambam Medical Center.
1999: Technion – B. Rappaport Faculty of Medicine - **best lecturer award**
1998-99: Sixth year students, Internal Medicine C, Rambam Medical Center.
1998-2002: Lectures in emergency Medicine and Nephrology - continued medical education nurse courses, Lady Davis School of Nurses, Bat Galim, Haifa.
1999: Tutor Fourth year students – Clinical Medicine course Internal Medicine C, Rambam
1999-2002: Sixth year students, Cardiology Dept, Rambam Medical Center.
2002 ECG course, American program students, 4th year, Technion – Faculty of Medicine.
2003-4 Hemodynamic and angiographic rounds, 3rd year, Johns Hopkins School of Medicine, Baltimore MD, USA
2004, 2006: Tutor., Sixth year students, Cardiology Dept, Rambam Medical Center.
2004-present Clinical instruction to Fifth and Sixth year MD students, Cardiology Dept, Rambam Medical Center
Since 2005: ECG course coordinator, American Program, Technion – Faculty of Medicine.
Since 2005: ECG course coordinator, Integrative course - 4th year, Technion – Faculty of Medicine.
2006-2010: Continued Medical Education, Technion post graduate GP course, 20 hours per semester on different Cardiology topics.
Since 2008: ACS and Interventional Cardiology – 4th year, Integrative course - 4th year, Technion – Faculty of Medicine.
Since 2008: ACS and Interventional Cardiology – 2nd year, American Program, Technion – Faculty of Medicine.
2006, 2008, 2011 Technion – B. Rappaport Faculty of Medicine - **best lecturer award**

7. TECHNION AND HOSPITAL ACTIVITIES:

1997-2002 Rambam Medical Center, Medical Records Committee, Member.
1998-2002 Rambam Medical Center, Task force committee for the treatment of pulmonary edema, Member
2000-2002 Rambam Medical Center, Member of brain death determination council
2005-2007 Rambam Medical Center, Member of Internet site committee
2008 Rambam Medical Center, Member of antiplatelet therapy and surgery recommendations committee
2009 Technion: representative of the faculty of Medicine in the faculty of Bio Medical Engineering.
2011- Member of the Faculty of Medicine Admission committee.

9. MEMBERSHIP IN PROFESSIONAL SOCIETIES

National

Israel Medical Association.

Israel Society of Cardiology
Israel Society for Heart Research

International

American College of Angiology
American Heart Association, Council on Cardiovascular Radiology Member (No. 117-030-977)
American Heart Association, Council on Clinical Cardiology Member (No. 109-178-552)
American College of Cardiology - Fellow
American Diabetes Association
European Society of Cardiology - Fellow
International Society for Heart Research

10. HONORS, PRIZES AND AWARDS:

June 1996: The Halina Thorn award for **best MD thesis**, Technion - Faculty of Medicine.
June 1997: International Society for Artificial Organ fellowship award, Providence, RI, USA.
October 1998: **Young Investigator Award of the American College of Angiology**, New Orleans, LA, USA
1999: Technion - B. Rappaport Faculty of Medicine **award for best annual lecturer**
2000: Foulkes foundation scholarship
Jan 2001 Wolf Foundation finalist
Feb 2001 **Rena Yarom Award Competition Winner**, Israeli Society of Heart Research.
April 2001 **Neufeld foundation award (1st place) for original work**, Israel Heart Society
June 2001 Award for **best abstract** - 4th International Interventional Meeting, London, UK.
October 2001 Rambam Medical Center award for **best clinical study** 2000/01
2001 Israel Ministry of Health bio-medical research grant (# 180-317)
Feb 2002 **Rena Yarom Award Competition Winner**, Israeli Society of Heart Research.
March 2002 Fulbright - United States - Israel Educational Foundation Post-Doctoral award, academic year 2002/2003.
April 2002 JJ Kellerman Young Investigator Award Competition (3rd place), Israel Heart Society.
April 2002 Israel Heart Society - MSD Israel Fellowship Grant – 2002.
May 2002 Israel Pacing Foundation Grant
June 2002 American Physician Fellowship for Medicine Grant
July 2002 Israel Medical Association (world fellowship) - Ami Cohen Grant
September 2002 Reut (Foundation for the development of Israeli Health) Grant
May 2003 Johns Hopkins Dept of Medicine Annual Research Meeting: 2003 best clinical research – finalist.
October 2003 **9th Annual AstraZeneca Cardiovascular Young Investigators' Award, 1st place, Clinical Fellows Competition.** Savannah, GA, USA
November 2003 **Winner of the Melvin Judkins Young Investigator Award in Cardiovascular Radiology.** American Heart Association, Council on Cardiovascular Radiology and Intervention. Orlando, FL, USA
June 2005 Bat Sheva de-Rothschild Grant – Israel Academy of Science Award
Sept 2005 Award for being in the "Top-10" - best abstracts presented in the ESC meeting.
Sept 2005 Moderated e-Poster competition (2nd place) 2005 ESC annual Meeting
May 2006 Technion Mallat family award for biomedical research
May 2007 Morasha Grant - Israel Academy of Science Award
Dec 2007 Technion - B. Rappaport Faculty of Medicine **award for best annual lecturer**
Nov 2010 NRF-Technion "Regenerative Medicine Initiative in Cardiac Restoration Therapy" Grant
April 2012 Israel Heart Society – **Michel Mirowski award in Cardiology**

11. STUDENTS AND INSTRUCTION**M.D. or PhD Thesis**

Year	Student Name	Thesis Title	Additional supervisors
MD Thesis			
1997	Behar Doron, M.D.	Pulmonary edema in an Internal Medicine department.	Y. Edoute
1998	Tchaban Israel, M.D.	Geometry of hypertrophic cardiomyopathy.	SA. Reisner [Primary]
2000	Mary Phley, M.D.	Coronary blood flow and reserve in intermediate stenoses.	R. Beyar [Primary]
2002	Inna Spector, M.D.	Prognosis of acute heart failure	B. Yaacov
2006	Inna Itzikis	Long term follow up of the Biodivysio stent	
2006	Markusohn Erez	Primary percutaneous coronary intervention in survivors of out of hospital cardiac arrest	Kapeliovich M
2007	Michal Raz Borovik	Left ventricular thrombus in the era of primary PCI	
2007-8	Eran Cohen	Prognosis of patients with stents during non cardiac surgery	
2010	Yehonatan Borenstein	The Effect of Early PCI Intervention of Stenotic Saphenous Vein Grafts	
2010	Shiran Eliyahu	Catheterization in Live Case Transmission – Immediate Outcome and Long Term Follow-Up	Rafael Beyar

Basic Science during fellowship

2001	Mahmoud Suleiman	Haptoglobin phenotype in patients with acute MI	Andy Levy
------	------------------	---	-----------

Graduate Students**MSc**

2007-2009	Gala Zimmerman	Atherosclerosis and thrombosis	A. Aharon
-----------	----------------	--------------------------------	-----------

PhD

2005-2010	Saher Hamed	EPCs and diabetes	B Brenner
-----------	-------------	-------------------	-----------

Post Doc training

2007	Julia Guetta	Endothelial function	
------	--------------	----------------------	--

12. SIGNIFICANT PROFESSIONAL PROJECTS

Year	Project title	Institution	Supervisor
1995-1998	Self expanding coronary stents	Technion faculty of Medicine, Rambam Medical Center	Rafael Beyar
1996-2002	Safety and long term results of coronary stents	Technion faculty of Medicine, Rambam Medical	Rafael Beyar

		Center	
1997-2002	Predictors of restenosis following coronary interventions	Technion faculty of Medicine, Rambam Medical Center	Rafael Beyar, Andrew P Levy
2000-2002	Angiogenesis and collateral formation	Technion faculty of Medicine	Andrew P Levy
2002-2004	MR Imaging and electrophysiology applications	Johns Hopkins University	Henry Halperin
2004-	Endothelial progenitor cells	Technion faculty of Medicine	
2010-	Hazards of ionizing radiation	Technion faculty of Medicine	

14. PUBLICATIONS

130 abstract presentations in international meetings.

Over 150 peer reviewed papers.

To watch full list:

[http://www.ncbi.nlm.nih.gov/pubmed/?cmd=Search&term=Roguin%20A\[Author\]](http://www.ncbi.nlm.nih.gov/pubmed/?cmd=Search&term=Roguin%20A[Author])

Selected papers:

1. Beyar R, **Roguin A**. Early and late results of the self-expanding nitinol stents: interim report from a multicenter european study. **J Interven Cardiol** 1997; 10: 207-213.
2. **Roguin A**, Beyar R. The acute effect of stenting with the nitinol self-expanding coil stent: preliminary experience. **Int J Card Imaging** 1997; 13: 441-450.
3. Beyar R, **Roguin A**, Hamburger J, Saaiman A, Bartorelli AL, DiMario C, Colombo A, Hamm CW, White CJ, Marco J, Serruys PW. Multicenter pilot study of a serpentine balloon-expandable stent (bestent™): acute angiographic and clinical results. **J Interven Cardiol** 1997; 10: 277-286.
4. **Roguin A**, Grenadier E, Peled B, Markiewicz W, Beyar R. Acute and 30-day results of the serpentine balloon expandable stent implantation in simple and complex coronary narrowings. **Am J Cardiol** 1997; 80: 1155-1162.
5. **Roguin A**, Rinkevich D, Milo S, Markiewicz W, Reisner SA. Long term follow up of patients with severe rheumatic tricuspid stenosis. **Am Heart J** 1998; 136: 103-108.
6. Schultz A, Lavie L, Hochberg I, Beyar R, Stone T, Skorecki K, Lavie P, **Roguin A**, Levy AP. Interindividual heterogeneity in the hypoxic regulation of VEGF: significance for the development of the coronary artery collateral circulation. **Circulation** 1999; 100: 547-552.
7. **Roguin A**, Markiewicz W, Grenadier E, Linn S, Beyar R. Continued expansion of the nitinol self-expanding coronary stent: Angiographic analysis and 1-year clinical follow-up. **Am Heart J** 1999; 138: 326-333.
8. **Roguin A**, Gruberg L, Markiewicz W, Grenadier E, Peled B, Hir J, Linn S, Eisen I, Beyar R. One-year clinical follow up with the serpentine balloon expandable stent: report of the first 100 patients. **Coronary Artery Disease** 1999; 10: 421-425.
9. Edoute Y, **Roguin A**, Behar DM, Reisner SA. Prospective evaluation of pulmonary edema. **Crit Care Med** 2000; 28: 330-335.
10. **Roguin A**, Behar DM, Ben Ami H, Reisner SA, Edelstein S, Linn S, Edoute Y. Long-term prognosis of acute pulmonary oedema - an ominous outcome. **Eur J Heart Failure** 2000; 2: 137-144
11. Levy AP, **Roguin A**, Hochberg I, Herer P, Marsh S, Nakhoul FM, Skorecki K. Haptoglobin phenotype and vascular complications in diabetes. **New Engl J Med** 2000; 343: 969-970.
12. **Roguin A**, Beyar R. Small vessel stenting is safe, but still waiting for a well-proven antirestenotic effect. **Eur Heart J** 2000; 21:1732-1734
13. **Roguin A**, Hochberg I, Nikolsky E, Markiewicz W, Meisel SR, Hir J, Grenadier E, Beyar R, Levy AP. Haptoglobin genotype as a predictor of restenosis after PTCA. **Am J Cardiol** 2001; 87: 330-332.
14. Grenadier E, **Roguin A**, Hertz I, Peled B, Boulos M, Nikolsky E, Amikam S, Kerner A, Cohen S, Beyar R. Stenting very small coronary narrowings (< 2 mm) using the biocompatible phosphorylcholine- coated coronary stent. **Catheter Cardiovasc Interv** 2002; 55:303-308.
15. **Roguin A**, Ribichini F, Ferrero V, Matullo G, Herer P, Wijns W, Levy AP. Haptoglobin phenotype and the risk of restenosis after coronary artery stent implantation. **Am J Cardiol** 2002; 89: 806-10.

16. **Roguin A**, Avivi A, Nitecki S, Rubinstein I, Levy NS, Abassi ZA, Resnick MB, Lache O, Melamed-Frank M, Joel A, Hoffman A, Nevo E, Levy AP. Restoration of blood flow by using continuous perimuscular infiltration of plasmid DNA encoding subterranean mole rat *Spalax ehrenbergi* VEGF. **Proc Natl Acad Sci USA** 2003; 100: 4644-4648.
17. **Roguin A**, Koch W, Kastrati A, Aronson D, Schomig A, Levy AP. Haptoglobin genotype is predictive of major adverse cardiac events in the 1-year period after percutaneous transluminal coronary angioplasty in individuals with diabetes. **Diabetes Care** 2003; 26: 2628-2631.
18. **Roguin A**, Nitecki S, Rubinstein I, Abassi ZA, Sabo E, Levy NS, Nevo E, Avivi A, Lache O, Frank M, Hoffman A, Levy AP. Vascular endothelial growth factor fails to improve blood flow and promote collateralization in a diabetes model of hindlimb ischemia. **Cardiovasc Diabetol** 2003; 2: 18-27.
19. **Roguin A**, Resar JR. Genetics and susceptibility of coronary collateral formation. *Circulation*. 2003; 108: e149-150.
20. **Roguin A**, Bomma CS, Nasir K, Tandri H, Tichnell C, James C, Rutberg J, Crosson J, Spevak PJ, Berger RD, Halperin HR, Calkins H. Implantable Cardioverter-Defibrillators in patients with arrhythmogenic right ventricular Dysplasia/Cardiomyopathy. **J Am Coll Cardiol**. 2004; 43:1843-52.
21. **Roguin A**, Zviman MM, Meininger GR, Rodriguez ER, Dickfeld TM, Bluemke DA, Lardo A, Berger RD, Calkins H, Halperin HR. Modern pacemaker and implantable cardioverter/defibrillator systems can be magnetic resonance imaging safe: in vitro and in vivo assessment of safety and function at 1.5 T. **Circulation**. 2004; 110:475-82.
22. Zviman MM, **Roguin A**, Jacobs A, Rent K, Lardo A, Halperin HR. A new method for inducing hypothermia during cardiac arrest. **Crit Care Med**. 2004;32 (Suppl):S369-73.
23. **Roguin A**, Steinberg BA, Watkins 3rd SP, Hill P, Fernando D, Resar JR. Magneto-Cardio-Gram recordings in a non shielded environment - reproducibility and ischemia detection. **Ann Noninvasive Electrocardiol**. 2005;10:152-60.
24. **Roguin A**, Steinberg BA, Watkins 3rd SP, Resar JR. Safety of Bivalirudin during percutaneous coronary interventions in patients with abnormal renal function. **Int J Intervent Cardiol** 2005; 7:88-92.
25. **Roguin A**, Resar JR, Voner J, Nasir K, Hennebry TA, Miller JM, Ingersoll R, Kasch LM, Semenza GL. Hypoxia-Inducible Factor 1 α polymorphism and coronary collaterals in patients with ischemic heart disease. **Chest** 2005; 128: 787-791.
26. Goldsher D, Amikam S, Boulos M, Suleiman M, Shreiber R, Eran A, Goldshmid Y, Mazbar R, **Roguin A**. Magnetic resonance imaging for patients with permanent pacemakers. **Isr Med Assoc J**. 2006;8:91-4.
27. Nazarian S, **Roguin A**, Zviman MM, Lardo AC, Dickfeld TL, Calkins H, Weiss RG, Berger RD, Bluemke DA, Halperin HR. Clinical utility and safety of a protocol for noncardiac and cardiac magnetic resonance imaging of patients with permanent pacemakers and implantable-cardioverter defibrillators at 1.5 Tesla. **Circulation**. 2006; 114:1277-84.
28. Rispler S, Keidar Z, Ghersin E, **Roguin A**, Soil A, Dragu R, Litmanovich D, Frenkel A, Aronson D, Engel A, Beyar R, Israel O. Integrated SPECT/CT for the assessment of hemodynamically significant coronary artery lesions. **J Am Coll Cardiol** 2007; 49: 1059-67.

29. **Roguin A**, Nasir K, Sarwar A, Rumberger JA, Blumenthal RS. Gender differences in coronary arteries and thoracic aorta calcification. **Arterioscler Thromb Vasc Biol.** 2007; 27:1220-2.
30. Nair P, **Roguin A**. Radiation during cardiovascular imaging. **Br J Cardiol.** 2007; 14:289-292.
31. Dragu R, Kerner A, Gruberg L, Rispler S, Lessick J, Ghersin E, Litmanovich D, Engel A, Beyar R, **Roguin A**. Angiographically uncertain left main coronary artery narrowings: correlation with multidetector computed tomography and intravascular ultrasound. **Int J Cardiovasc Imaging.** 2007; 24:557-63
32. **Roguin A**, Schwitter J, Vahlhaus C, Lombardi M, Priori S, Sommer T. ESC Position paper – Magnetic Resonance Imaging in individuals with Pacemakers or Implantable cardioverter defibrillator systems. **Europace** 2008; 10:336-346.
33. Lin S, **Roguin A**, Metzger Z, Levin L. Vascular endothelial growth factor (VEGF) response to dental trauma: a preliminary study in rats. **Dent Traumatol.** 2008; 24:435-8.
34. **Roguin A**, Ghersin E, Engel A, Abadi S, Beyar R, Rispler S. Cardiology consultation as a gatekeeper prior to cardiac multi-detector computed tomography. **IMAJ** 2008; 10:702-6.
35. **Roguin A**, Abadi S, Engel A, Beyar R. Novel method for real time hybrid cardiac CT and coronary angiography image registration. **EuroIntervention** 2009; 4:648-653.
36. Osherov AB, Borovik-Raz M, Aronson D, Agmon Y, Kapeliovich M, Kerner A, Grenadier E, Hammerman H, Nikolsky E, **Roguin A**. Incidence of early left ventricular thrombus after acute anterior wall myocardial infarction in the primary coronary intervention era. **Am Heart J.** 2009; 157:1074-80.
37. **Roguin A**, Beyar R. Real case virtual reality training prior to carotid artery stenting. **Catheter Cardiovasc Interv.** 2010; 75:279-82
38. Hamed S, Brenner B, Aharon A, Daoud D, **Roguin A**. Nitric oxide and superoxide dismutase modulate endothelial progenitor cell function in type 2 diabetes mellitus. **Cardiovasc Diabetol.** 2009;8:56-62.
39. Hamed S, Brenner B, Abassi Z, Aharon A, Daoud D, **Roguin A**. Hyperglycemia and Oxidized-LDL exert a deleterious effect on Endothelial Progenitor Cell migration in Type 2 Diabetes Mellitus. **Thromb Res.** 2010; 126:166-74.
40. Hamed S, Alshiek J, Aharon A, Brenner B, **Roguin A**. Red wine consumption improves the in vitro migration of endothelial progenitor cells in young, healthy individuals. **Am J Clin Nutr.** 2010; 92:161-9.
41. Cohen E, Osherov AB, Edry R, Sebbag A, Massalha ST, Kerner A, **Roguin A**. Perioperative antiplatelet therapy in patients with coronary stents. **Int J Cardiol** 2010; 145: 548-550.
42. Hamed S, Brenner B, **Roguin A**. Nitric oxide: a key factor behind the dysfunctionality of endothelial progenitor cells in diabetes mellitus type-2. **Cardiovasc Res.** 2011; 91:9-15.
43. Tsimerman G, **Roguin A**, Bachar A, Melamed E, Brenner B, Aharon A. Involvement of microparticles in diabetic vascular complications. **Thromb Haemost.** 2011; 106: 310-21.
44. Nazarian S, Hansford R, **Roguin A**, Goldsher D, Zviman MM, Lardo AC, Caffo BS, Frick KD, Kraut MA, Kamel IR, Calkins H, Berger RD, Bluemke DA, Halperin HR. Magnetic Resonance Imaging for Patients with Implanted Cardiac Devices at 1.5 Tesla: Prospective Study to Assess Safety, Utility, and Cost Effectiveness. **Ann Int Med** 2011; 155:415-424.

45. Rubinshtein R, Wolak A, Goitein O, Kornowski R, Gaspar T, Aviram G, **Roguin A**, Blinder G, Shemesh J, Konen E. Appropriateness criteria for the use of cardiac computed tomography: position paper of the Israeli Heart Society and the Israeli Society of Radiology. **Harefuah**. 2011;150:801-5.
46. Lessick J, Abadi S, Agmon Y, Keidar Z, Carasso S, Aronson D, Ghersin E, Rispler S, Sebbag A, Israel O, Hammerman H, **Roguin A**. Multidetector computed tomography predictors of late ventricular remodeling and function after acute myocardial infarction. **Eur J Radiol**. 2011 Dec 30. [Epub ahead of print].
47. **Roguin A**, Goldstein J, Bar O. Brain tumours among interventional cardiologists: a cause for alarm? Report of four new cases from two cities and a review of the literature. **EuroIntervention**. 2012;7:1081-6.
48. **Roguin A***, Eliyahu S*, Kerner A, Boulos M, Lorber A, Halabi M, Suleiman M, Nikolsky E, Rispler S, Beyar R. Live Case Demonstration of Interventional Cardiology Procedures - Is it really safe? **JACC Cardiovasc Intervent** 2012; 5:215-224.
49. Barac Y*, Fath-Ordoubadi F*, Abergel E, Danzi GB, Kerner A, Nikolsky E, Halabi M, Mamas M, El-Omar M, Fraser D, **Roguin A**. Gender impact on prognosis of acute coronary syndrome patients treated with drug eluting stents. **Am J Cardiol** 2012; 110:636-42
50. Yuan S, Xiong G, **Roguin A**, Choong C. Immobilization of gelatin onto Poly(Glycidyl Methacrylate)-grafted Polycaprolactone substrates for improved cell-material interactions. **Biointerphases**. 2012; 7:30.
51. **Roguin A**, Goldstein J, Bar O. Brain malignancies and ionising radiation: more cases reported. **EuroIntervention**. 2012; 8:169-70.
52. Dotan M, **Roguin A**, Sinyor D, Yalonetsky S, Asaad K, Schwartz Y, Khatib I, Lorber A. Increased Incidence of Coronary Artery Origin Anomalies Associated With Isolated Patent Ductus Arteriosus. **Pediatr Cardiol**. 2012 Nov 11. [Epub ahead of print].
53. **Roguin A**, Goldstein J, Bar O, Goldstein JA. Brain and Neck Tumors Among Physicians Performing Interventional Procedures . **Am J Cardiol** 2013

Editorials

54. Beyar R, **Roguin A**. The sirolimus coated stent: will the Achilles heel of interventional cardiology finally be cured? **Eur Heart J** 2001; 22:2054-2057.
55. **Roguin A**, Beyar R. Coronary perforation 2006 - watch for the wire. **J Invasive Cardiol**. 2005; 17:606-8.
56. **Roguin A**. Editorial: MRI in patients with ICDs and pacemakers. **J Am Coll Cardiol** 2009; 54:556-7.
57. **Roguin A**, Beyar R. Coronary bifurcation interventions - stay on the highway and keep it simple! **J Invasive Cardiol**. 2009; 21:596-7.
58. **Roguin A**, Goldsher D. Magnetic resonance imaging and implantable cardiac electronic devices: it's not what we can do, it's what we should do. *Isr Med Assoc J*. 2010; 12:436-8.
59. **Roguin A**. Brain tumours among interventional cardiologists: a call for alarm? *Eur Heart J*. 2012; 33:1850-1.

Review papers

60. **Roguin A**, Manaster J, Roguin N. Thrombolytic therapy in acute myocardial infarction. mechanism of action and treatment considerations. **Harefuah** 1993; 124: 770-775.
61. **Roguin A**, Edoute Y. Malignant pericardial effusion. **Harefuah** 1995; 128: 642-646.
62. Edoute Y, **Roguin A**. Side effects of amiodarone. **Harefuah** 1995; 129: 57-62.
63. **Roguin A**, Reisner SA. Dobutamine stress echocardiography. **Harefuah** 1997; 132: 884-890.
64. **Roguin A**, Edoute Y. Mibefradil – a T-type calcium channel blocker. **Harefuah** 1999; 136: 167-169.
65. Levy AP, **Roguin A**. Basic principles of angiogenesis for the interventional cardiologist. **Int J Cardiovasc Interventions** 2000; 3: 13-19.2001, 140; 1084-1087.
66. **Roguin A**, Levy AP. Angiogenesis - an update. **Ped Endocrinol Rev** 2005;3:391-398.
67. **Roguin A**, Grenadier E. Pushing the limits: is there an optimal therapy for very small vessels? **J Invasive Cardiol.** 2005; 17:413-414.
68. Nair P, **Roguin A**. Magnetic Resonance Imaging in patients with ICDs and Pacemakers. **Indian Pacing Electrophysiol J.** 2005;5:197-209.
69. Nair P, **Roguin A**. Statins and the acute coronary syndrome: 'the early bird catches the worm. **Int J Clin Prac** 2006; 60: 716-727.
70. Nair P, **Roguin A**. Coronary Perforations. **EuroInterv** 2006; 2: 363-370.

History of Medicine Papers

71. **Roguin A**. Christian Johann Doppler: the man behind the effect. **Br J Radiol** 2002; 75:615-9.
72. **Roguin A**, Nikola Tesla - the man behind the magnetic field unit. **J Magn Res Imaging** 2004; 19: 369-374.
73. **Roguin A**. Scipione Riva-Rocci and the men behind the mercury sphygmomanometer. **Int J Clin Practice** 2006; 60: 73-79.
74. **Roguin A**. Wilhelm His Jr. (1863-1934) - The man behind the bundle. **Heart Rhythm.** 2006;3: 480-3.
75. **Roguin A**, Rene Theophile Hyacinthe Laënnec (1781-1826) - The man behind the stethoscope. **Clin Med Res** 2006; 4:230-235.
76. **Roguin A**, Myron Prinzmetal 1908-1987: the man behind the variant angina. **Int J Cardiol.** 2008; 123:129-30.
77. **Roguin A**, Henry Cuthbert Bazett (1885-1950) – the man behind the QT interval correction formula. **Pacing Clin Electrophysiol.** 2011; 34:384-8.
78. **Roguin A**. Stent – the man and word behind the coronary metal prosthesis. **Circulation: Cardiovascular Interventions.** 2011; 4:206-9.

Chapters in Books

1. **Roguin A**, Grenadier E, Gruberg L, Beyar R. The serpentine balloon expandable stent: review of mechanical properties and initial clinical experience. In: Jean Marco, Jean Fajadet. Ninth complex coronary angioplasty course book. Paris, France 1998, pp.: 801-806.
2. **Roguin A**, Beyar R. Impact of the stented segment length on clinical outcome - observations from the beStent registry. Chapter 3G, In: Ellis SG and Holmes DR Jr (eds.), Strategic Approaches in Coronary Intervention, Lippincott Williams and Wilkins, 2nd Edition, 1999, pp.: 71-77.
3. Lardo A, **Roguin A**, Dickfeld T, Berger R, Halperin H, "MRI Guided Electrophysiology" In: Cardiac Magnetic Resonance - Established and Emerging Applications Eds. Lardo, Fayad, Chronos, Fuster. Martin Dunitz Publishers 2004, London
4. **Roguin A**. René-Théophile-Hyacinthe Laënnec in **Encyclopedia Britannica**.
<http://www.britannica.com/EBchecked/topic/327655/Rene-Theophile-Hyacinthe-Laennec>
5. **Roguin A**, Vulnerability Caused by Arrhythmogenic Vulnerable Myocardium. SHAPE (Society for Heart Attack Prevention and Eradication) Textbook Eds: Naghavi M, Berman DS, Budoff MJ, Falk E. Fayad ZA, Hecht SA, Nasir K, Shah PK, Futura 2010.
6. **Roguin A**, Idelchick J. Co-Registration CTO and CT Angiography, In Chronic Total Occlusions: A Guide to Recanalization, Second edition, Eds: Shigeru Saito, Ron Waksman. Wiley-Blackwell 2012.
7. **Roguin A**. MRI and implantable devices. in UpToDate.com, 2012.

CONFERENCES:

Plenary or invited talks

International Meeting

1. Self-expanding nitinol coronary stents.
The stent summit. London, United Kingdom. May 30-31, 1996.
2. Angiogenesis and restenosis.
4th International Meeting on Interventional Cardiology. London, UK, June 24-27, 2001
3. Stents, design and vessel wall biology: two decades of progress.
3rd World Congress on Heart Disease, Washington DC. 12-15 June, 2003.
4. Interventional MRI in cardiac procedures.
5th International Meeting on Interventional Cardiology. Tel Aviv, Israel, Dec 7-9, 2003.
5. Bivalirudin and renal dysfunction.
6th International Meeting on Interventional Cardiology. Tel Aviv, Israel, Dec 8-9, 2004.
6. Safety in MR – pacers and defibrillators
8th Annual Scientific Sessions of the **Society for Cardiovascular Magnetic Resonance**, San Francisco, CA, USA, January 21-23, 2005.
7. Acute coronary syndromes
Johns Hopkins University, (St George ACLS course), March 2-6, 2005
8. Safety of MRI in patients with pacemakers.
American College of Cardiology - 56th annual scientific session, Atlanta, GA, USA March 12-15, 2006.
9. Hybrid Cardiac Imaging in the Cath lab
EuroPCR annual meeting. Barcelona May 22-25, 2007
10. MRI in patients with cardiac devices
European Society of Cardiology annual meeting, Vienna, Austria Sept 1-5, 2007
11. Hybrid CTA and angiography in the cath lab.
Innovations in Interventional Cardiology, Tel Aviv Dec 2-3, 2007.
12. MRI in patients with cardiac devices
European Society of Cardiology annual meeting, Munich, Germany. Aug 30-Sept 2, 2008
13. CT data during angiography.
TCT meeting. Washington DC October 10-15, 2008
14. Hybrid Cardiac CT and Coronary Angiography Image registration.
Innovations in Interventional Cardiology, Tel Aviv Dec 8-9, 2008.
15. Gastro-Intestinal Bleeding in the ACS patient.
EuroPCR09, Barcelona, Spain May 18-21, 2009.
16. Cardiac CT in the Cath Lab
Innovations in Cardiovascular Interventions (ICI 2009), Tel Aviv Dec 7-9, 2009.
17. Bleeding Management and Pharmacological Strategy in Primary PCI
Innovations in Cardiovascular Interventions (ICI 2009), Tel Aviv Dec 7-9, 2009.
18. Enhancing Performance in Endovascular Procedures Using New Simulation Technologies for Preoperative Planning.
Innovations in Cardiovascular Interventions (ICI 2009), Tel Aviv Dec 7-9, 2009.
19. CT data incorporation in the catheterization laboratory. **3rd workshop on CTO treatment** - Massy CTO European Meeting. Paris France. Feb 27-28, 2010.
20. MRI safe pacemakers: Clinical experience and new devices, **Cardiostim 17th World Congress in Cardiac Electrophysiology & Cardiac Techniques**. Nice, France June 16-19, 2010.

21. RES technology in clinical application.
European Society of Cardiology annual meeting, Stockholm, Sweden. Aug 27-Sept 1, 2010.
22. Are Live Case Transmissions Really Safe?
Innovations in Cardiovascular Interventions (ICI 2010), Tel Aviv Dec 6-7, 2010.
23. Nobori DES: Growing Body of Clinical Evidence
Innovations in Cardiovascular Interventions (ICI 2010), Tel Aviv Dec 6-7, 2010.
24. **Roguin A.** Cardiovascular Seminar Post arrest Cardiac Catheterization: Debate: Immediate Catheterization After ROSC Is Not Necessary. **84th American Heart Association Meeting**. Orlando, FL, USA. Nov 12-16, 2011.
25. What should be the next step in device design for MRI compatibility?
The World Society of Arrhythmias ICEPS meeting, Athens Greece, Dec 11-14, 2011.
26. Brain malignancies among interventional cardiologists.
EuroPCR, Paris, France. May 15-18, 2012
27. Radiation and risk of brain tumors
TOPIC – Tokyo Interventional Cardiology meeting, Tokyo Japan July 26-28, 2012.
28. New generation drug eluting stents – the Nobori
TOPIC – Tokyo Interventional Cardiology meeting, Tokyo Japan July 26-28, 2012.
29. TAVR in a patient with severely depressed Left Ventricular ejection fraction
Transcatheter Cardiovascular Therapeutics conference, Miami FL, USA, Oct 22-26, 2012
30. The ENERGY registry 1 year experience. **Innovations in Cardiovascular Interventions** (ICI 2012), Tel Aviv Dec 3-4, 2012.
31. When should we allow patients with non-MRI compatible implanted device to undergo MRI examination? The risk-benefit ratio. **XV International Symposium on Progress in Clinical Pacing**. Rome Dec 4-6, 2012.