

# CURRICULUM VITAE

Ariel Finkelstein, M.D.

## **Personal Data:**

Date of Birth: September 2<sup>nd</sup>, 1955  
Place of Birth: Tel Aviv, Israel  
Citizenship: Israeli  
I.D. number: 53545067  
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Languages: English, Hebrew  
Military Service: Captain, Paratroopers Division, IDF, 1973-1977

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## **Education:**

1978 - 1984 The Ben Gurion University, School of Medicine, Israel - M.D.  
1983 The Cedars Sinai Medical Center, Los Angeles, USA - elective studies in Cardiology  
1984 Ichilov Hospital, Tel Aviv, Israel, Department of Gastroenterology, clinical research: the composition of Bile in patients with liver disease - M.D. thesis  
1984 - 1985 Rotating Internship, Tel Aviv Medical Center, Tel Aviv, Israel  
1986 - 1991 Residency, Department of Internal Medicine T, Tel Aviv Medical Center, Tel Aviv, Israel

- 1992 - 1995            Cardiology Fellowship, Department of Cardiology, Tel Aviv Medical Center, Tel Aviv, Israel
- 1999 - 2001            Fellowship in Interventional Cardiology, Cedars Sinai Medical Center, UCLA, Los Angeles, California, USA

**Professional and Academic Appointments:**

- 1980                      Research Fellow in the Center for Medical Education, Ben Gurion University, School of Medicine
- 1983                      Instructor in clinical medicine, Ben Gurion University, School of Medicine
- 1986-1991              Resident in Internal Medicine, Department of Medicine T, Tel-Aviv Medical Center, Tel Aviv
- 1992-1995              Fellow in Cardiology, Department of Cardiology, Tel Aviv Medical Center, Tel Aviv
- 1993                      Adjunct Instructor in Medicine (Cardiology). The Tel-Aviv University, Tel Aviv, Israel
- 1996-1999              Fellow in Interventional Cardiology, Tel Aviv Medical Center, Tel Aviv
- 1997-1999              Director, Service for Preventive and Rehabilitation Cardiology, Tel Aviv Medical Center, Tel Aviv
- 1999-2001              Fellow, Interventional Cardiology, the Division of Cardiology, Cedars Sinai Medical Center, UCLA School of Medicine, Los Angeles, California, USA
- 2005                      Adjunct Lecturer in Medicine (Cardiology). The Tel-Aviv University, Tel Aviv, Israel
- 2005-2011              Director, Cardiac Catheterization Laboratory, Cardiology Department, Tel Aviv Medical, Tel Aviv, Israel
- 2006-2008              Chief Medical Officer, Stentomics Medical
- 2008-2010              Scientific Advisory Board, Neovasc Medical
- 2009-2010              Associate Hospital Director for Physician Affairs, Tel Aviv Medical Center
- 2011-present            Director, Cardiac Catheterization Unit, Department of Cardiology, Tel Aviv Medical Center
- 2010-present            Proctor and invited Speaker, Medtronic corporation, USA.
- 2011-present            Proctor, adviser and faculty member, Edwards Lifesciences USA.

**Certifications:**

- 1984                      Educational Commission for Foreign Medical Graduates (ECFMG) Certification, USA
- 1985                      License to practice medicine by the Ministry of Health, Israel
- 1991                      Internal Medicine board Certification (Stage 1), the Israel Medical Association

- 1995 Cardiology board certification, The Israel Medical Scientific Council, The Israel Medical Association
- 2001 The American Society of Interventional Cardiology Fellowship Course Completion

**Memberships in Professional Organizations:**

- 1985 The Israel Medical Association
- 1992 The Israel Heart Society- Fellow Membership
- 1995 The Israel Heart Society
- 2006 European Association of Percutaneous Cardiovascular Interventions (EAPCI)

**Honors:**

- 1983 Citation for Excellence by the Faculty of Medicine, The Ben Gurion University – Soroka Medical Center
- 1997 Citation by the Faculty of Medicine, The Tel Aviv University, School of Medicine for excellence in teaching
- 1997 Prize of the Tel Aviv Medical Center for Excellence in Fellowship grant
- 1998 The Tel Aviv Medical Center Young Investigator award, "The influence of US waves on the contractility of myocytes, in the isolated rat heart model"
- 1998 Citation for excellence by the IDF chief of staff for excellent officer
- 2005 Citation by the Faculty of Medicine, The Tel Aviv University, School of Medicine for excellence in teaching
- 2009 Citation by the Faculty of Medicine, The Tel Aviv University, School of Medicine for excellence in teaching
- 2010 Citation by the Faculty of Medicine, The Tel Aviv University, School of Medicine for excellence in teaching

**Teaching:**

1. The Ben Gurion Medical School, Soroka Medical Center: Course of clinical Practice for preclinical medical students
2. Tel Aviv University, Sackler School of Medicine: Internal medicine for 4<sup>th</sup> and 6<sup>th</sup> year medical students, Group Discussion and bedside teaching. Organization of the courses and tutoring. (1988-1990).
3. Tel Aviv University, Sackler School of Medicine: Cardiology Course for 6<sup>th</sup> year medical students, Tel Aviv Medical Center, (Frontal lectures, group discussions and bedside teaching). (2001-present).

4. Tel Aviv Medical Center School of Nursing, the advance course of intensive care:  
Nephrology and acid base balance, 1988-1995
5. Tel Aviv Medical Center School of Nursing, the advance course of intensive care:  
Atherosclerosis, and Acute Coronary Syndromes, 1995-1999
6. Tel Aviv Medical Center School of Nursing, the advance course of intensive care:  
Introduction to Interventional cardiology, 1995-1999, 2002-2010
7. The Tel Aviv University, Sackler Faculty of Medicine:

Post doctorate continue education program, lecturer (2003-2008)

**Invited Lectures (Last 5 years):**

April 2006	Update in Interventional cardiology, Family Physicians, Tel Aviv
Sep 2006	Guidelines in clinical cardiology, the israeli internal medicine association
Dec 2006	The treatment of atherosclerotic CAD, Family physicians, Tel Aviv
Dec 2006	Update in interventional cardiology, Family Physicians, Tel-Aviv
Feb 2007	In stent restenosis, the israel nephrology association
Jan 2008	the no reflow phenomenon, the Israeli association for interventional cardiology
April 2009	TAVI- State of the art: the Croatian association of cardiology
Oct 2009	TAVI- State of the art: the Greek association of interventional cardiology
April 2010	TAVI- Intermediate risk patients: the Korean Association of interventional cardiology
August 2010	TAVI- Intermediate risk patients: the Polish association of interventional cardiology
Sep 2010	TAVI- Where are we: staff meeting, Tel Aviv Medical Center
August 2011-	TAVI- Tips and tricks: the Asian association of interventional cardiology
March 2012	TAVI- Starting a program: Edwards Lifescience basic course for interventional cardiologists, Geneve Swiss.
April 2012	Debate: Intermediate risk patients for TAVI: Has the time come? Plenary session at the Israel Heart Association annual meeting.
April 2012	Vascular complications during TAVI: Tips and tricks. The Israel Heart association meeting
April 2012	TAVI in different subsets of patients: the annual meeting of the Polish society of cardiology
May 2012	Tips and tricks in TAVI procedures: the annual meeting of the Croatian society of cardiology.
Sep 2012	TAVI for patients with low gradient severe aortic stenosis: the Russian Society of Cardiology meeting, St. Petersburg, Russia.
Oct 2012	Vascular complications in TAVI procedure. The Croatian Society of interventional cardiology, Opatija, Croatia.

## LIST OF PUBLICATIONS

### B.1. ORIGINAL ARTICLES

1. A. Pines , E.Z Fisman, Y. Levo, M. Averbuch , A. Lidor , Y. Drory, **A.Finkelstein**, M.Hetman-Peri, M.Moshkovitz, E.Ben-Ari, D. Ayalon:  
The Effect of Hormone Replacement Therapy in Normal Post-Menopausal Women: Measurements of Doppler-Derived Parameters of Aortic Flow.  
American Journal of Obstetric and Gynecology. 164;806-812, 1991.
2. M.Giladi, D.Aderka, L.Zeligman, **A.Finkelstein**, D.Ayalon, Y.Levo :  
Is Idiopathic Atrial Fibrillation Caused by Occult Thyrotoxicosis? A Study of One Hundred Consecutive Patients with Atrial Fibrillation.  
International Journal of Cardiology. 30;309-313, 1991.
3. Schwartz D, Kornowski R, Lehrman H, Averbuch M, Pines A, Greenland M,  
**Finkelstein A**, Levo Y. Combined effect of captopril and aspirin in renal hemodynamics in elderly patients with congestive heart failure. Cardiology.  
1992;81(6):334-9. PubMed PMID: 1304414.
4. S.A.Berger, M.Kramer, H.Nagar, **A.Finkelstein**, A.Frimmerman, H.Miller:  
Effect of Surgical Mask Position on Bacterial Contamination of the Operative Field.  
Journal of Hospital Infection. 23;51-54, 1993.
4. R.Kornowski, D.Zeeli , M.Averbuch, **A.Finkelstein**, D.Schwartz, M.Moshkowitz , B.Weinreb , R.Hershkovitz , D.Eyal , M.Miller , Y.Levo , A.Pines :  
Intensive Home Care Surveillance Prevents Hospitalization and Improves Morbidity Rates Among Elderly Patients with Severe Congestive Heart Failure.  
American Heart Journal, 129; 762-766, 1995.
5. B.Koifman , Y.Wollman , N.Bogomolny , T.Chernichowsky , **A. Finkelstein**, G.Peer , J.Scherez , M.Blum , S.Laniado , A.Iaina , G.Keren :  
Improvement of Cardiac Performance by Intravenous Infusion of L-Arginine in Patients with Moderate Congestive Heart Failure.  
Journal of the American College of Cardiology. 26; 1251-1256, 1995.

6. R.Kornowski , A.Eldor , M.Werber , N. Ezov , E.Zwang , A.Nimrod , I.Chemine , **A. Finkelstein**, A.Panet , S.Laniado , G.Keren :  
Enhancement of Recombinant Tissue-Type Plasminogen Activator Thrombolysis with a Selective Factor Xa Inhibitor Derived from the Leech *Hirudo Medicinalis*: Comparison with Heparin and Hirudin in a Rabbit Thrombolysis Model. Coronary Artery Disease , 7; 903-909, 1997.
7. S.Greenberg, **A. Finkelstein**, J.Gurevitch, E.Brazowski, F.Rosenfeld , I. Shapira J.George,S.Laniado, G.Keren :  
The Effect of Agmatine on Ischemic and Nonischemic Isolated Rat Heart. Journal of Cardiovascular Pharmacology and Therapeutics. 4; 151-158, 1999
8. S.Greenberg , **A.Finkelstein** , I.Shapira , R.Kornowski , S.Laniado, G.Keren.  
Direct Ultrasound Application Had No Effect on Cardiac Hemodynamic Performance in a Baseline Isolated Rat Heart Model. Ultrasound in Medicine & Biology 26; 315-319, 2000.
9. V.Rukshin. B.Azarbal, P.K.Shah, V.T.Tsang, M.Shechter, **A.Finkelstein**, B.Cercek, S.Kaul: Intravenous Magnesium in Experimental Stent Thrombosis in Swine Arteriosclerosis Thrombosis and Vascular Biology 21: 1544-1549, 2001.
10. V. Rukshin, P.K.Shah, B.Cercek, **A.Finkelstein**, V.T.Tsang, S.Kaul: Comperative Antithrombotic Effect of Magnesium Sulfate and Platelet Glycoprotein IIB/IIIA Inhibitors Tirofiban and Eptifibatide in a Canine Model of Stent Thrombosis. Circulation.105:1970-1975, 2002.
11. **A.Finkelstein**, R.Makkar, T.Doherty, R.Vijaya, R.Vegesna , P.Tripathy, M. Liu, J.Bergman, M.Fishbein, J.Hausleiter, K.Takizawa, V.Rukshin, P.K. Shah, T.Rajavashisth: Increased Expression of Macrophage Colony-Stimulating Factor After Coronary Artery Balloon Injury is Inhibited by Intracoronary Brachytherapy. Circulation.;105:2411-2415, 2002.
12. **A.Finkelstein**, D.McClean, S.Kar, K.Takizawa, K.Varghese,N.Baek, K.Park, M.C.Fishbein, R.Makkar F.Litvack, N.L.Eigler: Local Drug Delivery Via a Coronary Stent With Programmable Release Pharmacokinetics. Circulation.107:777-784, 2003.
13. V.Rukshin, B.Azarbal, **A.Finkelstein**, P.K. Shah, B.Cercek, V.Tsang, S.Kaul: Effects of GP IIb/IIIa Receptor Inhibitor Tirofiban (Aggrastat) in Ex Vivo Canine Arteriovenous Shunt Model of Stent Thrombosis. Journal of Cardiovascular Pharmacology ;41:4:615-624 2003.
14. **A.Finkelstein**, J. Housleiter, T.M.Doherty, K.Takizawa, J. Bergman, L. Ming, V.Rukshin, M.Fishbein, N.Eigler, P.K.Shah, T.Rajavashisth. R.Makkar: Intracoronary b-Irradiation

Enhances Balloon-Injury-Induced Tissue Factor Expression in the Porcine Injury Model. International Journal of Cardiovascular Intervention 6, 20-27 2003.

15. S.Viskin, M.Ish-Shalom, E.Koifman, U.Rozovski, D.Zeltser, A.Glick, **A. Finkelstein**, A.Halkin, R.Fish, B.Belhassen: Ventricular Flutter Induced During Electrophysiologic Studies in Patients with Old Myocardial Infarction: Clinical and Electrophysiologic Predictors, and Prognostic Significance. Journal of Cardiovascular Electrophysiology. 14;14, 1-7,2003.
16. J.George, I.Hertz, E.Goldstein, S.Abashidze, V.Deutsch, **A.Finkelstein**, Y. Michovitz, H.I.Miller, G.Keren.: Number and Adhesive Properties of Circulating Endothelial Progenitor Cells in Patients with In-Stent Restenosis. Arteriosclerosis Thrombosis and Vascular Biology. 23:23:1-5;2003.
17. J. George, E.Goldstein, S.Abashidze, V.Deutsch, H.Shmilovich, **A.Finkelstein**, I.Herz, H.I.Miller, G.Keren.: Circulating Endothelial Progenitor Cells in Patients with Unstable Angina: Association with Systemic Inflammation. European Heart Journal. 3; 1-6,2003.
18. **A.Finkelstein**, S.Izraelov, R.Roth, S.Ben-Shmuel, G.Keren, H.I.Miller, J.George: Eptifibatide Does not Influence Lymphocyte Activation and CRP Levels in Patients Undergoing Coronary Angioplasty. International Journal of Cardiovascular Intervention. 6;107-109, 2004.
19. Y.Michovitz, A.Blatt, A.Frimmerman, **A.Finkelstein**, R.Massachi, I.Herz, R.Krakover, H.I.Miller, G.Keren, J.George: Stent Thrombosis in Patients Treated with Thienopyridines: Clinical Description of 10 Cases. International Journal of Cardiovascular Intervention. 6; 160-165, 2004.
20. **A.Finkelstein**, Y.Michovitch, A.Abashidze, H.I.Miller, G.Keren, J.George: Temporal Association Between Circulating Proteolytic, Inflammatory and Neurohormonal Markers in Patients with Coronary Ecstasia. Atherosclerosis 179; 353-359, 2004.
21. G.Aviram, **A.Finkelstein**, I.Herz, J.Lessick, H.I.Miller, M.Greif, G.Keren. Clinical Value of 16-Slice Multi-Detector CT Compared to Invasive Coronary Angiography. International Journal of Cardiovascular Intervention. 7; 21-28, 2005.
23. O'Donoghue M, Antman EM, Braunwald E, Murphy SA, Steg PG, **Finkelstein A**, Penny WF, Fridrich V, McCabe CH, Sabatine MS, Wiviott: SD.The efficacy and safety of prasugrel with and without a glycoprotein IIb/IIIa inhibitor in patients with acute coronary syndromes undergoing percutaneous intervention: a TRITON-TIMI 38 (Trial to

- Assess Improvement in Therapeutic Outcomes by Optimizing Platelet Inhibition With Prasugrel Thrombolysis In Myocardial Infarction 38) analysis.  
J Am Coll Cardiol. 2009 Aug 18;54(8):678-85.
24. Geft D, Schwartzberg S, Rogowsky O, **Finkelstein A**, Ablin J, Maysel- Auslender S, Wexler D, Keren G, George J: Circulating apoptotic progenitor cells in patients with congestive heart failure.  
PLoS One. 2008 Sep 18;3(9)
  25. Ablin JN, Beilinson N, Aloush V, Elkayam O, **Finkelstein A**. Association between fibromyalgia and coronary heart disease and coronary catheterization. Clin Cardiol. 2009 Jun;32(6):E7-11
  26. **Finkelstein A**, Bazan S, Halkin A, Herz I, George J, Miller HI, Keren G, Banai S. Am J Cardiol. Treatment of post-catheterization femoral artery pseudo-aneurysm with para-aneurysmal saline injection.  
2008 May 15;101(10):1418-22
  27. Aviram G, Shmilovich H, **Finkelstein A**, Rosen G, Banai S, Graif M, Keren G: Coronary ostium-straight tube or funnel-shaped? A computerized tomographic coronary angiography study.  
Acute Card Care. 2006;8(4):224-8
  28. Ben-Gal Y, Mohr R, Braunstein R, **Finkelstein A**, Hansson N, Hendler A, Moshkovitz Y, Uretzky G: Revascularization of left anterior descending artery with drug-eluting stents: comparison with minimally invasive direct coronary artery bypass surgery.  
Ann Thorac Surg. 2006 Dec;82(6):2067-71.
  29. Justo D, Mashav N, Arbel Y, Kinori M, Steinvil A, Swartzon M, Molat B, Halkin A, **Finkelstein A**, Heruti R, Banai S. Increased erythrocyte aggregation in men with coronary artery disease and erectile dysfunction.  
Int J Impot Res. 2009 May-Jun;21(3):192-7. Epub 2009 Feb
  30. Arbel Y, Rind E, Banai S, Halkin A, Berliner S, Herz I, Mashav N, Thurm T, Keren G, **Finkelstein A**. Prevalence and predictors of slow flow in angiographically normal coronary arteries. Clin Hemorheol Microcirc. 2012 Mar 2 . Epub ahead of print] PubMed PMID: 22387483.
  31. Arbel Y, Banai S, Benhorin J, **Finkelstein A**, Herz I, Halkin A, Keren G, Yedgar S, Barashtein G, Berliner S. Erythrocyte aggregation as a cause of slow flow in patients of acute coronary syndromes. Int J Cardiol. 2012 Feb 9;154(3):322-7. Epub 2011 Jul 23. PubMed PMID: 21783264.



32. Steinvil A, Banai S, Leshem-Rubinow E, Rogowski O, Halkin A, Keren G, **Finkelstein A**, Chundadze T, Berliner S, Arbel Y. The development of anemia of inflammation during acute myocardial infarction. *Int J Cardiol.* 2012 Apr Epub 2010 Nov 16. PubMed PMID: 21084124.
33. Steinvil A, Berliner S, Shapira I, Rogowski O, Justo D, George J, Halkin A, Keren G, **Finkelstein A**, Banai S, Arbel Y. Time to rheology in acute myocardial infarction: inflammation and erythrocyte aggregation as a consequence and not necessarily as precursors of the disease. *Clin Res Cardiol.* 2010 Oct;99(10):651-6. Epub 2010 May 15. PubMed PMID: 20473614.
34. Justo D, Mashav N, Arbel Y, Kinori M, Steinvil A, Swartzon M, Molat B, Halkin **A, Finkelstein A**, Heruti R, Banai S. Increased erythrocyte aggregation in men with coronary artery disease and erectile dysfunction. *Int J Impot Res.* 2009 May-Jun;21(3):192-7. Epub 2009 Feb 26. PubMed PMID: 19242480.
35. **Surgical Myocardial Revascularization versus Drug-Eluting Stents in Octogenarians** Ynanai Ben-Gal 1, **Ariel Finkelshtein 2\***, Benjamin Medalion 3, Giora Weisz 1, Philippe Genereux 1, Shelly Moshe 2, Demitry Pevni 2, Gideon Uretzky 2. *Heart Surgery Forum*, Manuscript #2011-1190 (accepted for publication).
36. **Relationship Between the Intensity of Heparin Anticoagulation and Clinical Outcomes in Patients Receiving Glycoprotein IIb/IIIa Inhibitors During Primary Percutaneous Coronary Intervention in Acute Myocardial Infarction.** Yoseph Rozenman, Roxana Mehran, Bernard Witzenbichler, George Dangas, Giulio Guagliumi, Martin Desaga, Janusz Kochman, Dennis Nilsen, **Ariel Finkelstein**, Morris Mosseri, Helen Parise, Martin Fahy, Alexandra J. Lansky , and Gregg W. Stone
37. **Ticagrelor versus Clopidogrel in Patients with ST-elevation Acute Coronary Syndromes Intended for Reperfusion with Primary PCI ; a PLATelet Inhibition and Patient Outcomes (PLATO) trial subgroup analysis** Philippe Gabriel Steg, MD<sup>a,b,c</sup>, Stefan James, MD, PhD<sup>d</sup>, Robert A Harrington, MD<sup>e</sup>, Diego Ardissino, MD<sup>f</sup>, Richard C. Becker, MD<sup>e</sup>, Christopher P. Cannon, MD<sup>g</sup>, Håkan Emanuelsson, MD, PhD<sup>h</sup>, **Ariel Finkelstein**, MD<sup>i</sup>, Steen Husted, MD, DSc<sup>j</sup>, Hugo Katus, MD<sup>k</sup>, Jan Kilhamn, MD, PhD<sup>h</sup>, Sylvia Olofsson, BSc<sup>d</sup>, Robert F. Storey, MD, DM<sup>l</sup>, W Douglas Weaver, MD<sup>m</sup>, Lars Wallentin, MD, PhD<sup>d</sup> for the PLATO study group.
38. Jaffe R, **Finkelstein A\***, Lewis BS, Guetta V, Khader N, Rubinshtein R, Halon DA, Segev A. Stenting of the unprotected left main coronary artery in patients with severe aortic stenosis prior to percutaneous valve interventions. *Cardiovasc Revasc Med.* 2012 Mar;13(2):90-4. Epub 2012 Jan 30. PubMed PMID: 22296780.

39. Danenberg H, **Finkelstein A**, Kornowski R, Segev A, Dvir D, Gilon D, Keren G, Sagie A, Feinberg M, Schwammenthal E, Banai S, Lotan C, Guetta V. Percutaneous implantation of the self-expandable CoreValve for high risk patients with severe aortic valve stenosis: early Israeli experience. *Isr Med Assoc J*. 2010 Aug;12(8):468-71. PubMed PMID: 21337814.
40. **Finkelstein A**, Schwartzberg S, Bar L, Levy Y, Halkin A, Herz I, Bazan S, Massachi R, Banal S, Keren G, George J. Comparative efficacy analysis of an aspiration device before primary angioplasty in patients with acute myocardial infarction: a single-center experience. *Isr Med Assoc J*. 2010 Nov;12(11):692-6. PubMed PMID: 21243871.
41. CURRENT-OASIS 7 Investigators, Mehta SR, Bassand JP, Chrolavicius S, Diaz R, Eikelboom JW, Fox KA, Granger CB, Jolly S, Joyner CD, Rupprecht HJ, Widimsky P, Afzal R, Pogue J, Yusuf S. Dose comparisons of clopidogrel and aspirin in acute coronary syndromes. *N Engl J Med*. 2010 Sep 2;363(10):930-42. Erratum in: *N Engl J Med*. 2010 Oct 14;363(16):1585. PubMed PMID: 20818903.
42. Wallentin L, Becker RC, Budaj A, Cannon CP, Emanuelsson H, Held C, Horrow J, Husted S, James S, Katus H, Mahaffey KW, Scirica BM, Skene A, Steg PG, Storey RF, Harrington RA; PLATO Investigators, Freij A, Thorsén M. Ticagrelor versus clopidogrel in patients with acute coronary syndromes. *N Engl J Med*. 2009 Sep 10;361(11):1045-57. Epub 2009 Aug 30. PubMed PMID: 19717846.
43. Mehran R, Lansky AJ, Witzenbichler B, Guagliumi G, Peruga JZ, Brodie BR, Dudek D, Kornowski R, Hartmann F, Gersh BJ, Pocock SJ, Wong SC, Nikolsky E, Gambone L, Vandertie L, Parise H, Dangas GD, Stone GW; HORIZONS-AMI Trial Investigators. Bivalirudin in patients undergoing primary angioplasty for acute myocardial infarction (HORIZONS-AMI): 1-year results of a randomised controlled trial. *Lancet*. 2009 Oct 3;374(9696):1149-59. Epub 2009 Aug 28. PubMed PMID: 19717185.
44. Stone GW, Lansky AJ, Pocock SJ, Gersh BJ, Dangas G, Wong SC, Witzenbichler B, Guagliumi G, Peruga JZ, Brodie BR, Dudek D, Möckel M, Ochala A, Kellock A, Parise H, Mehran R; HORIZONS-AMI Trial Investigators. Paclitaxel-eluting stents versus bare-metal stents in acute myocardial infarction. *N Engl J Med*. 2009 May 7;360(19):1946-59. PubMed PMID: 19420364.
45. **Impact of Estimated Glomerular Filtration Rate on atherosclerotic Vascular Disease Extent and Adverse Cardiovascular Events in Patients without Chronic Kidney Disease.** Yaron Arbel, Amir

Halkin, **Ariel Finkelstein**, Miri Revivo, Merav Cohen, Liron Peer, Shlomo Berliner, Itzhak Herz, Gad Keren, Shmuel Banai. Canadian Journal of Cardiology

**46. Neutrophil / Lymphocyte ratio is related to the severity of coronary artery disease and clinical outcome in patients undergoing angiography.** Yaron Arbel, **Ariel Finkelstein**, Amir Halkin, Miri Revivo, Meital Zuzut, Ayala Shevach, Shlomo Berliner, Itzhak Herz, Gad Keren, Shmuel Banai (Atherosclerosis)

47.

## B.2 CASE REPORTS

1. H.Gur, D.Aderka, **A.Finkelstein**, Y.Levo: Fulminant Wilsonian Hepatitis- Difficulties in Diagnosis and Treatment. American Journal of Gastroenterology 83:679-681, 1988
2. A.Pines, M.Giladi, M.Moshkovitz, **A.Finkelstein**, Y.Levo: Penthamidine Spray in the Treatment of Pneumocystis Carinii Pneumonia of the AIDS Patients. Harefua, 15; 311-313, 1989.
3. Y.Lerman, **A.Finkelstein**, Y.Levo, M.Tupilsky, M.Baratz, A.Solomon, Sackstein G: Asbestos Related Health Hazards Among Power Plant Workers. British Journal of Industrial Medicine 47:281-287, 1990.
4. M.Moshkovitz, A.Pines, **A.Finkelstein**, R.Hershkovitz, Y.Levo: Skin Blisters as a Manifestation of Oxazepam Toxicity.
5. **Finkelstein A**, Keren G, Banai S. Treatment of severe valvular aortic stenosis and subvalvular discrete subaortic stenosis and septal hypertrophy with Percutaneous CoreValve Aortic Valve Implantation. Catheter Cardiovasc Interv. 2010 Apr 1;75(5):801-3
6. Abramowitz Y, Aviram G, **Finkelstein A**, Banai S. Anomalous origin of the left anterior descending and circumflex coronary arteries from two separate ostia in the right aortic sinus of Valsalva. EuroIntervention. 2011 Apr;6(9):1140-1. doi: 10.4244/EIJV6I9A198. PubMed PMID: 21518690.

7. Ben Gal Y, Pevni D, Paz Y, Locker C, Lev-Ran O, Neshet N, **Finkelstein A**, dissection. Heart Surg Forum. 2004 Apr 1;7(2):E183-5. PubMed PMID: 15138102.

#### **Papers in preparation**

1. Psychological and anxiety effect of Physician to patient explanation during PTCA  
Erga Drori, Shoshana Shilo Phd, Shmuel Banai MD, Gad Keren MD, **Ariel Finkelstein MD**.  
(submitted)
2. Estimation of pulmonary capillary wedge pressure in patients with severe aortic stenosis  
Simon Biner MD, Edo Birati MD, Igal Abramoviche MD, Samuel Basan MD, Shmuel Banai MD, Gad Keren MD, **Ariel Finkelstein MD**. (Submitted).
3. Clinical and echocardiographic outcome of patients with low gradient severe symptomatic aortic stenosis after percutaneous aortic valve implantation. Simon Biner MD, Edo Birati MD, Igal Abramoviche MD, Samuel Basan MD, Shmuel Banai MD, Gad Keren MD, **Ariel Finkelstein MD**. (Submitted).
4. Influence of TAVI on Mitral and Tricuspid regurgitation. An echocardiographic analysis of 200 patients.  
Simon Biner MD, Edo Birati MD, Igal Abramoviche MD, Samuel Basan MD, Shmuel Banai MD, Gad Keren MD, **Ariel Finkelstein MD**. (Submitted).
5. Percutaneous aortic valve implantation: A single center first 300 patients experience.  
**Ariel Finkelstein MD**, Samuel Basan MD, Nechama Sheinberg MD, Igal Abramovich MD, Edo Birati MD, Yanai Ben Gal MD, Amir Halkin MD, Gad Keren MD, Shmuel Banai MD.  
(Submitted).

6. TAVI with or without pre procedural PCI . A single center experience. Arie Shteinvil, Samuel Basan MD, Nechama Sheinberg MD, Igal Abramovich MD, Edo Birati MD, Yanai Ben Gal MD, Amir Halkin MD, Yaron Arbel MD, Gad Keren MD, Shmuel Banai MD and **Ariel Finkelstein MD (submitted)**
7. A comparative analysis of TAVI using Edwards Sapience Valve or Corevalve. A retrospective analysis using serial echo and clinical follow up. Arie Steinvil, Samuel Basan MD, Nechama Sheinberg MD, Igal Abramovich MD, Yanai Ben Gal MD, Amir Halkin MD, Gad Keren MD, Shmuel Banai MD, **Ariel Finkelstein MD**
8. TAVI, contrast media and irradiation time in a single center experience. First 250 patients. **Ariel Finkelstein MD**, Samuel Basan MD, Nechama Sheinberg MD, Igal Abramovich MD, Edo Birati MD, Yanai Ben Gal MD, Amir Halkin MD, Yaron Arbel MD, Gad Keren MD, Shmuel Banai MD. **(submitted)**.
9. **Increased Red Blood Cell Distribution Width is Related to Increased Prevalence of Cardiovascular Disease and Adverse Outcome in Patients Undergoing Angiography.** Yaron Arbel \*, Edo Y. Birati\*, **Ariel Finkelstein**, Amir Halkin, Shlomo Berliner, Ben-Zion Katz, Itzhak Herz, Adi Gurfinkel, Gad Keren, and Shmuel Banai **(Submitted)**.
10. Vascular complications after Trans Aortic Aortic Valve Implantation: Predictors and outcome. Arie Steinvil, Samuel Basan MD, Nechama Sheinberg MD, Igal Abramovich MD, Yanai Ben Gal MD, Amir Halkin MD, Gad Keren MD, Shmuel Banai MD, **Ariel Finkelstein MD (submitted)**.
11. **Hyperglycemia in the Cath Lab is related to background dysglycemia; Potential Implications for the interventional Cardiologist.** Yaron Arbel, Hezzy Shmueli, Amir Halkin, Shlomo Berliner, Itzhak Herz, Ronli Hershkovitz, Ayala Shevach, Gad Keren, **Ariel Finkelstein**, and Shmuel Banai
12. **Platelet Inhibitory Effect of Clopidogrel in Patients Treated with Omeprazole, Pantoprazole, and Famotidine. A Prospective Randomized Crossover Study.** Yaron Arbel, Edo Y. Birati, **Ariel Finkelstein**, , Amir Halkin, Hanna Kletzel, Yigal Abramowitz, Shlomo Berliner, Varda Deutsch, Itzhak Herz, Gad Keren, Shmuel Banai.
13. Aspirin attenuates the formation of atherosclerotic plaque sessions in ApoE knock-out mice. Dina Kazanov, Inna Naumov, Ilan Aroch, Nadir Arber, Arnon Afek, Jacob George, and **Ariel Finkelstein**. **(submitted)**

14. Myocardial pre-conditioning- the role of inflammatory regulation in myocardial protection. Ilana Gofman, Yaron Arbel, Shmuel Banai, Gad Keren, and **Ariel Finkelstein**.
15. **Finkelstein A**, Kornowski R, Guetta V , Segev A, Dvir D, Gilon D, Keren G, Sagie A, Feinberg M, Schwammenthal E, Banai S, Lotan C, Danenberg H. Percutaneous implantation of the self-expandable CoreValve and Balloon expandable Edwards prosthetic aortic valve for high risk patients with severe aortic valve stenosis: early Israeli experience
16. Fever following TAVR - prevalence attributed to infectious cause. Eran Leshem, Arie Steinvil, Igal Abramovich MD, Yanai Ben Gal MD, Amir Halkin MD, Gad Keren MD, Shmuel Banai MD, and **Ariel Finkelstein MD**
17. Assessment of diastolic parameters after TAVI for patients with severe aortic stenosis. Simon Biner MD, Maayan Kenigshtein MD, Igal Abramoviche MD, Samuel Basan MD, Shmuel Banai MD, Gad Keren MD, **Ariel Finkelstein MD**.
18. The influence of pacemaker implantation after TAVI in patients with symptomatic severe aortic stenosis. Simon Biner MD, Yoav Michovitch MD, Igal Abramoviche MD, Samuel Basan MD, Shmuel Banai MD, Gad Keren MD, **Ariel Finkelstein MD**. (submitted).
19. The correlation between coronary microcirculatory blood flow and the degree of atherosclerosis in the carotid arteries in patients with angina pectoris and normal coronary arteries.
20. **Predictors of High-Risk Angiographic Findings in Patients with Non ST-Elevation Acute Coronary Syndrome** Roy Beigel<sup>1</sup>, Shlomi Matetzky<sup>1,2</sup>, Paul Fefer<sup>1</sup>, Haim Danenberg<sup>3</sup>, Shmuel Gottlieb<sup>4</sup>, Doron Zahger<sup>5</sup>, Shaul Atar<sup>6</sup>, Ariel Finkelstein<sup>7</sup>, Ariel Roguin<sup>8</sup>, Ilan Goldenberg<sup>1,2</sup>, Ran Kornowski<sup>9</sup>, Amit Segev<sup>1,2</sup> for the ACSIS and ACSIS-PCI 2010 investigators
21. Geographic Miss with Aorto-Ostial Coronary Stent Implantation: Insights from Coronary Computed Tomography Angiography. Ronen Rubinshtein, Bazil Louis...**Ariel Finkelstein**

## **OTHERS**

1. The no-reflow phenomenon following percutaneous coronary intervention]  
Schwartzberg S, Halkin A, **Finkelstein A**, Keren G, Banai S.  
Harefuah. 2009 Jun;148(6):381-5, 411. Review. Hebrew
2. Pumping coagulated blood from the coronary vessels during initial care of a patient with sharp pain in heart muscles]  
**Finkelstein A**, Keren G, Banai S.  
Harefuah. 2008 Oct;147(10):818-9

## **E.3. PAPERS PRESENTED AT SCIENTIFIC MEETINGS**

1. Kornowsky R, Zeeli D, , **Finkelstein A**, Averbuch M, Shwartz D, Weinrab B, Hershkovitz R, Eyal D, Miller M, Levo Y, Pines A: Intensive home-care surveillance reduces the need for hospitalization in elderly patients with severe congestive heart failure. Presented at the American College of Cardiology Scientific Meeting, Atlanta, 1994. JACC Feb 1994: 1A-484A.
2. **Finkelstein A**, Gilad G, Edelman G, Gilad V, Reissman E, Laniado S, Miller H, Keren G: Plasma polyamines in coronary syndromes- A new marker of ischemia injury? Presented

at the American Heart Association Scientific Meeting 1997. Circulation Supp vol 96, 21 october 1997 pp 271-1

3. Greenberg S, Reisman E, **Finkelstein A**, Laniado S, Keren G:  
Agmatine increases coronary flow and improves hemodynamic recovery after ischemia in isolated perfused rat heart.  
Presented at the Israel Heart Society meeting, April 1998
4. Frimerman A, **Finkeistein A**, Laniado S, Miller HI, Keren G:  
Intravascular ultrasound imaging of myocardial infraction related arteries reveals significant plaque burden and mechanism of compensatory enlargement.  
Presented at the Israel Heart Society meeting, April 1998
5. **Finkelstein A**, Agmon Y, Miller H, Roth A, Keren G, Rassin T, Laniado, Rosenschein U:  
Analysis of coronary ultrasound thrombolysis endpoints in acute myocardial infarction (acute trial): 6 month follow up of the feasibility phase patients". Presented at the Congress of the International Society and Federation of Cardiology, Rio de Janeiro, Brazil., May 1998
6. **Finkelstein A**, Koifman B, Shapira I, Laniado S, Greenberg S, Keren G:  
Agmatine improve myocardial recovery after ischemia reperfusion injury in the isolated rat heart.  
Presented at the Israel Heart Society meeting, April 1999
7. Greenberg S, **Finkelstein A**, Wollman Y, Shapira I, Laniado S, Keren G:  
Dose response effect of agmatine on NO production and coronary flow in an isolated rat heart model.  
Presented at the Israel Heart Society meeting, April 1999
8. Frimerman A, Rosenschein U, **Finkelstein A**, Bazan S, Keren G, Miller H:  
Follow-up angiography for clinical indications of patients after stenting reveals a patent stent site in most cases.  
Presented at the Israel Heart Society meeting, April 1999
9. Frimerman A, Rosenschein U, **Finekesltein A**, Bazan S, Keren G, Miller HI:  
Follow up angiogram for clinical indications of patients after stenting reveals a patent stent site in most cases.  
Int J CVS interventions. 2, (suppl 2), p 35, 1999.



10. **Finkelstein A**, Hausleiter J, Takizawa K, Bergman J, Rukshin V, Fishbein M, Eigler N, Shah P.K Rajavashisth T, Makkar R: Intracoronary Brachytherapy increases and prolonges vascular tissue factor expression in the porcine injury model: A possible explanation for delayed thrombosis? Presented at the Transcatheter Cardiovascular Therapeutics, Washington 2000. American Journal of Cardiology October 16, 2000 122i.
11. **Finkelstein A**, Chyu CK, Yano J, Kaul S, Sharifi B, Fu M, krisby M, Nilsson J, Makkar R, Cercek B, Shah P.K: Statin use is associated with enhanced tissue factor pathway inhibitor expression and reduced tissue factor activity in human carotid plaques. Presented at the American Heart Association Scientific Meeting, Aneheim Ca, 2001. Circulation supp. Oct 2001.
12. **Finkelstein A**, Kar S, McClean D, Takizawa K, Park K, Varghese K, Makka R, Litvack F, Eigler N: The Conor Programmable Drug Delivery Stent-Initial Experience. Presented at the Trans Catheter Cardiovascular Therapeutics Scientific Meeting, Washington DC 2001. AJC Supp. Sep 2001.
13. Takizawa K, Housleiter J, **Finkelstein A**, Kar S, Eigler N, Makkar R: Cilostazol Inhibits stent thrombosis but not restenosis after oversized stenting in a porcine model. Presented at the Trans Catheter Cardiovascular Therapeutics 2000, Washington DC. AJC Supp. October 2000 120i.