

**CURRICULUM VITAE - RAFAEL KUPERSTEIN, M.D.
September 2010**

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Date of Birth: 27/02/1960

Place of Birth: Curitiba, Parana, Brazil

Date of Arrival in Israel: 21/01/1990

Zahal: Medical Officer (Reserves) # 4722105

Marital Status: Married +3.

A. EDUCATION:

| Year | University | Degree |
|-------------|---|---------------|
| 1978-83 | Universidade Federal do Parana, Brazil | M.D. |

Title of Doctoral Dissertation

Not relevant in Brazil

Names of Supervisors

Not relevant in Brazil

B. FURTHER STUDIES

| Year | Name of University | Subject | Degree |
|-------------|---|--------------------------------|--|
| 1984-86 | Hospital de Clinicas, Universidade Federal do Parana, Brazil | Residency in Internal Medicine | Brazil Board Certified Specialist in Internal Medicine |
| 1990-96 | Heart Institute, Sheba Medical Center, Sackler Faculty of Medicine, Tel Aviv University | Residency in Cardiology | Israel Board Certified Specialist in Cardiology |
| 1997-2000 | Toronto General Hospital & Mount Sinai Hospital, University Health Network, University of Toronto, Canada | Fellowship in Echocardiography | Specialist in Adult Echocardiography |

C. CLINICAL EXPERIENCE:

| Year | Appointment |
|----------------------|--|
| 1984 - 1986 | Resident in Internal Medicine, Hospital de Clinicas da Universidade Federal do Parana, Brazil |
| 1987 - 1989 | Internist - Military Police Hospital, Parana, Brazil |
| 1989 - 1990 | Fellow in Cardiology, John Radcliffe, Hospital, Oxford, United Kingdom |
| 1990 - 1996 | Resident in Cardiology, Heart Institute, Sheba Medical Center, Tel Hashomer, Israel |
| 1996 - 1997 | Staff Cardiologist, Heart Institute, Sheba Medical Center, Tel Hashomer, Israel |
| Nov 1997 – June 2000 | Clinical Research Fellow in Echocardiography, Mount Sinai Hospital, University Health Network Toronto, University of Toronto, Canada |
| Sept 2000- Present | Staff Cardiologist, Heart Institute, Echocardiology Unit, Sheba Medical Center, Tel Hashomer, Israel |

D. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS

| Year | Name of Meeting | City, Country |
|-------------|--|----------------------|
| 1996 | 43 rd Annual Conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery Poster | Tel Aviv, Israel |
| 1997 | 44 th Annual Conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery Poster | Tel Aviv, Israel |
| 1998 | 47 th Annual Scientific Sessions of the American College of Cardiology Poster | Atlanta, GA, USA |
| 1999 | Congress of the Canadian Cardiovascular Society Poster | Quebec, Canada |
| 1999 | 48 th Annual Scientific Sessions of the American College of Cardiology Poster | New Orleans, LO, USA |
| 2000 | 49 th Annual Scientific Sessions of the American College of Cardiology Poster | Anaheim, CA, USA |
| 2001 | 48 th Annual Conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery Poster and frontal presentation | Tel Aviv, Israel |
| 2002 | 49 th Annual Conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery Poster | Tel Aviv, Israel |
| 2003 | 50 th Annual Conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery Poster and frontal presentation | Tel Aviv, Israel |
| 2004 | 51 st Annual Conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery | Tel Aviv, Israel |

| | Poster | |
|----------------|--|-------------------|
| 2005 | 52 nd Annual Conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery Poster and frontal presentation | Tel Aviv, Israel |
| 2006 | 53 rd Annual Conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery Poster and frontal presentation | Tel Aviv, Israel |
| 2007 | 54 th Annual Conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery Poster and frontal presentation | Tel Aviv, Israel |
| 2008 | 57 th Annual Scientific Sessions of the American College of Cardiology Poster | Chicago, Il. YSA |
| 2009 | 56 th Annual Conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery Poster and frontal presentation | Tel Aviv, Israel |
| 2009 | The Thirteenth Annual Meeting of the European Association of Echocardiography Poster | Madrid, Spain |
| 2010 | 57 th Annual Conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery Poster and frontal presentation | Tel Aviv, Israel |
| 2010 | Congress of The European Society of Cardiology Poster | Stockholm, Sweden |
| 2011 Israel | 57 th Annual Conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery | Tel Aviv, |

Poster and frontal presentation

E. ACADEMIC AND PROFESSIONAL AWARDS:

2000 Board Certified in Echocardiography, American Society of Echocardiography

F. MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS:

1996 Fellow, Israel Heart Society Israel

1996 Member, European Heart Society Europe

2009-2012 Board Member, Israeli working group in Echocardiography Israel

G. DOCTORAL STUDENTS SUPERVISED BY CANDIDATE

None

SCIENTIFIC PUBLICATIONS

A. BOOKS AND MONOGRAPHS

None

B.1. ORIGINAL ARTICLES:

B. 1. Articles Published

1. **Kuperstein R**, Nachtom E, Akselrod S, Vered Z. The assessment of left ventricular volumes and ejection fraction with magnetic resonance imaging and echocardiography with automatic border detection: A comparative study. *J Cardiovasc Diag and Procedures* 1998;5(4):269-75.
2. Nachtom E, **Kuperstein R**, Vaturi M, Bosak E, Vered Z, Akselrod S. Automatic assessment of cardiac function from short axis MRI: procedure and clinical evaluation. *Magn Reson Imaging* 1998;16(4):365-76.
3. **Kuperstein R**, Sasson Z. Glucose and insulin metabolism are important determinants of left ventricular mass in obese hypertensives. *Can J Cardiol* 2000;16(9):1103-8.
4. **Kuperstein R**, Sasson Z. Effects of antihypertensive therapy on glucose and insulin metabolism and on left ventricular mass. A randomized, double blind, controlled trial of 21 obese hypertensives. *Circulation* 2000;102(15):1802-6.
5. **Kuperstein R**, Hanly P, Niroumand M, Sasson Z. The importance of age and obesity on the relation between diabetes and left ventricular mass. *J Am Coll Cardiol* 2001;37(7):1957-62.
6. Niroumand M, **Kuperstein R**, Sasson Z, Hanly PJ. Impact of obstructive sleep apnea on left ventricular mass and diastolic function. *Am J Respir Crit Care Med* 2001;163(7):1632-6.
7. **Kuperstein R**, Feinberg MS, Rosenblat S, Beker B, Eldar M, Schwammenthal E. Prevalence, etiology and outcome of patients with restrictive ventricular filling and relatively preserved left ventricular systolic function. *Am J Cardiol* 2003; 15;91(12):1517-9.
8. Beinart R, Boyko V, Schwammenthal E, **Kuperstein R**, Sagie A, Hod H, Matetzky S, Behar S, Eldar M, Feinberg MS. Long-term prognostic

- significance of left atrial volume in acute myocardial infarction. J Am Coll Cardiol 2004 Jul 21; 44(2) 327-334.
9. **Kuperstein R**, Feinberg MS, Eldar M, Schwammenthal E. Physical determinants of systolic murmur intensity in aortic stenosis. Am J Cardiol 2005; 15;95(6):774-6.
 10. Carasso S, Sandach A, **Kuperstein R**, Beinart R, Schwammenthal E, Sagie A, Echocardiography Working Group of the Israel Heart Society. Usefulness of four echocardiographic risk assessments in predicting 30-day outcome in acute myocardial infarction. Am J Cardiol 2005;1;96(1):25-30.
 11. Carasso S, Sandach A, **Kuperstein R**, Schwammenthal E, Glikson M, Luria D, Guetta V, Schechter M, Eldar M, Feinberg MS. Atrial fibrillation in dobutamine stress echocardiography. Int J Cardiol 2006;111(1):53-8.
 12. Feinberg MS, Boyko V, Leor J, **Kuperstein R**, Sagie A, Hod H, Matetzky S, Behar S, Schwammenthal E. Differential value of left atrial systolic and diastolic volumes as independent predictors of congestive heart failure or early death in acute myocardial infarction. Heart 2006; 92(3):397-8
 13. **Kuperstein R**, Feinberg MS, Carrasso S, Gilman S, Dror Z, Di Segni E. The added value of real-time 3-dimensionakl echocardiography in the diagnosis of isolated cleft mitral valve in adults. J Am soc Echocardiograph 2006; 23(6):499-502.
 14. Liel-Cohen N, Tsadok Y, Beeri R, Lysyansky P, Agmon Y, Feinberg MS, Feshke W, Gilon D, Hay I, **Kuperstein R**, Leitman M, Deutsch L, Rosenman D, Sagie A, Shimoni S, Vaturi M, Friedman Z, Blondheim DS. A new tool for automatic assessment of segmental wall motion based on longitudinal 2D strain. A multicenter study by the Israeli echocardiography research group. Circ Cardiovasc Imaging 2010; (1):47-53.
 15. Harpaz D, Asman A, **Kuperstein R**, Boaz m, Chouraqui P. Left ventricular ejection fraction assessment by Tl-201 gated SPECT: a comparison with echocardiography. Clin Cardiol, 2010; 33(3):E56-62.
 16. Blonheim D, Beeri R, Feinberg MS, Vaturi M, Shimoni S, Fehske W, Sagie A, Rosenman D, Deutsch I, Leitman M, **Kuperstein R**, Hay I, Gilon D, Friedman Z, Agmon Y, Tzadok Y, Liel-Cohen N. Reliability of visual assessment of global and segmental left ventricular function: a multicenter

- study by the Israeli echocardiography research group. J Am Soc Echocardiogr, 2010; 23(3):258-64.
17. Abu Sham'a R, **Kuperstein R**, Barsheshet A, bar-Lev D, Luria D, Gurevitz O, Bachar S, Eldar M, Feunberg M, Glikson M. The effects of anodal stimulation on electrocardiogram, left ventricular dyssynchrony, and acute hemodynamics in patients with biventricular pacemakers. Europace 2011; 7:997-1003
 18. Goiten O, Beigel R, Matetzky S, **Kuperstein R**, Brosh S, Eshet Y, di Segni E, Konen E. Prospectively gated coronary computed tomography angiography; uncompromised quality with markedly reduced radiation exposure in acute chest pain evaluation Isr Med Assoc J 2011; 8:463-467
 19. Buber J, Luria D, Sternik L, Raanani E, Feinberg MS, Goldenberg I, Nof E, Gurevitz O, Eldar M, Glikson M, **Kuperstein R**. Left atrial contractile function following a successful modified Maze procedure at surgery and the risk of for subsequent thromboembolic stroke.
 20. Blondheim D, Friedman D, Lysyansky P, **Kuperstein R**, Hay I, Feinberg MS, Beeri R, Vaturi M, Sagie A, Shimoni S, Fehske W, Deutsch L, Leitman M, Gilon D, Agmon Y, Tsadok Y, Rosenman D, Liel-Cohen N. Use of an automatic application for wall motion classification based on longitudinal strain: Is it affected by operator expertise in echocardiography? A multicenter study by the Israeli echocardiography research group. Eur J of Cariovasc Imaging 2012;3:257-262
 21. Abu Sham'a R, Buber J, Grupper A, Nof E, **Kuperstein R**, Luria D, Feinberg MS, Eldar M, Glikson M. Effects of tricuspid valve regurgitation on clinical and echocardiographic outcome in patients with cardiac resynchronization therapy. Europace 2012; sept 4 published ahead of print
 22. Berger Y, Har Zahav Y, Kassif Y, Kogan A, **Kuperstein R**, Freimark D, Lavee J. Tricuspid valve regurgitation after orthotopic heart transplantation: prevalence and etiology. J Transplant. Epub 2012, Oct 14

B. 1. Articles Accepted for publication

None

B. 1. Articles Submitted

B. 2. CASE REPORTS*B. 2. Case Report Published*

1. Shinfeld A, **Kuperstein R**, Kachel E, Paz Y, Fienberg MS, Smolinsky AK. Repair of traumatic rupture of the aortic valve. *J Trauma* 2003;55:556-8.
2. Carrasso S, **Kuperstein R**, Konen E, Glikson M, Feinberg MS. Plowing the atrium and growing thrombi: two cases of large atrial thrombi following ablative and surgical procedure for atrial fibrillation. *Eur J Echocardiogr* 2006; 7(5):383-6.
3. Carraso S, Sternik L, **Kuperstein R**, Feinberg MS. A large saphenous vein graft aneurysm presenting as right atrial mass: a case report. *Echocardiography* 2006;23(6):499-502.
4. Osheroov A, Schwammenthal E, **Kuperstein R**, Strahilevitz J. Phialemonium curvatum prosthetic valve endocarditis with an unusual echocardiographic presentation. *Echocardiography* 2006;23(6):503-5.
5. Leitman M, **Kuperstein R**, Medalion B, Stamler A, Porat E, Rosenblat S, Krakover R, Vered Z. A highly unusual right atrial mass presented in two women. *Eur J Echocardiogr* 2008; 9(6):833-4.
6. Yuan SM, Shinfeld A, **Kuperstein R**, Raanani E. Cavernous hemangioma of the right atrium. *Kardiol Pol* 2008;66(9):974-6.
7. Yuan SM, Shinfeld A, Lavee J, Kuperstein R, Haizler R, Ranani E. Imaging morphology of cardiac tumors. *Cardiol J* 2009;16(1):26-35.
8. Yuan SM, **Kuperstein R**, Lavee J. Progressive discrete subaortic stenosis developed after successful primary repair of the supra-ventricular aortic stenosis in Williams syndrome. *Cardiol J* 2009;16(4):368-71.
9. Buber J, Hod H, Kuperstein R. Right to left shunting due to a patent foramen ovale during right ventricular infarction *Isr Med Assoc J*, 2010;12: June:381-382.

B. 3 REVIEW ARTICLES

None

D.2. PAPERS PRESENTED IN SCIENTIFIC MEETINGS

1. **Kuperstein R**, Nachtomy E, Axelrod S, Feinberg M, Battler A, Vered Z. A comparative study between magnetic resonance imaging and echocardiography with automatic border detection in determination of left ventricular volume and function. The 43th Annual Conference of The Israel Heart Society together with The Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel. *Isr J Med Sci* 1996; 32: (Suppl) p. 185.
2. **Kuperstein R**, Sasson Z. Insulin levels and left ventricular mass in obese hypertensives. 48th Annual Scientific Sessions, American College of Cardiology, New Orleans, LO, USA
J Am Coll Cardiol 1999; Vol 33 (2 Suppl A) p. 245A.
3. **Kuperstein R**, Sasson Z. Effects of antihypertensive therapy on glucose and insulin metabolism and on left ventricular mass. A randomized, double-blind, controlled trial of 21 obese hypertensives. Congress of the Canadian Cardiovascular Society, Quebec, Canada, October 1999.
Canadian J of Cardiol 1999, Sept 15 (Suppl D).
4. **Kuperstein R**, Hanly P, Niroumand M, O'Connor C, Perl J, Thornley K, Sasson Z. Importance of obesity and hypertension to the relation between age and left ventricular mass. 49th Annual Scientific Sessions, American College of Cardiology, Anaheim, CA, USA.
J Am Coll Cardiol 2000; Vol 35 (2 Suppl A) p. 265A.
5. **Kuperstein R**, Sasson Z, Persaud J, Granton J. Effect of inhaled nitric oxide on exercise pulmonary artery pressure in patients with pulmonary hypertension. 49th Annual Scientific Sessions, American College of Cardiology. Anaheim, CA, USA.
J Am Coll Cardiol 2000; Vol 35 (2 Suppl A) p.285A.
6. Feinberg MS, Amichai K, Sagie A, **Kuperstein R**, Behar S, Boyko V, Cohen M, Freimark D, Hod H, Schwammenthal E. Prognostic value of global myocardial performance indices in acute myocardial infarction: comparison to assessment of systolic and diastolic ventricular function. 23rd Congress of the European Society of Cardiology, Stockholm, Sweden.
Eur Hear J 2001 22; Abst Suppl p.111.
7. **Kuperstein R**, Feinberg MS, Rosenblat S, Beker B, Freimark D, Eldar M, Schwammenthal E. Prevalence, etiology and outcome of patients with restrictive filling and relatively preserved systolic function. The 49th Annual

Conference of The Israel Heart Society in association with The Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel.
J Isr Heart Soc 2002; (Abstract Suppl): p. 64.

8. **Kuperstein R**, Feinberg MS, Rosenblat S, Beker B, Eldar M, Schwammenthal E.
Comparison between transthoracic and transesophageal echocardiography in the assessment of segmental anatomy of mitral valve prolapse.
The 49th Annual Conference of The Israel Heart Society in association with The Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel.
J Isr Heart Soc 2002; (Abstract Suppl): p. 15.
9. Schwammenthal E, Amichai K, Sagie A, **Kuperstein R**, Behar S, Boyko V, Cohen M, Freimark D, Rabinowitz B, Hod H, Feinberg MS.
Prognostic value of global myocardial performance indices in acute myocardial infarction: comparison to assessment of systolic and diastolic ventricular function.
The 50th Annual Conference of The Israel Heart Society in association with The Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel.
J Isr Heart Soc 2003;(Abstract Suppl): p. 24.
10. Beinart R, Sandach A, Sagie A, **Kuperstein R**, Schwammenthal E, Leor J, Behar S, Eldar M, Feinberg MS. A new integrated echocardiographic risk classification of patients with acute myocardial infarction.
50th Annual Conference of The Israel Heart Society in association with The Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, 2003; (Abstract Suppl): 21, p. 76.
11. Feinberg MS, Jonas M, **Kuperstein R** Guetta V, Beker B, Di Segni E, Rosenblat S, Schwammenthal E. Accuracy of tissue Doppler and flow velocity propagation for estimating pulmonary wedge pressure depends on mitral flow pattern.
50th Annual Conference of The Israel Heart Society in association with The Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, 2003; (Abstracts Suppl) :21.
12. Gutstein A, **Kuperstein R**, Luria DM, Gurevitz OT, Bar-Lev DS, Glikson M, Eldar M, Feinberg MS. Prognostic significance of restrictive filling pattern on ICD discharge rate among patients with congestive heart failure.
51st Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, (Abstract Suppl): 2004; p. 89.
13. Beinart R, Sandach A, Sagie A, **Kuperstein R**, Schwammenthal E, Leor J, Behar S, Eldar M, Feinberg MS. A new integrated echocardiographic risk classification of patients with acute myocardial infarction.

The 51st Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, (Abstract Suppl): 2004; p. 76.

14. **Kuperstein R**, Feinberg MS, Eldar M, Schwammenthal E. Physical determinants of systolic murmur intensity in aortic stenosis. The 51st Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, (Abstract Suppl): 2004; p. 90.
15. **Kuperstein R**, Feinberg Ms, Brodov I, Eldar M, Schwammenthal E. Left ventricular filling in symptomatic and asymptomatic patients with aortic stenosis. 51st Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, (Abstract Suppl): 2004; p. 56.
16. Beinart R, Boyko V, Schwammenthal E, **Kuperstein R**, Sagie A, Hod H, Feinberg MS. Left atrial volume but not left ventricular volume or ejection fraction is an independent predictor of 5-year mortality in patients with acute myocardial infarction. XXVI Congress of the European Society of Cardiology, Munchen, Germany.
- Eur Heart J 2004;25 (Abstract Suppl); p. 300.
- 51st Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, 2004; (Abstract Suppl): p. 62.
17. Glikson M, Luria D, Feinberg MS, Gurevitz O, Bar-Lev D, Lipchenka AI, Granit C, Tanami N, **Kuperstein R**, Eldar M. Randomized comparison of active and passive fixation J-shaped atrial leads – acute and short term results.
- Heart Rhythm, 25th Annual Scientific Sessions, San Francisco, CA, USA, May 2004.
- 51st Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, 2004; (Abstract Suppl): p. 58.
The 25th Congress of the North American Society of Pacing and Electrophysiology. San Francisco, USA, 2004.
18. **Kuperstein R**, Feinberg MS, Carrasso S, Gilman S, Dror Z, Di Segni E. The additive value of real-time 3-dimensional echocardiography in the qualitative assessment of isolated cleft mitral valve.
The 52nd Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, 2005; (Abstract Suppl):p. 23.
27th Congress of the European Society of Cardiology, Stockholm, Sweden, 2005.
Eur Heart J 2005;(Abstract Suppl.) 143.

19. **Kuperstein R**, Potashnik Y, Feinberg MS, Freimark D, Arad M. Prevalence and etiology of restrictive filling pattern in patients with left ventricular hypertrophy and restrictive filling pattern.
The 52nd Annual Conference of the Israel Heart Society together with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, 2005; (Abstract Suppl): p. 90.
-The 9th congress of the European Association of Echocardiography, Florence, Italy, 2005.
Eur J of Echocardiog 2005;6(suppl1) S 147.
20. Glikson M, Luria D, Feinberg MS, Gurevitz O, Bar-Lev D, Lipchenka AI, Granit C, Tanami N, **Kuperstein R**, Eldar M. Randomized comparison of active and passive fixation J-shaped atrial leads.
The 52nd Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, 2005; (Abstract Suppl): p.15.
21. Carasso S, **Kuperstein R**, Gurevitz O, Bar Lev D, Gilman S, Shoval L, Dror Z, Guetta V, Eldar M, Schwammenthal E, Glikson M, Feinberg MS. The yield of echocardiographic determination of dp/dt in identifying responders of cardiac resynchronization therapy. The 52nd Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, 2005; (Abstract Suppl): p. 23.
22. Carasso S, **Kuperstein R**, Gurevitz O, Bar Lev D, Gilman S, Shoval L, Dror Z, Guetta V, Eldar M, Schwammenthal E, Glikson M, Feinberg MS. The impact of right ventricular function on the echocardiographic response to cardiac resynchronization therapy.
The 52nd Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, 2005; (Abstract Suppl): p. 23.
23. Carasso S, **Kuperstein R**, Gurevitz O, Bar Lev D, Gilman S, Shoval L, Dror Z, Guetta V, Eldar M, Schwammenthal E, Glikson M, Feinberg MS.
Echocardiographic evaluation of response to cardiac resynchronization therapy in ischemic versus non-ischemic cardiomyopathy.
The 52nd Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, 2005; (Abstract Suppl): p. 42.
24. Carasso S, **Kuperstein R**, Gilman S, Shoval L, Dror Z, Bar Lev D, Gurevitz O, Guetta V, Eldar M, Schwammenthal E, Glikson M, Feinberg MS.
Echocardiographic response of patients upgraded from univentricular pacing. The 52nd Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, (Abstract Suppl): p. 74.
25. **Kuperstein R**, Feinberg MS, Carrasso S, Gilman S, Dror Z, Di Segni E. The additive value of real-time 3-dimensional echocardiography in the qualitative assessment of isolated cleft mitral valve.

- The 52nd Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel, 2005; (Abstract Suppl):p. 73.
- Congress of the European Society of Cardiology, Stockholm, Sweden, September 2005.
26. **Kuperstein R**, Potashnik Y, Feinberg MS, Freimark D, Arad M. Prevalence and etiology of restrictive filling pattern in patients with left ventricular hypertrophy and restrictive filling. The 8th congress of the European Association of Echocardiography, Florence, Italy, December 2005.
 27. Feinberg MS, Carrasso S, Marai I, SandachA, **Kuperstein R**, Freimark D, Gueta V, Schechter M. The association between brachial arterial flow mediated vasodilation and and left ventricular diastolic dysfunction.
 - The 8th Congress of the European Association of Echocardiography, Florence, Italy, December 2005.
 - The 53rd Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery. Tel Aviv, Israel, 2006; (Abstract Suppl): p17.
 28. Nof E, Gurevitz O, Benderly M, Luria D, Granit C, Bachar S, Bar Lev D, Eldar M, **Kuperstein R**, Feinberg MS, Glikson M. Cardiac resynchronization therapy improves right ventricular dysfunction. The 53rd Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery. Tel Aviv, Israel, 2006; (Abstract Suppl): p 21.
 29. Nof E, Gurevitz O, Bar Lev D, Luria D, Bachar S, Granit C, Schwartz R, Eldar M, **Kuperstein R**, Feinberg MS, Glikson M. Predictors of response to cardiac resynchronization therapy. The 53rd Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery. Tel Aviv, Israel, 2006; (Abstract Suppl): p.75.
 30. Nof E, Chouraqui P, Hay I, Feinberg MS, **Kuperstein R**, Moalem I, elder M, Glikson M, Luria D. Right ventricular performance in patients with tachycardia induced cardiomyopathy. The 54th Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery. Abstracts, Tel Aviv, Israel, 2007; (Abstract Suppl): p.31.
 31. **Kuperstein R**, Osherov A, Gilman S, Shoval L, Dror Z, Feinberg MS. Intra-ventricular dyssynchrony following myocardial infarction. The 54th Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv, Israel 2007; (Abstract Suppl): p.45.
 32. Nof E, Gurevitz O, Bar Lev D, Bachar S, Granit C, Schwartz R, Eldar M, Luria D, **Kuperstein R**, Feinberg MS, Glikson M. Clinical deterioration after cardiac resynchronization therapy.

- The 54th Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery. Tel Aviv, Israel 2007; (Abstract Suppl): p.84.
33. Barsheshet A, Feinberg MS, **Kuperstein R**, Gurevitz O, Arad M, Bar Lev D, Granit H, Luria D, Eldar M, Glikson M. Clinical and echocardiographic characteristics of pacemaker induced cardiomyopathy: A pilot study. The 54th Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel Aviv Israel 2007; (Abstract Suppl): p. 86.
34. Liel-Cohen N, Beeri R, Agmon Y, Feinberg MS, Gilon D, Hay I, **Kuperstein R**, Leitman M, Rosenman D, Sagie A, Shimoni S, Tsadok Y, Vaturi M, Fehske W, Blondheim DS. A new speckle tracking algorithm can accurately analyze left ventricular wall motion- A multicenter study by the Israeli echocardiography research group. 57th Annual Scientific Sessions, American College of Cardiology. Chicago, IL, USA. J Am Coll Cardiol 2008; Vol 51(10- Suppl A) p.A101.
- The 55th Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel-Aviv, Israel 2008;(abstract Suppl):p.13.
35. Blondheim DS, Beeri R, Vaturi M, Tsadok Y, Shimoni S, Sagie A, Rosenman D, Leitman M, **Kuperstein R**, Hay I, Gilon D, Feinberg MS, Agmon Y, Fehske W, Liel-Cohen N. How reproducible is visual assessment of segmental wall motion? A multicenter study by the Israeli echocardiography research group. 57th Annual Scientific Sessions, American College of Cardiology. Chicago, IL, USA. J Am Coll Cardiol 2008; Vol 51(10- Suppl A) p. A129.
- The 55th Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel-Aviv, Israel 2008;(abstract Suppl):p.66.
36. Barsheshet A, Sancach A, Glikson M, **Kuperstein R**, Goldenberg I, Laish-Farkash A, Eldar M, Feinberg MS. Echocardiographic variables and left ventricular morphology patterns associated with right and left bundle branch blocks.
- The 55th Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel-Aviv, Israel 2008;(abstract Suppl):p.53.
37. Barsheshet A, Beinart R, Luria D, Feinberg MS, Gurevitz O, **Kuperstein R**, Granit C, Bar Lev D, Glikson M. Left ventricular lead placement and impact on outcome of cardiac resynchronization therapy. The 55th Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel-Aviv, Israel 2008;(abstract Suppl):p.55

38. Beinart R, Gurevitz O, Nof E, Bar Lev D, Luria D, Bachar S, Feinberg MS, **Kuperstein R**, Gilman S, Carasso S, Eldar M, Glikson M. The magnitude of clinical and echocardiographic changes in response to cardiac resynchronizxation therapy. The 55th Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel-Aviv, Israel 2008;(abstract Suppl):p.56.
39. **Kuperstein R**, Arad M, Simchen M, Frenkel Y, Shani H, Feinberg MS, Freimark D. Peripartum Cardiomyopathy: Echocardiographic Predictors of functional recovery.
-The 56th Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel-Aviv, Israel 2009;(abstract Suppl):p.21
-Thirteenth Annual Meeting of the European Association of Echocardiography, Madrid, Spain, 2009(abstract Suppl.)p.118
40. Barsheshet A, Abu Shama R, Feinberg MS, **Kuperstein R**, Sandach A, Luria D, Carasso S, Bar Lev D, Granit H, Eldar M, Glikson M. Predictors of echocardiographic response to cardiac resynchronization therapy.
-The 56th Annual Conference of the Israel Heart Society in association with the Israel Society of Cardiothoracic Surgery, Tel-Aviv, Israel 2009;(abstract Suppl):p.58.
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ריכוז פעילות הוראתית במסגרת הפקולטה לרפואה

אל: ועדת המינויים היחידתית לתחום הקליני
מאת: ד"ר רפאל קופרשטיין מועמד לדרגת: מרצה

להלן פירוט הפעילות ההוראתית בה השתתפתי:
קורס.קלרקשיפ שנה

| פירוט | קורס.קלרקשיפ | שנה |
|--|--|----------|
| Continuing education course in obstetrics and gynecology. Heart disease in peripartum and puerperium | Sackler Faculty of Medicine, Tel Aviv University | 2011 |
| Teaching 3 rd year biomedical engineering students while on rotation at the Heart Institute. | Sackler Faculty of Medicine, Tel Aviv University and Heart Institute, Sheba Medical Center, Tel Hashomer | 2007- 12 |
| Teaching and tutoring 4 th year American medical students while on rotation at the Heart Institute. | Sackler Faculty of Medicine, Tel Aviv University and Heart Institute, Sheba Medical Center, Tel Hashomer | 2002-12 |
| Teaching and tutoring 6 th year medical students while on rotation at the Heart Institute. | Sackler Faculty of Medicine, Tel Aviv University and Heart Institute, Sheba Medical Center, Tel Hashomer | 2002-12 |
| Teaching cardiology residents on a daily basis in the field of echocardiography rounds. | Heart Institute, Sheba Medical Center, Tel Hashomer | 2000-12 |
| Early Clinical Education for fourth year medical students. Mitral Valve Disease | Sackler Faculty of Medicine, Tel Aviv University | 2010 |
| Continuing education course in cardiology. Native and Prosthetic Heart Disease in Pregnancy | Sackler Faculty of Medicine, Tel Aviv University | 2010 |
| Continuing education course in cardiology. Valvular Heart Disease in Pregnancy. | Sackler Faculty of Medicine, Tel Aviv University | 2010 |
| Continuing education course in cardiology. Valvular Heart Disease in Pregnancy. | Sackler Faculty of Medicine, Tel Aviv University | 2007 |
| Continuing education course in radiology: Echocardiographic diagnosis of cardiac masses. | Sackler Faculty of Medicine, Tel Aviv University | 2004 |

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| Continuing education course in cardiology. The basics of echocardiography. | Sackler Faculty of Medicine, Tel Aviv University | 2003 |
| Continuing education course in cardiac surgery. Echocardiographic diagnosis and assessment of aortic valve disease. | Sackler Faculty of Medicine, Tel Aviv University | 2001 |

חתימה

שם