

## **CURRICULUM VITAE - Michael Glikson, M.D**

### PERSONAL INFORMATION

Michael Glikson, MD. ID no. 5457150-0

Director of Davidai Arrhythmia Center

Leviev Heart Center

Sheba Medical Center 52621

Tel/ fax 03-5356605

E mail : mglikson@post.tau.ac.il

### Current Address

Work            Arrhythmia Center , Heart Institute, Sheba Medical Center, Tel  
                         Hashomer, Israel  
                         Tel (03) 5302604; Fax (03) 5343888, 5356605

Home            24 Mendes st Ramat Gan , Israel 52653  
                         Tel (03) 5345832

Date and place of birth:    1956, Jerusalem, Israel

Military Service:        1982-1992 (active service 1982-86)

Marital status:        Married + 3 children

Citizenship:            Israeli

A. EDUCATION

- 1974-1980 School of Medicine, Hebrew University Jerusalem, Israel.  
MD degree awarded 1982. Israeli licence no. 16402
- 1986-1988 Residency in Medicine, Hadassah - Hebrew University Medical Center, Jerusalem, Israel, under the supervision of Prof. M. Eliakim and Prof. M. Levy
- 1988-1991 Fellowship in Cardiology, Sheba Medical Center and Tel Aviv University, Israel, under the supervision of Prof. E. Kaplinsky.  
Israeli Cardiology Specialty certificate no. 12393 awarded 1992
- 1-12/1990 Master in Cardiology - Research project and master thesis in the field of monoclonal antibodies (production of monoclonal antibodies to Soman, an organophosphate compound) in the department of chemical immunology, Weizmann Institute of Science, Rehovot, Israel .  
Master degree in Cardiology from Tel Aviv University awarded 5/1992
- 9/1992-8/1994 Fellowship in clinical pacing and electrophysiology at Mayo Clinic, Rochester, MN, under the supervision of Dr. David L Hayes and Dr Stehen C Hammill. Clinical research projects in the fields of electrode performance, exercise physiology of rate adaptive pacemakers, and pacing in post operative patients, as well as in the field of automatic implantable defibrillators.  
Mayo Fellowship Certificate awarded 8/94
- Title of Master's thesis: Production of monoclonal antibodies to Soman, an organophosphate compound.  
Supervisors: Prof Z Eshchar, Dept. of Chemical Immunology; Prof Y. Cohen, Dept of Cell Biology, Weizmann Institute , Rehovot
- MD Dissertation: Cardiac scans in patients with Wolff Parkinson White Syndrome.  
Supervisor: Dr A. Battler, Heart Institute, Sheba Medical Center

**B. FURTHER STUDIES**

1980 Three months elective for distinguished students from Israel in Mt. Sinai Hospital, New York (Cardiology, Pulmonology, and Pediatrics)

**C. ACADEMIC AND CLINICAL EXPERIENCE**

1984-1986 Two years in military medical research and development, concentrated in pharmacological research, mainly of antidotes to organophosphate intoxications.

1-12/1990 Research project and master's thesis in the field of monoclonal antibodies (production of monoclonal antibodies to Soman, an organophosphate compound) in the department of chemical immunology, Weizmann Institute of Science, Rehovot, Israel.  
Master degree in Cardiology from Tel Aviv University awarded 5/1992

9/1992-8/1994 Fellowship in clinical pacing and electrophysiology at Mayo Clinic, Rochester, MN, under the supervision of Dr. David L Hayes and Dr Stehen C Hammill. Clinical research projects in the fields of electrode performance, exercise physiology of rate adaptive pacemakers, and pacing in post operative patients, as well as in the field of automatic implantable defibrillators.

1991-1994 Instructor in Cardiology, Tel Aviv University

1995-2000 Lecturer in Cardiology, Tel Aviv University

2000-to date Senior Lecturer in Cardiology, Tel Aviv University

1999-2003 Director of Cardiology CME course, Tel Aviv University School of CME

3/2006 Associate Professor of Cardiology (Clinical)

12/2012 Full professor of cardiology (clinical )

**CLINICAL EXPERIENCE**

1981	Rotating internship in Sheba Medical Center, TelHashomer, Israel.
1986-1988	Residency in Medicine, Hadassah - Hebrew University Medical Center, Jerusalem, Israel, under the supervision of Prof. M. Eliakim and Prof. M. Levy
1988-1991	Fellowship in Cardiology, Sheba Medical Center and Tel Aviv University, Israel, under the supervision of Prof. E. Kaplinsky.
9/1992-8/1994	Fellowship in clinical pacing and electrophysiology at Mayo Clinic, Rochester, MN, under the supervision of Dr. David L Hayes and Dr Stehen C Hammill. Clinical research projects in the fields of electrode performance, exercise physiology of rate adaptive pacemakers, and pacing in post operative patients, as well as in the field of automatic implantable defibrillators.
1994-to date	Senior cardiologist at the Sheba Medical Center Heart Institute. Specialist in pacing and electrophysiology
9-10/1996	Visiting Clinician at the Mayo Clinic, Rochester, MN
1/2000	Nominated Director of Pacemaker Service, Sheba Medical Center
11-12/2000	Visiting Scientist, Mayo Clinic Division of Cardiovascular Diseases, Rochester, MN
2/2002	Director of Electrophysiology and Pacing Unit , Sheba Medical Center
10/2010	Director of Davidai Arrhythmia Center , Sheba Medical Center

**D. ACTIVE PARTICIPATION IN INTERNATIONAL SCIENTIFIC MEETINGS**

**Participation as Invited Faculty**

- 1/1986           Invited lecturer in two meetings of the American army and airforce (see list of publications)
  
- 10/1991         Secretary of Israel-U.S army conferences on medical research and development, vaccinations, and laser hazards.
  
- 4/1996           Executive secretary of the 3rd International Dead Sea Symposium on Pacing and Electrophysiology
  
- 5/1996           Invited faculty to chair a tutorial in NASPE Annual Meeting, Seattle
  
- 6/1996           Invited speaker at the First Mediterranean Symposium on Cardiac Arrhythmia, Siracusa, Italy, June 28-30, 1996
  
- 9/1997           Secretary and invited speaker at the Second International Symposium on Perioperative Cardiac Care, Tel Aviv, 9/97
  
- 3/1996           Invited International Advisory Board of the Asio-Pacific Society of Pacing and Electrophysiology, New Delhi, 1997
  
- 5/1997           Invited faculty to chair a tutorial in NASPE annual meeting, Seattle
  
- 3/1998           Secretary of the 4<sup>th</sup> International Dead Sea Symposium on cardiac Electrophysiology and Pacing
  
- 5/1998           Invited speaker at NASPE Annual Meeting, San Diego
  
- 10/1998         Invited chairman of a session in CRM symposium – New Frontiers in the Electrical Management of Cardiac Disorders . Geneva, Switzerland.
  
- 5/1999           Invited lecturer on pacing indications in a tutorial at the 20<sup>th</sup> annual scientific sessions of NASPE , Toronto, Canada

- 6/1999           Invited speaker in a satellite symposium on cardiac pacing at the World Congress on Pacing and Electrophysiology, Berlin
  
- 2/2000           Secretary of the 5th International Dead Sea Symposium on Diagnosis and Management of Cardiac Arrhythmias
  
- 10/1999          Invited lecturer at the MESPE meeting Djerba, Tunisia
  
- 3/2000           Invited chairman at the CRM Symposium on Cardiac Arrhythmias, Barcellona, Spain
  
- 5/2000           Invited speaker at the 21<sup>st</sup> Annual Scientific Sessions of NASPE, Washington, DC
  
- 6/2000           Invited speaker and session chairman of two sessions at the Cardiosim Meeting, Nice, France
  
- 6/2000           Invited session chairman - 2<sup>nd</sup> International Meeting of Intensive Cardiac Care, Jerusalem
  
- 9/2000           Invited chairman at the VII Southern Symposium on Cardiac Pacing, Taormina, Italy
  
- 2/2001           Chairman of organizing committee, 3<sup>rd</sup> International Symposium on Perioperative Cardiac Care, Tel Aviv, Israel
  
- 6/2001           Invited speaker at the Mayo St Petersburg symposium, St Petersburg, Russia
  
- 2/2002           Invited speaker at the Third Panhellenic Congress in Heart Failure, Athens, Greece
  
- 3/2002           Secretary of the 6<sup>th</sup> International Dead Sea Symposium on Diagnosis and Management of Cardiac Arrhythmias
  
- 5/2002           Invited speaker at the NASPE annual scientific session, San Diego
  
- 6/2002           Invited session chairman and speaker, 3<sup>rd</sup> International Meeting of Intensive Cardiac Care, Tel Aviv
  
- 10/2002          Invited speaker at the VIII Southern Symposium On Cardiac Pacing, Taormina, Italy

- 3/2003           Invited speaker at the Scientific Sessions of the American College of Cardiology  
Chicago, IL
- 5/2003           Invited chairman at NASPE annual scientific session, Washington DC
- 5/2004           Invited speaker at NASPE annual scientific session, San Francisco
- 10/2004          Chairman of the organizing committee, 7<sup>th</sup> International Dead Sea Symposium, Tel  
Aviv Israel
- 5/2005           Invited speaker , Heart Rate Society annual scientific sessions, New Orleans, LO
- 2/2005           Chairman of the organizing committee, 8<sup>th</sup> International Dead Sea Symposium, Tel  
Aviv Israel
- 9/2005           Member of the organizing committee, 4<sup>th</sup> International Meeting on Intensive Cardiac  
Care, Tel Aviv
- 5/2006           Invited speaker, Heart Rhythm Society, Boston, MA
- 3/2006           Invited speaker, American College of Cardiology Annual Scientific Sessions,  
Atlanta, GA
- 
- Since last promotion 4/4/ 06**
- 6/2006           Invited speaker, Cardiostim, Nice
- 9/2006           Invited session chairman at the European Society of Cardiology Annual Scientific  
Sessions, Barcellona, Spain
- 9/2006           Invited speaker and chairman, Cardiosummit 2006, Moscow
- 10/2006          Chairman of the organizing committee and invited speaker, 8<sup>th</sup> International Dead  
Sea Symposium, Tel Aviv
- 11/2006          Instructor and invited speaker, Medtronic International CRT course, Tolochenaz,  
Switzerland 13-14/11/06
- 4/2007           Invited speaker at the annual meeting of the Israel Heart society Tel Aviv 4/2007

- 5/2007 Invited speaker at the 28<sup>th</sup> annual scientific sessions of the Heart Rhythm Society, Denver CO
- 1/2008 Instructor and invited speaker, Medtronic International CRT course, Tolochenaz, Switzerland 11-212-07
- 1/2008 Invited speaker "In good Rhythm" symposium Zakopane, Poland , 10-12/1/08
- 3/2008 Invited chairman, 57<sup>th</sup> American College of Cardiology Annual Scientific sessions, Chicago, Il
- 5/2008 Invited speaker and chairman at the Heart Rhythm Society annual scientific sessions, San Francisco
- 9/2008 Invited speaker and chairman European Society of Cardiology Congress, Munich
- 9/2008 Chairman of the organizing committee 9<sup>th</sup> international Dead Sea conference, Tel Aviv
- 5/2009 Invited chairman at Heart rhythm society meeting, Boston
- 9/2009 Invited speaker and chairman European Society of Cardiology Annual Meeting Barcelona
- 10/2009 Invited speaker and session chairman, Intensive Cardiac Care Meeting, Tel Aviv
- 4/2010 Invited speaker and session chairperson, Annual meeting of the Israel Heart Society, Tel Aviv
- 5/2010 Invited session chairperson, Annual scientific sessions Heart Rhythm Society, Denver, CO
- 11/2010 Invited speaker and chairperson, European Heart Rhythm Association summit, Budapest
- 5/2011 Invited chair and speaker , Heart Rhythm Society , san Francisco CA
- 6/2011 Invited chair and speaker , Europace , Madrid



- 2/2012 Chairman of the organizing Committee International Deadsea symposium , Jerusalem  
2/2012
- 5/2012 Invited speaker and session chairman at the Heart Rhythm Society meeting , Boston  
5/2012
- 6/2012 Invited chairman at Cardiostim meeting Nice 6/2012
- 8/2012 Invited speaker at the European Society of Cardiology annual meeting , Munich  
Germany

Active Participation as Presenter (See D.2 in list of publications)

- 5/1993 North American Society of Pacing and Electrophysiology, San Diego, CA  
6/1993 6<sup>th</sup> European Symposium on Cardiac Pacing, Ostend, Belgium
- 10/1993 4<sup>th</sup> International Congress on Cardiac Pacing and Electrophysiology, Antalya,  
Turkey
- 10/1993 International Meeting on Rate Adaptive Pacing, Munich , Germany
- 11/1993 American Heart Association Annual Meeting, Atlanta, GA
- 6/1994 Cardiostim 1994, Nice, France
- 4/1995 Annual meeting of the Israeli Heart Society
- 5/1995 North American Society of Pacing and Electrophysiology, Boston, MA
- 6/1995 Europace '95, Istanbul, Turkey
- 4/1996 Third international Dead Sea Symposium on Advances in Diagnosis and Treatment  
of Cardiac Arrhythmias, Jerusalem
- 4/1996 Annual meeting of the Israel Heart Society, Tel Aviv

5/1996 North American Society of Pacing and Electrophysiology, Seattle, WA

6/1996 Cardiostim 1996, Nice, France

4/1997 Annual meeting of the Israel Heart Society, Jerusalem

5/1997 North American Society of Pacing and Electrophysiology, New Orleans, MO

6/1997 Europace '97, Athens, Greece

3/1998 4th international Dead Sea Symposium on Advances in Diagnosis and Treatment of Cardiac Arrhythmias, Dead Sea

4/1998 Annual meeting of the Israel Heart Society, Jerusalem

5/1998 North American Society of Pacing and Electrophysiology, San Diego, CA

6/1998 Cardiostim 1998, Nice, France

10/1999 MESPE meeting, Djerba, Tunisia

2/2000 5th International Dead Sea Symposium on Cardiac Arrhythmias

5/2000 NASPE meeting, Washington, DC

6/2000 Cardiostim meeting, Nice, France

9/2000 MESPE meeting, Taormina, Sicily

3/2002 6<sup>th</sup> International Dead Sea Symposium, Tel Aviv

5/2002 Naspe meeting, San Diego, CA

6/2002 Cardiostim, Nice, France

10/2002 7<sup>th</sup> Southern Symposium on Electrophysiology, Taormina, Italy

3/2003	American College of Cardiology, Chicago, IL
5/2003	NASPE Scientific Sessions, Washington DC
3/2004	American College of Cardiology, New Orleans, LA
5/2004	NASPE (HRS ) Scientific Sessions, San Francisco , CA
6/2004	Cardiostim, Nice, France
8/2004	European Society Of Cardiology, Munich, germany
5/2005	Heart Rhythm Society, New Orleans
6/2005	Europace , Prague
<b>Since last promotion 4/4/ 06</b>	
6/2006	Cardiostim, Nice, France
9/2006	European Society of Cardiology, Barcelona, Spain
5/2007	Heart Rhythm Society, Denver
6/2007	Europace, Lisbon
3/2008	American College of Cardiology, Chicago
5/2008	Heart Rhythm Society, San Francisco
6/2008	Cardiostim, Nice, France
9/2008	European Society of Cardiology, Munich
10/2008	9 <sup>th</sup> International Deadsea symposium, Tel Aviv
5/2009	Heart Rhythm Society, Boston
9/2009	European Society of Cardiology, Barcelona

- 2/2010            10<sup>th</sup> International Deadsea symposium, Tel Aviv
- 5/2010            Heart Rhythm Society, Denver CO
- 6/2010            Cardiostim, Nice, France
- 6/2011            Europace , Madrid Spain

### E.                            ACADEMIC AND PROFESSIONAL AWARDS AND GRANTS

- 1990                    Slezak grant for research by Sackler Faculty of Medicine
- 1991                    Genetech grant for basic research on PAI antibodies
- 1992-1993            APF fellowship for cardiology fellowship in USA
- 1992-1993            Fellowship grant of the Israeli Pacing Foundation
- 1993                    Medtronic grant for fellowship at the Mayo Clinic, USA
- 1996                    Medtronic research grant for clinical research at the Mayo Clinic on implantable defibrillators
- 1997                    Slezak grant for research on the effect of pneumothorax on defibrillation.
- 2000                    Medtronic research grant on Pneumothorax and defibrillation thresholds
- 3/2002                Diploma award for an abstract presented at the 6<sup>th</sup> International Dead Sea Symposium, Tel Aviv
- 5/2002                Tel Aviv University Research Grant for research in genetics of arrhythmias
- 6/2002                Tel Aviv University award for CME course director
- 5/2002-to date      Chairman of the steering committee of the DETECT SVT study Mayo Clinic, Rochester, MN and St Jude Medical

2008-to date	Slezak grant for research on anodal stimulation
7/2009 – present	ISF grant for research of sinus bradycardia no 1408/09 300,000 \$
2008- present	Cesarea fund grant for research in basic electrophysiology – 1 Million \$
2006-2012	Co principal investigator of the RAPTURE study a multicenter randomized trial on single vs dual chamber ICDS (Industry grant )
2012 -	Principal investigator of the RAISE CRT trial a multicenter randomized trial on CRT lead localization (Industry grant and Mayo-Sheba fund )

#### F. MEMBERSHIP IN PROFESSIONAL SOCIETIES AND EDITORIAL BOARDS

1981	Israeli Medical Association
1994	Member of NASPE (North American Society of Pacing and Electrophysiology)
1994	Member of the Mayo Alumni Association
1995	Member of the Israel Heart Society
1995-1/1999	Secretary of the Israeli Working Group on Pacing and Electrophysiology
8/1997	Member and national delegate of Israel in the European Working Group on Pacing of the European Society of Cardiology
3/1998	Fellow of the American College of Cardiology (FACC)
4/1999	Elected member of the Committee of the Israel Heart Society
2/2000	Elected member of the European Working Group on Arrhythmia
4/2003-4/2007	Secretary General of the Israel Heart Society

- 12/2003-to date Member of the Israeli National Council of Cardiology
- 10/2003 Member of the editorial board Journal of Israeli Military Medicine
- 12/2003-12/2008 Member of the editorial board - Heart Rhythm Journal
- 4/2004 Member of the editorial board - PACE
- 7/2004 Fellow of the European Society of Cardiology (FESC)
- 1/2008-to date Member of the editorial board - Europace
- 8/2008 Member of the editorial board - Cardiology Management
- 2/2009 Chairperson of the Israeli working group of pacing and electrophysiology
- 6/2009 Member of the writing committee on Device activation in terminal patients European Heart Rhythm Association
- 9/2009 Member of Scientific Document committee of the European Heart Rhythm Association
- 12/2010 Invited editor Update Cardiology - issue on pacing and electrophysiology

**G. STUDENTS SUPERVISED**

- 1/1998 - 12/1999 Elad Yaacoby, MSc Thesis in Medical Physics: Capture Verification of Pacemakers using evoked response and impedance measurements . Tel Aviv University
- 5/1999 – to date Michal Noiman, MSN thesis : Support groups for patients with ICDs. School of nursing, Sackler faculty of Medicine, Tel Aviv
- 6/2001- to date Eyal Nof, MD thesis on clinical and genetic characteristics of a novel syndrome of familial polymorphic VT
- 2/2002-to date Avner Yanai, MD thesis on drug induced bradycardia
- 5/2004-to date Dalit Weisman, PhD thesis on the effect of PUFA on arrhythmia in patients with ICDs
- 6/2009-to date Nir Golan, MD basic research project transbronchial pacing
- 5/2009-12/2010 Moshe Katz, MD thesis on pacing to enable anti arrhythmic treatment in atrial fibrillation
- 6/2010-12/2010 Gustavo Goldenberg, MD MD basic research project on conduction disturbances following TAVI
- 3/2011-to date Amir Givon, MD thesis on Tricuspid insufficiency due to lead extractions