

## CURRICULUM VITAE

(1.5.15)

Nachum Soroker, M.D.

Name: Nachum Soroker  
Place of work: Department of Neurologic Rehabilitation,  
Loewenstein Rehabilitation Hospital, Raanana  
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Home address: 4 Hameyasdim Str, Ramot Hashavim, 45930  
Date and place of birth: 11.2.52, Argentina  
Date of arrival in Israel: 30.4.56  
Zahal military service: 1.2.78 - 30.1.84  
Marital status: Married  
No. of children: 3

### A. Education:

1970-1977 Hebrew University, Hadassah Medical School, Jerusalem, Israel.  
1983-1988 Specialization in Physical Medicine & Rehabilitation, Loewenstein Hospital.  
27.2.1988 Specialist Degree in Physical Medicine and Rehabilitation.

### Doctoral Dissertation:

Title: *Study of Agar Hematopoietic Colonies Derived from Human Embryonic Livers.*

Supervisor: Prof. Ygal Barak, Pediatric Hematology Laboratory, Kaplan Hospital, Rehovot.

### B. Further Studies:

1983-1986 Postgraduate Medical School, Tel-Aviv University (TAU).  
1988 Diploma in Rehabilitation Medicine. Postgraduate Medical School, TAU.  
1988 World Health Organization Scholar. Visits to rehabilitation centers in Oxford and London, England. Main purpose: study of methods for "Functional Classification of Brain Damage". (1 month).  
1993 Postdoctoral Fellowship (Research), Baylor College of Medicine, Division of Restorative Neurology and Human Neurobiology, Houston, Texas (3 months).

- 1995 Advanced Trauma Life Support (ATLS) Provider Course.  
The Israel Association for Advancement of Trauma Care, Israel.
- 1995 Visiting Scientist, Baylor College of Medicine, Division of Restorative  
Neurology and Human Neurobiology, Houston, Texas (1 month).
- 1998 Computer Applications for Administrators. Sivan College, Israel (1 month).
- 2007 Design, Conduct & Management of Clinical Trials – Practical GCP  
Compliance.
- 2007 Principles of Medical Ethics. 1-day course for the teaching staff of Sackler  
Faculty of Medicine, TAU.
- 2011, 2014 Advanced Cardiac Life Support (ACLS) Course. MDA & Tel-Aviv University.  
ACLS course repeated 2014 (different provider, Loewenstein Hospital).

### C. Academic Experience:

#### **Head, Department of Rehabilitation Medicine, Sackler Faculty of Medicine, Tel-Aviv University (TAU). 1.9.12-present.**

- 1988 Faculty member, Instructor in Physical Medicine and Rehabilitation, Sackler  
Faculty of Medicine, TAU.
- 1988-2005 Member, committee for planning and organization of the postgraduate course  
in rehabilitation medicine. Postgraduate Medical School, Sackler School of  
Medicine, TAU.
- 1991-1994 Chairman, committee for planning and organization of the 1991-1994  
postgraduate course in rehabilitation medicine. Postgraduate Medical School,  
Sackler School of Medicine, TAU.
- 1993 Invited fellow and lecturer, workshop on "*Modularity and the Brain*", the  
Institute for Advanced Studies, Hebrew University, Jerusalem.
- 1993 Invited scientist, Baylor College of Medicine, Houston, Texas, USA. Lectures  
on "*Audiovisual Interactions in Hemineglect*" and "*Novel Methods for  
Neuroimaging Data Analysis*".
- 2000 Senior Lecturer, Physical Medicine and Rehabilitation, Sackler Faculty of  
Medicine, TAU (1.10.00).

- 2000-present Chairman, Specialization Committee, Loewenstein Rehabilitation Hospital.
- 2002-2004 Member, Committee for Final Works (M.D. students), Sackler Faculty of Medicine, TAU.
- 2003 Chairperson, Scientific Committee. 2<sup>nd</sup> World Congress of the International Society of Physical and Rehabilitation Medicine, Prague, Czech Republic (May, 2005).
- 2003 Member, Organizing Committee. 2<sup>nd</sup> World Congress of the International Society of Physical and Rehabilitation Medicine, Prague, Czech Republic (May, 2005).
- 2003 Chairperson, Scientific Committee. Conference entitled 'Advanced Technologies in Rehabilitation'. Annual meeting of the Israeli Physical and Rehabilitation Medicine Association, Shfayim, Israel (December, 2003).
- 2004 Editor (ad-hoc): Special issue of *Disability and Rehabilitation* (Taylor & Francis Publishing House, U.K.).
- 2004 Chairperson, Scientific Committee. Conference entitled 'Novel Aspects in Multidisciplinary Medical Rehabilitation'. Annual meeting of the Israeli Physical and Rehabilitation Medicine Association, with International Participation, Tel-Aviv, Israel (December, 2004).

Member, Editorial Board of Scientific Journals:

(1) **Disability and Rehabilitation.**

Official journal of the *International Society of Physical and Rehabilitation Medicine*. EB member 2004-2012.

(2) **European Journal of Physical and Rehabilitation Medicine.**

Official journal of the *Mediterranean Forum of Physical and Rehabilitation Medicine*, and of the *European Federation of Physical and Rehabilitation Medicine* EB member 2005-2012.

(3) **Physical Medicine and Rehabilitation Sciences.**

Official journal of the *Turkish Society of PMR Specialists*.  
EB member since 2006.

(4) **International Journal of Rehabilitation Research (IJRR).**

Official journal of the *European Federation for Research in Rehabilitation*.  
EB member 2007-2013.

(5) **SPMFR Journal**

Official Journal of the *Portuguese Society of Physical Medicine and Rehabilitation*.  
EB member since 2009.

- 2005 Member, Scientific Committee. 3<sup>rd</sup> World Congress of the International Society of Physical and Rehabilitation Medicine (ISPRM), Sao Paulo, Brazil (May, 2005).
- 2005 Chairperson, Organizing Committee. Conference entitled 'Rehabilitation 2005 – Challenges and Innovations'. Annual meeting of the Israeli Physical and Rehabilitation Medicine Association, with International Participation, Tel-Aviv, Israel (December, 2005).
- 2006 Invited Expert, Heilongjiang Province Rehabilitation Hospital, Harbin, China; Appointed Official Consultant to the Heilongjiang Province Rehabilitation Hospital and to the Heilongjiang Province Rehabilitation Medical Association (July, 2006)
- 2006 Member, Scientific Committee, 6<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Vilamoura, Algarve, Portugal (October, 2006).
- 2006 Chairperson, Organizing Committee. Conference entitled 'New Directions and Trends in Rehabilitation: Science, Technology and Education'. Annual meeting of the Israeli Physical and Rehabilitation Medicine Association, with International Participation, Tel-Aviv, Israel (November, 2006).
- 2007 Member, International Advisory Board, 4<sup>th</sup> World Congress of the International Society of Physical and Rehabilitation Medicine (ISPRM), Seoul, Korea (June, 2007)
- 2007 Chairperson, Organizing Committee. Conference entitled 'Rehabilitation 2007 – Basic Science and Clinical Applications'. Annual meeting of the Israeli Association of Physical and Rehabilitation Medicine with International Participation, Tel-Aviv, Israel (November, 2007).
- 2008 Member, Scientific Committee, 7<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Portoroze, Slovenia (September, 2008).
- 2008 Chairperson, Mid-Year Conference of the Israeli Physical and Rehabilitation Medicine Association, entitled: "Brain Rehabilitation – Challenges for the Second Decade of the 21<sup>st</sup> Century", Raanana, Israel (June, 2008).
- 2008 Chairperson, Organizing Committee. Conference entitled 'Rehabilitation 2008 – Basic Science and Clinical Applications'. Annual meeting of the Israeli Association of Physical and Rehabilitation Medicine with International Participation, Tel-Aviv, Israel (December, 2008).
- 2009 Member, Organizing Committee, International Research Conference entitled "*The Functions of the Parietal Lobes*", at the Institute for Advanced Studies, Jerusalem, Israel (March, 2009).

- 2009 Member, International Advisory Board, 5<sup>th</sup> World Congress of the International Society of Physical and Rehabilitation Medicine (ISPRM), Istanbul, Turkey (June, 2009).
- 2009 Member, Scientific Committee, Conference entitled 'Rehabilitation 2009 – Basic Science and Clinical Applications'. Annual meeting of the Israeli Association of Physical and Rehabilitation Medicine with International Participation, Tel-Aviv, Israel (November, 2009).
- 2010 Member, Scientific Planning Committee, 8<sup>th</sup> World Congress of the International Brain Injury Association (IBIA), Washington DC, USA (March, 2010).
- 2010 Member, International Advisory Committee, 2<sup>nd</sup> Asia-Oceania Congress of Physical and Rehabilitation Medicine, Taipei, Taiwan (April, 2010).
- 2010 Member, Organizing Committee, 8<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Limassol, Cyprus (September, 2010).
- 2010 Member, Scientific Committee, Annual congress of the Israeli Association of Physical and Rehabilitation Medicine with International Participation, Tel-Aviv, Israel (December, 2010).
- 2011 Member, Scientific Committee, Annual congress of the Israeli Association of Physical and Rehabilitation Medicine with International Participation, Tel-Aviv, Israel (December, 2011).
- 2012 Member, Scientific Committee, Annual congress of the Israeli Association of Physical and Rehabilitation Medicine with International Participation, Tel-Aviv, Israel (November, 2012).
- 2013 Member, Scientific Committee, 7<sup>th</sup> World Congress of the International Society of Physical and Rehabilitation Medicine (ISPRM), Beijing, China (June, 2013).
- 2013 Member, Scientific Committee, 12<sup>th</sup> Congress of the European Forum for Research in Rehabilitation (EFFR), Istanbul, Turkey (September, 2013).
- 2013 Member, Scientific Committee, Annual congress of the Israeli Association of Physical and Rehabilitation Medicine with International Participation, Tel-Aviv, Israel (December, 2013).
- 2014 Member, Organizing Committee, Mid-Year Congress of the International Neuropsychological Society, Jerusalem, Israel (June, 2014).

- 2014 Member, Scientific Committee, Annual congress of the Israeli Association of Physical and Rehabilitation Medicine, Jerusalem, Israel (December, 2014).
- 2015 Member, International Scientific Committee, 9<sup>th</sup> World Congress of the International Society of Physical and Rehabilitation Medicine (ISPRM), Berlin, Germany (June, 2015).
- 2015 Invited participant and lecturer: Workshop entitled "Motor Function and Rehabilitation in Health and in Stroke" University of Maryland, USA (April, 2015).

### Teaching Experience

Unless specified otherwise, the courses detailed below were given entirely by NS. In addition, there are lectures given regularly in postgraduate courses for rehabilitation physicians, or occasionally in neurology postgraduate courses – this lecturing is not specified in this list.

- 1989 Semesterial course entiteled: "*Developmental, Educational, and Clinical Aspects of Neuropsychology*", for M.A. students of Clinical Psychology. Invited by the Department of Psychology, TAU.
- 1989 Main lecturer and responsible for a semesterial course entitled: "*Brain Functions*", for Rehabilitation Physicians. Postgraduate Medical School, Sackler Faculty of Medicine, TAU.
- 1990 Semesterial course entitled: "*Principles of Structural and Functional Organization of the Human Central Nervous System*", for B.A. students of Occupational Therapy. Invited by the Department of Occupational Therapy, Sackler School of Medicine, TAU.
- 1991 Main lecturer and responsible for a semesterial course entitled: "*Diagnosis and Treatment of Cognitive and Linguistic Disturbances*", for Rehabilitation Physicians. Postgraduate Medical School, Sackler School of Medicine, TAU.

#### **2005, 2001, 1999, 1995, 1992**

Main lecturer and responsible for a semesterial course entitled: "*Brain Functions: Structure, Disturbances, Rehabilitation (Part I)*", for Rehabilitation Physicians. Postgraduate Medical School, Sackler School of Medicine, TAU.

#### **2005, 2002, 1999, 1996, 1994**

Main lecturer and responsible for a semesterial course entitled: "*Brain Functions: Structure, Disturbances, Rehabilitation (Part II)*", for Rehabilitation Physicians. Postgraduate Medical School, Sackler School of Medicine, TAU.

- 1994 A series of lectures on *Neuropsychology* for Psychiatrists. Postgraduate Medical School, Sackler School of Medicine, TAU.
- 2002 Semesterial course entitled: "*The Brain from Structure to Function*". Multidisciplinary Audience. Invited by the Department of Occupational Therapy, School of Health Professions, Sackler Faculty of Medicine, TAU.
- 2003 Semesterial course entitled: "*The Brain: Development, Function and Dysfunction*". Multidisciplinary audience. Invited by the Department of Occupational Therapy, School of Health Professions, Sackler Faculty of Medicine, TAU.
- 2004 Participation in a workshop for the improvement of lecturing abilities. The Unit for Medical Education, Sackler Faculty of Medicine, TAU.
- 2006 **Teaching Award:  
Excellent Teacher in Rehabilitation Medicine.  
Sackler Faculty of Medicine, Tel Aviv University.**
- 2010 **Teaching Award:  
Excellent M.D. Thesis Supervisor.  
Sackler Faculty of Medicine, Tel Aviv University.**
- 2012, 2009, 2006**  
Course entitled "*Brain and Behavior*" (**40 hours**) for graduate physiotherapists, occupational therapists and psychologists at the Loewenstein Rehabilitation Center.
- 2014, 2012, 2010, 2008, 2006, 2004, 2002, 2000, 1998**  
Semesterial post-graduate course (**60 hours**) entitled: "*Brain Functions - Basic Organization, Disturbances, Diagnosis and Rehabilitation*", for graduate occupational therapists and physiotherapists. Given every two years. Invited by the Department of Occupational Therapy, School of Health Professions, Sackler Faculty of Medicine, TAU.
- 2007- Present**  
Occasional public lectures on different topics within the fields of *Brain and Behavior* and *Brain Rehabilitation*. invited by "Magid Institute", "Kathedra", "Askolot".

#### D. Clinical Experience:

- 1978-1980 Army physician. Part of military service.
- 1980-1982 Department of Internal Medicine, Poryah Hospital. Part of military service.

- 1982-1983 Research and Development Branch, Medical Corps Headquarters. Officer in charge: Development of ICU/Hypothermia mobile units.
- 1983-1988 Specialization in Physical Medicine and Rehabilitation. Loewenstein Rehabilitation Hospital; Dept. of Orthopedic Surgery, Meir General Hospital, Kfar-Sava (1.9.86-28.2.87); Dept. of Neurology, Tel-Aviv Medical Center, Tel-Aviv (1.3.87-31.8.87).
- 1.6.1991 Deputy Head, Department of Neurologic Rehabilitation, Loewenstein Hospital Rehabilitation Center, Raanana.
- 12.2.1998 Head, Department of Neurologic Rehabilitation, Loewenstein Hospital Rehabilitation Center, Raanana.
- 2004-present Advisor on Rehabilitation to the Chief Medical Officer, Israeli Defense Forces.

### E. Academic and Professional Awards:

- 1987 Loewenstein Rehabilitation Center special award to study dBASE-III-Plus computer language. Tel Aviv, Israel.
- 1988 World Health Organization Scholarship (one month) to study methods for "Functional Classification of Brain Damage". Rehabilitation Centers in Oxford and London, England.
- 1989 Dr. Jacob Eisler Foundation, Tel Aviv, grant (\$32,350) for development of an image-processing system for quantitative analysis of brain computed tomography (PI).
- 1993 Vivian L. Smith Foundation, Houston. Post-Doctoral Fellowship (Research) at Baylor College of Medicine, Division of Restorative Neurology and Human Neurobiology (3 months), Houston, Texas, USA.
- 1993 The Institute for Advanced Studies, Hebrew University, Jerusalem. Fellow, "Modularity and the Brain" international workshop.
- 1993 Ministry of Health grant for a study entitled: "Unilateral Neglect Following Brain Injury: Interdisciplinary Research of Physiological and Psychophysical Mechanism, the anatomical basis and rehabilitation prospects" (I).
- 1993 Research Authority, Bar-Ilan University, grant (\$3000) for a study entitled: "Influence of Damage to the Basal Ganglia on Procedural Memory" (PI).
- 1993-4 The Israel Science Foundation (administered by the Israel Academy of Sciences and Humanities), grant (\$40,000) for a 2-year study entitled: "The Effect of Basal Ganglionic Lesions on Procedural Memory" (PI).



- 1995 Vivian L. Smith Foundation, Houston. Visiting Scientist (one month) to the program of Restorative Neurology at Baylor College of Medicine, Houston, Texas.
- 1997-8 The National Institute for Psychobiology in Israel (Founded by The Charles E. Smith Family), grant (\$10,000) for a study entitled: "Grouping and Competition in Visual Neglect" (I).
- 2004 Faculty of Medicine, Tel-Aviv University (the Rafi Rozin Foundation) grant (6000 NIS) for a study entitled: "Use of Prism Adaptation in Physical Therapy for Stroke Patients with Contraversive Pushing Syndrome" (used to facilitate the MSc study of student Daphna Niv).
- 2005-8 German-Israeli Foundation for Scientific Research & Development (GIF), grant (€ 150,000) for a study entitled: "The Neuroscience of Distraction and Involuntary Attention: An Electrophysiological and Neuropsychological Investigation" (I).
- 2005-8 The Israel Science Foundation (ISF) founded by the Israel Academy of Sciences and Humanities, grant (IS 185,000 1y) for a 3-year study entitled: "Pre-Attentive Audio-Visual Interactions in Space Perception – A Neurophysiological and Neuropsychological Investigation" (I).
- 2005-7 The National Institute for Psychobiology in Israel (Founded by The Charles E. Smith Family), grant for a study entitled: "Low level Visual Processing in Unilateral Spatial Neglect: Contrast Detection and Contrast Matching Study" (I).
- 2010 Faculty of Medicine, Tel-Aviv University (the Rivka Necht Foundation) grant (35000 NIS) for a study entitled: "Links between Action Observation and Execution in Stroke Patients: Investigating the Mechanism Using Electroencephalography" (I).
- 2010 Faculty of Medicine, Tel-Aviv University (the Rafi Rozin Foundation) grant (5000 NIS) for a study entitled: "Electrophysiological Monitoring of Action Observation Effects in Stroke Rehabilitation" (used to facilitate the PhD study of student Silvi Frenkel).
- 2010 Chief Scientist, Ministry of Health, grant (40000 NIS) for a study entitled: "Electrophysiological Monitoring of Action Observation Effects in Stroke Rehabilitation" (I).
- 2012 The Abraham Pozniak Award for excellence in Rehabilitation Medicine Practice.
- 2014 Clalit CEO 2014 Excellence Award.
- 2014 Clalit Excellence Award – Domain: Clinical Practice.

## F. Membership in Professional Societies:

- 1983 Member, Israel Association for Physical Medicine and Rehabilitation.

- 1990 Member of the Examination Board in Physical Medicine and Rehabilitation. The Scientific Council of the Israel Medical Association.
- 1995 Member of the Advisory Board on Specialist Degree in Physical Medicine and Rehabilitation. The Scientific Council of the Israel Medical Association.
- 2000 Member, Israeli Neuropsychological Society.
- 2001 Member, International Society of Physical and Rehabilitation Medicine (ISPRM).
- 2002 Board Member, International Society of Physical and Rehabilitation Medicine (ISPRM).
- 2002 Board Member, Israel Association for Physical Medicine and Rehabilitation.
- 2004 Member, the National Rehabilitation Council, Ministry of Health, Israel. Chairperson, Committee on Educational Requirements; Deputy Chair, Committee on Rehabilitation Requirements for Adult and Geriatric Populations.
- 2004 Member, Editorial Board, ***Disability and Rehabilitation*** (Taylor & Francis Publishing House, U.K.).
- 2005-11 Member, Editorial Board, ***European Journal of Physical and Rehabilitation Medicine*** (Minerva Medica, Torino).
- 2005-9 Chairperson, Board of Governors, Israel Association of Physical Medicine and Rehabilitation.
- 2006 Member, Editorial Board, ***Physical Medicine and Rehabilitation Sciences***, (published by the Turkish Society of PMR Specialists, Ankara).
- 2006-10 Regional Vice President (Africa & Middle East), International Society of Physical and Rehabilitation Medicine (ISPRM).
- 2006 Chairperson, Website Sub-Committee, International Society of Physical and Rehabilitation Medicine (ISPRM).
- 2006 Member, Education Committee, International Society of Physical and Rehabilitation Medicine (ISPRM).
- 2006-10 Member, WHO Committee, International Society of Physical and Rehabilitation Medicine (ISPRM).
- 2007 Member, Editorial Board, ***International Journal of Rehabilitation Research (IJRR)*** (Lippincott Williams & Wilkins).

- 2009 Member, Editorial board, **SPMFR Journal** (published by the *Portuguese Society of Physical Medicine and Rehabilitation*, Lisbon).
- 2010 Member, Finance Committee; Assistant Treasurer, International Society of Physical and Rehabilitation Medicine (ISPRM).
- 2010-12 Member of the Executive Committee, International Society of Physical and Rehabilitation Medicine (ISPRM).
- 2013 Member, Committee for planning a *National Rehabilitation Program*, Ministry of Health, Israel.

### G. Active Participation (Lecturing) in Scientific Meetings:

- 1985 13<sup>th</sup> World Congress of the Israel Medical Association. Jerusalem, Israel.
- 1986 Israel Medical Association, 5<sup>th</sup> Medical Week. Jerusalem, Israel.
- 1987 International Conference on: "The Rehabilitation of the Brain Injured Person, a Neuropsychological Perspective". Tel-Aviv, Israel.
- 1988 14<sup>th</sup> World Congress of the Israel Medical Association. Jerusalem, Israel.
- 1989 Israel Medical Association, 7<sup>th</sup> Medical Week. Jerusalem, Israel.
- 1991 15<sup>th</sup> World Congress of the Israel Medical Association. Jerusalem, Israel.
- 1991 The Annual Meeting of the Israel Psychological Association, Jerusalem, Israel.
- 1992 International Symposium Entitled: "Rehabilitation of the Patient with Brain Damage, the Young and the Old". Ma'ale Hahamisha, Israel (**invited speaker**).
- 1993 The Institute for Advanced Studies (IAS) Workshop on: "Modularity and the Brain", Jerusalem, Israel (**invited speaker**).
- 1994 Seminar of the Center for Research of Higher Brain Functions. Weizmann Institute of Science, Rehovot, Israel (**invited speaker**).
- 1996 1<sup>st</sup> Mediterranean Congress of Physical Medicine and Rehabilitation, Herzliya, Israel.
- 1998 2<sup>nd</sup> Mediterranean Congress of Physical Medicine and Rehabilitation, Valencia, Spain.
- 1999 Symposium on "Hemiplegia and its Rehabilitation", Gazi University, Ankara, Turkey (**invited speaker**).

- 2000 Pro-ESOR Seminar on Functional Measurement in Rehabilitation, Helsingor, Denmark (**invited expert**).
- 2001 2<sup>nd</sup> Scientific Conference of the Israeli Neuropsychological Society, Ramat Gan, Israel (**invited speaker**).
- 2000 EuroConference on Cognitive and Neural Bases of Spatial Neglect, Como, Italy.
- 2001 Sackler Faculty of Medicine, TAU, 2<sup>nd</sup> Research Fair, Tel-Aviv, Israel.
- 2001 18<sup>th</sup> Turkish National Congress of Physical Medicine and Rehabilitation, Kemer, Turkey (**invited speaker**).
- 2001 5<sup>th</sup> Annual Quality Meeting, Clalit Health Services, Jerusalem, Israel.
- 2001 14<sup>th</sup> Israel Medical Week, Israel Medical Association, Tel-Aviv, Israel.
- 2002 Sackler Faculty of Medicine, TAU, 3<sup>rd</sup> Research Fair, Tel-Aviv, Israel.
- 2003 2<sup>nd</sup> International Classification of Functioning (WHO-ICF) Core-Set Conference. Seon, Germany (**invited expert**).
- 2003 4<sup>th</sup> Bessie and Louis Stein Geriatrics Conference on Advances in Rehabilitation of the Elderly. Tel-Aviv, Israel (**invited speaker**).
- 2003 2<sup>nd</sup> World Congress of the ISPRM. Prague, Czech Republic (**invited keynote lecturer**).
- 2003 12<sup>th</sup> Israeli Congress of General Practice-Family Medicine, Tel-Aviv, Israel (**invited speaker**).
- 2003 Italian-Israeli Workshop on Cognitive Neuroscience, Ben-Gurion University, Israel (**invited speaker**).
- 2003 *'Advanced Technologies in Rehabilitation'*, Annual meeting of the Israeli Association of Physical and Rehabilitation Medicine, Shfayim, Israel.
- 2004 40<sup>th</sup> Annual Meeting of the Israeli Association of Speech Pathologists. Ashkelon, Israel (**invited speaker**).
- 2004 15<sup>th</sup> Israel Medical Week., Tel Aviv, Israel (**invited speaker**).
- 2004 5<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Antalia, Turkey (**invited speaker**).

- 2004 *'Innovative Aspects in Multi-Disciplinary Medical Rehabilitation'*. 55<sup>th</sup> Annual meeting of the Israeli Association of Physical and Rehabilitation Medicine, with International Participation, Tel-Aviv, Israel (**chairperson, scientific committee, lecturer**).
- 2005 Annual Meeting of the Israeli Society of Neuropsychology, Beer Sheba, Israel.
- 2005 3<sup>rd</sup> World Congress of the ISPRM. Sao Paulo, Brazil (**invited keynote lecturer and workshop coordinator**).
- 2005 *'Rehabilitation 2005 – challenges and innovations'*. 56<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, with International Participation. Tel-Aviv, Israel, 2005 (**congress chairperson, workshop coordinator, keynote lecturer**).
- 2006 Annual Meeting of the Israeli Society of Neuropsychology, Jerusalem, Israel.
- 2006 International Congress "Stroke Rehab 2006", Goteborg, Sweden (**invited speaker**).
- 2006 Mid-Year Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Bat Yam, Israel.
- 2006 6<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Vilamoura, Algarve, Portugal (**invited speaker, workshop coordinator**).
- 2006 Conference entitled 'New Directions and Trends in Rehabilitation: Science, Technology and Education'. Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, with International Participation, Tel-Aviv, Israel (**congress chairperson, workshop coordinator**).
- 2007 4<sup>th</sup> World Congress of the ISPRM, Seoul, Korea (**invited speaker and member of the international advisory board**).
- 2007 Congress entitled: "Brain, Technology and Society: Needs and Solutions", Organized by Holon Institute of Technology, Holon Israel (**invited speaker**).
- 2007 Conference entitled 'Rehabilitation 2007 – Basic Science and Clinical Applications'. Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, with International Participation, Tel-Aviv, Israel (**congress chairperson, workshop coordinator**).
- 2008 The Annual Meeting of the Israeli Society of Neuropsychology, Haifa, Israel.
- 2008 The 1<sup>st</sup> Asia Oceania Conference of Physical and Rehabilitation Medicine, Nanjing, China (**invited plenary speaker**).
- 2008 Mid-Year Conference of the Israeli Physical and Rehabilitation Medicine Association, entitled: "Brain Rehabilitation – Challenges for the Second Decade of the 21<sup>st</sup> Century", Raanana, Israel (**conference chairperson**).

- 2008 Interdisciplinary Neurology-Psychiatry Conference, Ramat-Gan, Israel (**invited speaker**).
- 2008 7<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Portoroze, Slovenia (**invited speaker, workshop coordinator**).
- 2008 Conference entitled 'Rehabilitation 2008 – Basic Science and Clinical Applications'. Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, with International Participation, Tel-Aviv, Israel (**congress chairperson, workshop coordinator, plenary keynote lecturer**).
- 2009 International Research Conference entitled "*The Functions of the Parietal Lobes*", at the Institute for Advanced Studies, Jerusalem, Israel (**invited speaker, member of the organizing committee**).
- 2009 5<sup>th</sup> World Congress of the ISPRM, Istanbul, Turkey (**invited speaker and member of the international advisory board**).
- 2009 60<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel (**keynote lecturer, workshop moderator**).
- 2010 4<sup>th</sup> Portuguese Stroke Conference, Porto, Portugal (**invited speaker**).
- 2010 17<sup>th</sup> Congress of the European Society of Physical and Rehabilitation Medicine, Venice, Italy (**invited speaker, session moderator**).
- 2010 8<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Limassol, Cyprus (**invited keynote speaker**).
- 2010 61<sup>st</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel (**keynote lecturer**).
- 2011 47<sup>th</sup> Annual Meeting of the Israeli Speech, Hearing and Language Association, Tel Aviv, Israel (**invited speaker**).
- 2011 Conference entitled 'Brain Plasticity: From Science to Technology', The Israeli Biofeedback-Neurofeedback Association, Tel-Aviv, Israel (**invited speaker**).
- 2011 Mid-Year Conference of the Israeli Physical and Rehabilitation Medicine Association, entitled 'Measures in Rehabilitation Medicine', Raanana, Israel.
- 2011 6<sup>th</sup> World Congress of the ISPRM, San Juan, Puerto Rico (**invited speaker**).
- 2011 Prof. Michael Myslobodsky Memorial Symposium: The Brain in Health and Disease, Tel Aviv, Israel (**invited speaker**).

- 2011 62<sup>nd</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel (**special didactic session organizer and speaker**).
- 2012 23<sup>rd</sup> Rehabilitation Medicine Days, Congress entitled: "Importance of perceptual and cognitive abilities in rehabilitation medicine", Ljubljana, Slovenia (**invited speaker**).
- 2012 18<sup>th</sup> Congress of the European Society of Physical and Rehabilitation Medicine, Thesaloniki, Greece (**invited speaker**).
- 2012 Bi-National (Italy-Israel) Conference entitled: New Frontiers in Rehabilitation: "Technology and Practice", Tel-Aviv, Israel (**invited speaker**).
- 2012 9<sup>th</sup> Mediterranean Congress of Physical and Rehabilitation Medicine, Sorrento, Italy (**invited lecture**).
- 2012 Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Atlanta, USA.
- 2012 63<sup>rd</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel (**keynote lecture**).
- 2013 24<sup>th</sup> National Physical Medicine and Rehabilitation Congress, Antalya, Turkey (**invited plenary speaker**).
- 2013 7<sup>th</sup> World Congress of the International Society of Physical and Rehabilitation Medicine (ISPRM), Beijing, China (**invited speaker; workshop moderator**).
- 2013 12<sup>th</sup> Congress of European Forum for Research in Rehabilitation (EFRR), Istanbul, Turkey (**invited plenary speaker; workshop moderator**).
- 2013 Israel Ministry of Health Congress entitled: "Medical Rehabilitation: Challenges in Planning a National Program", Jerusalem, Israel (**plenary speaker; round-table moderator**).
- 2013 64<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Tel-Aviv, Israel (**keynote lecture; workshop moderator**).
- 2014 8<sup>th</sup> Annual Meeting of The Korean Society for NeuroRehabilitation (KSNR) & 3<sup>rd</sup> Korea-Japan NeuroRehabilitation Conference, Busan, Korea, 2014 (**invited plenary speaker**).
- 2014 8<sup>th</sup> ISPRM World Congress, Cancun, Mexico, 2014 (**invited speaker**).
- 2014 65<sup>th</sup> Annual Meeting of the Israeli Association of Physical and Rehabilitation Medicine, Jerusalem, Israel, 2014. (**moderator and lecturer - invited didactic session**).

- 2015 UMD-TAU Workshop "Motor Function and Rehabilitation in Health and in Stroke" University of Maryland, USA. (**Invited participant and lecturer**).
- 2015 9<sup>th</sup> ISPRM World Congress, Berlin, Germany, 2015 (**invited speaker**).

### G1. Supervision of M.D. Students:

- 1989 Yehuda Sepkuti. Sackler Faculty of Medicine, TAU.  
"Modulation of the Neglect Syndrome Through Monocular Vision". (**thesis awarded**).
- 1992 Leon Deouell. Sackler Faculty of Medicine, TAU.  
"The Anatomy and Recovery Patterns of Hemispatial Neglect Following Right-Hemisphere Lesions". (**thesis awarded**).
- 2007 Nilly Keren. Sackler Faculty of Medicine, TAU.  
"The effect of monocular vision on spatial attention in patients with right and left hemispheric lesions". (**thesis awarded**).
- 2009 Sharon Greenberg. Sackler Faculty of Medicine, TAU.  
"Space representation in the visual and tactile modalities in right-hemisphere damaged patients with spatial neglect". (**thesis awarded**).
- 2015 Gil Fridberg. Sackler Faculty of Medicine, TAU.  
"The Impact of Lesion Data on Functional Recovery after Stroke: Quantitative, Statistical Assessment" (data collection in 2015).

**Teaching Award: Excellent M.D. Thesis Supervisor, year 2010.  
Sackler Faculty of Medicine, Tel Aviv University.**

### G2. Supervision of Ph.D. and M.A. Students:

- 1993 Avia Gvion (M.A. Thesis). Sackler School of Medicine, Communication Disorders, TAU. "Anatomical-Functional Correlations in Aphasics, According to the Wernicke-Lichtheim Model and According to Functions Defined by the Linguistic Theory".
- 1996 [Role: First Reader] Alon Wasserman (M.A. Thesis). Department of Psychology, The Hebrew University, Jerusalem. "Spatial-Sequence Learning by Patients with Unilateral Neglect".
- 1996 [Role: First Reader] Tali Bitan (M.A. Thesis). Department of Psychology, The Hebrew University, Jerusalem. "Activating Response Codes of Letter Stimuli in the Unattended Visual Field in Patients with Extinction".



- 1999 [Role: First Reader] Shlomit Ben-Moshe (M.A. Thesis). Department of Psychology, The Hebrew University, Jerusalem. "Directional Disengagement Deficit and Directional Reading in Patients with Unilateral Neglect".
- 2003 Shira Gazit Weiss (M.A. Thesis). Department of Communication Disorders, Sackler Faculty of Medicine, Tel-Aviv University, Tel Aviv. "Effect of Right-Hand Electrical Stimulation Below the Threshold for Sensory Perception on Language Functions in Aphasic Patients Following Left-Hemisphere Damage".
- 2003 Shirley Abitbul (M.A. Thesis). Department of Psychology, The Hebrew University, Jerusalem. "Treatment of Unilateral Spatial Neglect with Mesh-Glove Stimulation".
- 2004 Ruth Albeck Elimelech (Ph.D. Thesis). The Hebrew University, Jerusalem. "Attentional Bias and Cognitive Style in Unilateral Neglect: Face Perception as a Model".
- 2005 Anat Hadar-Zalstein (M.A. Thesis). Department of Psychology, The Hebrew University, Jerusalem. "Contralesional Neglect of Constructed Tactile and Visual Images Following Hemispheric Lesions".
- 2006 Keren Kahana (M.A. Thesis). Department of Occupational Therapy, Sackler Faculty of Medicine, Tel-Aviv University, Tel Aviv. "Monocular Viewing and Lateralized Dynamic Visual Stimulation in the Treatment of Spatial Neglect".
- 2007 Amit Kleinbort (M.A. Thesis). Department of Psychology, The Hebrew University, Jerusalem. "Prism Adaptation Effects on Attention Mechanisms in Spatial Neglect".
- 2008 Daphna Niv (M.A. Thesis). Department of Physiotherapy, Sackler Faculty of Medicine, Tel-Aviv University, Tel Aviv. "Use of Prism Adaptation in the Treatment of Stroke Patients with Contraversive Pushing Syndrome".
- 2009 Shany Lev (M.A. Thesis). Department of Physiotherapy, Sackler Faculty of Medicine, Tel-Aviv University, Tel Aviv. "Use of Trunk Vibration in the Treatment of Stroke Patients with Contraversive Pushing Syndrome".
- 2010-14 Silvi Frenkel-Toledo (Ph.D. Thesis). Tel-Aviv University. "Role of Action Observation in Rehabilitation Treatment of the Hemiparetic Upper Limb After Stroke".
- 2011 Gadi Bartur (Ph.D. Thesis). Haifa University. "The role of the contra-lesional hemisphere during upper limb rehabilitation after stroke: Inter-hemispheric dynamics of unilateral vs. bilateral training" (ongoing).
- 2012 Nurit Goldshuv-Ezra (Ph.D. Thesis). Technion, Haifa. "EEG-Biofeedback Treatment for Unilateral Spatial Neglect: a Behavioural and Electrophysiological Study" (ongoing)

- 2014 Justine Raz (Ph.D. Thesis). Tel-Aviv University. Electrophysiological monitoring of the brain's response to neuromodulatory treatment using tDCS in stroke patients.

### G3. Supervision of Residents' Basic Science Research Projects:

- 1995 Yaron Menda, MD. "Neuroanatomy and Functional Comorbidity of Lip-Reading Disturbances in Stroke Patients".
- 1995 Corinne Serfaty, MD. "Spontaneous and Directed Recovery Processes in Patients with Hemispatial Neglect: Possible Consequences for Rehabilitation Treatment" (**awarded**).
- 1997 Jana Landa, MD. "Effect of 'Mesh Glove' Electrical Stimulation Bellow the Sensory Threshold on Impaired Functions of the Contralateral Cerebral Hemisphere Following Stroke".
- 2002 Yaron Sacher, MD. "Spatial Attentional Processing in Unilateral Neglect" (**awarded**).
- 2005 Shirit Ophir, MD. "Recovery Patterns in Unilateral Spatial Neglect."
- 2010 Motti Ratmansky, MD. "Effectiveness of Neuromyotherapy for Hemiplegic Shoulder Pain."

### Research program - ongoing studies and papers in preparation (1.5.15):

1. Controlled afferent electrical stimulation in the treatment of spatial-attentional disturbances in unilateral neglect. With: Dimitrijevic M (Baylor College of Medicine, Houston).
2. Directional bias and mode of face processing in unilateral spatial neglect. With: Bentin S and Elimelech R (Hebrew University, Jerusalem).
3. Retrieval of extinguished information from iconic memory by partial report. With: Bonne Y (Weizman Institute, Rehovot), Stronguin F, Sacher Y (Loewenstein Hosp., Raanana).
4. Monocular visual search following right- and left-cerebral damage. With: Keren N, Sacher Y (Loewenstein Rehab Center, Raanana).
5. Ipsilesional eye patching in the treatment of spatial neglect. With: Kahana K, Sacher Y (Loewenstein Rehab Center, Raanana) and Yarus T (Tel Aviv University).
6. Prism adaptation in the treatment of contraversive pushing following stroke. With: Niv D and Sacher Y (Loewenstein Rehab Center, Raanana) and Lieberman D (Tel Aviv University).

7. Neck vibration in the treatment of contraversive pushing following stroke. With: Shani L and Sacher Y (Loewenstein Rehab Center, Raanana) and Lieberman D (Tel Aviv University).
8. Prism adaptation effect on space-based attention as reflected in the spatial-cueing paradigm. With: Kleinbort A and Bentin S (Hebrew University, Jerusalem).
9. Sub-threshold mesh-glove electrical stimulation of the contralesional hand in the treatment of spatial neglect. With: Abitbul S and Bentin S (Hebrew University, Jerusalem).
11. Ipsilateral inattention shown by the disconnected left and right cerebral hemispheres. With: Serfaty C, Sacher Y (Loewenstein Rehab Center, Raanana).
12. Hemispacial neglect without sensory-motor loss: recovery patterns of left vs. right hand performance. With: Serfaty C, Sacher Y (Loewenstein Rehab Center, Raanana).
13. Lip-reading and auditory comprehension of language following unilateral brain damage. With: Menda Y and Cismariu K (Loewenstein Rehab Center, Raanana).
14. A longitudinal study of line-bisection performance in unilateral visual neglect. With: Serfaty C, Sacher Y (Loewenstein Rehab Center, Raanana).