

CURRICULUM VITAE

NAME Gabriel Zeilig, MD

PLACE OF WORK Division of Rehabilitation
The Chaim Sheba Medical Center, Tel Hashomer 52621, Israel

A. EDUCATION

1976 - 1983	Medicine Medical School, University of Milano, Milano, Italy Graduate M.D., March 17, 1983
1983	State exam (Italian and EU)
1984	Israel State Medical License (#18973)
1992	Specialty License in Physical Medicine & Rehabilitation
1992	Board Certification in Physical Medicine & Rehabilitation (# 12600)

B. FURTHER STUDIES

1983 - 1984	Internship The Chaim Sheba Medical Center, Tel Hashomer
1985 - 1990	Resident Physical Medicine and Rehabilitation The Chaim Sheba Medical Center, Tel Hashomer
1986 - 1990	Post Graduate Course, Rehabilitation Medicine Sackler School of Medicine, Tel Aviv University
1987	Bobath method in treatment of CVA (cardiovascular accidents) The Chaim Sheba Medical Center, Tel Hashomer, Israel
1992	Somatosensory monitoring in DREZ lesion surgery School of Medicine, Duke University, Durham, North Carolina, USA
1993	Treatment of chronic and acute pain

	School of Continuing Medical Education, Sackler School of Medicine, Tel Aviv University
1994	Diploma in Physical Medicine & Rehabilitation School of Continuing Medical Education, Sackler School of Medicine, Tel Aviv University
1995 - 1996	Sports Medicine School of Continuing Medical Education, Sackler School of Medicine, Tel Aviv University
2006	Surgical rehabilitation of the upper limb in tetraplegia Austin Health, Royal Talbot Rehabilitation Center, Melbourne, Australia
2007	Neurostimulation: Implantable Peroneal Stimulator Actigait Otto Bock Healthcare Center, Wiena, Austria
2010	4th Coloplast Symposium for Current Topics on Spinal Cord Injuries. September 25, 2010, Humlebaek, Denmark

C. ACADEMIC & PROFESSIONAL ACTIVITIES & ACHIEVEMENTS

C1.ACADEMIC EXPERIENCE

1987 - Present	Lecturer – Physical & Rehabilitation Medicine and School of Nursing and School of Physiotherapy, Sackler School of Medicine, Tel Aviv University The Chaim Sheba Medical Center, Tel Hashomer, Israel
2002	Rehabilitation of individuals with Spinal-Cord Injuries. Course developer. The Chaim Sheba Medical Center, Tel Hashomer, Israel
2005 - 2012	Lecturer - Physical and Rehabilitation Medicine, Sackler School of Medicine, Tel Aviv University, Israel

2012-2016	Senior Lecturer (clinical) – Department of Physical and Rehabilitation Medicine, Sackler School of Medicine, Tel Aviv University, Israel
2014-2017	Research consultant, Department of Immunology, Faculty of Biology (prof Avi Ben-Nun), Weizmann institute of science, Israel
2016-present	Associate professor (clinical) - Department of Physical and Rehabilitation Medicine, Sackler School of Medicine, Tel Aviv University, Israel
2016-2020	Head- Department of Physical and Rehabilitation Medicine, Sackler School of Medicine, Tel Aviv University, Israel
2020 –present	Head of Masters programs in rehabilitation and case management – Ono Academic College, Kiriat Ono, Israel

1987 - Present	Attending Physician Beit Halochem, Veteran's Sports, Recreation & Rehabilitation Center, Tel Aviv, Israel
1989 - Present	Authorized Physician Ministry of Defense, Israel
1989 - Present	Authorized Physician “Lewis” National Rehabilitation Institute for Orthotics
1990 - 1993	Attending Physician Neurological Rehabilitation The Chaim Sheba Medical Center, Tel Hashomer, Israel
1993 - 1995	Fellowship Neurotrauma Critical Care (Research) & Neurorehabilitation, University of Maryland, Baltimore, MD, U.S.A
1995 - 1998	Senior Physician Department of Neurological Rehabilitation The Chaim Sheba Medical Center, Tel Hashomer, Israel
1995 - 1998	Consultant Physician Department of Pediatric Rehabilitation The Chaim Sheba Medical Center, Tel Hashomer, Israel
1996 - 1999	Director & Founder Rehabilitation Day Hospital Program The Chaim Sheba Medical Center, Tel Hashomer, Israel
1998 - 1999	Deputy Director Department of Neurological Rehabilitation The Chaim Sheba Medical Center, Tel Hashomer, Israel
1997	Director & Founder “Steps”, Day hospital – Mobility rehabilitation unit
1999 - 2020	Head Department of Neurological Rehabilitation

	The Chaim Sheba Medical Center, Tel Hashomer, Israel
2003 - Present	Consultant physician for neurological rehabilitation IDF
2005 - 2015	Member of Scientific Council for Board Certification in Physical Medicine and Rehabilitation, Israeli Medical Association
2005 - 2010	Member of Scientific Council for Board Certification in Medical Administration, Public Health and Occupational Medicine, Israeli Medical Association
2006-2008	Regional coordinator of the study 'Development of ICF Core Sets for Spinal Cord Injury"
2009 - Present	The Israeli National Insurance Institute –Consultant physician
2009	Director & Founder Day hospital - Neuro-oncologic rehabilitation unit
2010	Director & Founder Day hospital - Parkinson rehabilitation unit
2018-2020	Head, Division of Neurological Rehabilitation, The Chaim Sheba Medical Center, Tel Hashomer, Israel
2019	Director & Founder Day hospital - Ehlers – Danlos syndrome rehabilitation unit
2020 - present	Head, Innovative Projects in Rehabilitation, The Chaim Sheba Medical Center, Tel Hashomer, Israel

C4. MEMBERSHIP IN PROFESSIONAL SOCIETIES

1983 - Present	Israel Medical Association, Israel
1986 - Present	Israeli Association of Physical and Rehabilitation Medicine, Israel

1987 - Present	International Spinal Cord Society (ISCoS)
1994 - Present	Israel Association of Neurotrauma, Israel
1995 - 2012	American Society of Neurorehabilitation, USA
1995 - Present	American Spine Injury Association (ASIA), USA
2000 - Present	Israel Association of Spine Medicine
1995-Present	International Society of Physical and Rehabilitation Medicine (ISPRM)

F. GRANTS

Years	Investigator (Principal/other)	Granted by Institute/Company	Total Amount
2010 - 2011	CI	Israeli Authority for road safety	NIS 158,700
2012-2013	PI	Stulz Margot , Tel Aviv University, Faculty of Medicine	NIS 37,000
2012 - 2014	CI	IRP/IFP - International Foundation for Research in Paraplegia, Switzerland	SF 150,000
2012-2014	PI	Israeli Ministry of Defense , the VA department	NIS 150,000
2014	C-PI	The Refael Rozin Research Fund	NIS 5000

2015-2018	CI	IRP/IFP - International Foundation for Research in Paraplegia, Switzerland	SF 150,000
2015-2018	CI	Israeli Ministry of Science and Technology – "Science Technology and Innovation for the Population in the Third Age".	NIS 1,114,00
2015-2018	CI	European Union H2020- Research and Innovation Action (RIA) ICT-2014-1 Topic: ICT-22-2014	€ 326,000
2015-2019	C-PI	European Union H2020- Marie Skłodowska-Curie program. Perception and Action in Complex Environments (PACE)	€ 262,000
2017-2020	CI	The Israeli Ministry of Health- Chief scientist office	NIS 600,000

H. MEMBER OF EDITORIAL BOARD/ REVIEWER (INTERNATIONAL JOURNALS)

Years	Role	Journal Name
2005 - Present	Reviewer	Spinal Cord
2005 - Present	Reviewer	Archives of Physical Medicine and Rehabilitation
2005 - Present	Reviewer	Brain injury
2005-Present	Reviewer	Israeli medical association journal

2005-Present	Reviewer	Harefuah
2007 - Present	Reviewer	Disability and Rehabilitation
2009 - Present	Editorial board member	Romanian Journal of Physical and Rehabilitation Medicine
2011 - Present	Editorial board member	The Scientific World Journal: Rehabilitation
2013-2020	Editorial board member	International Journal of Neurorehabilitation
2014-Present	Reviewer	PLOS ONE
2014-Present	Reviewer	Annals of Biomedical Engineering

PUBLICATIONS

B.1. ORIGINAL ARTICLES PUBLISHED

B.1. ARTICLES PUBLISHED

B1-1.	<p><u>Zeilig G</u>, Ohry A, Shemesh Y, Bar-On Z, Blumen M, Brooks ME The rehabilitation of patients with severe Guillain Barré Syndrome <i>Paraplegia</i>, 26:250-254, 1988</p>
B1-2.	<p>Berezin M, Ohry A, Shemesh Y, <u>Zeilig G</u>, Brooks ME Hyperprolactinemia, galactorrhea, and amenorrhea in women with a spinal cord injury <i>Gynecologic Endocrinol</i>, 3:159-163, 1989</p>
B1-3.	<p>היים מ, עורי א, <u>זיליג ג</u>, גור ש שיקומם של נפגעי חוט השידרה מפאת תאונות אויר או צנichות <i>הרפואה</i>, 122:630-631, 1992</p> <p>Heim M, Ohry A, <u>Zeilig G</u>, Gur S Spinal cord injuries caused by aviation accidents <i>Harefuah</i>, 122:630-631, 1992</p>
B1-4.	<p>Drubach A.D, <u>Zeilig G</u>, Perez J.C, Peralta L, Makley M Treatment of Abulia with Carbidopa/Levodopa compound <i>Journal of Neurorehabilitation</i> (present: Neurorehabilitation and Neural Repair), 9:151-155, 1995</p>
B1-5.	<p><u>Zeilig G</u>, Katz-Zeilig M, Celnick A. P, Drubach A.D. Metastatic and traumatic spinal cord injury: acute rehabilitation outcome, post-discharge placement and one year survival <i>Journal of Neurorehabilitation</i> (present: Neurorehabilitation and Neural Repair), 10:59-63, 1996</p>

B1-6.	Burstein R, Zeilig G , Royburt M, Epstein Y, Ohry A Insulin resistance in paraplegics- effect of one bout of acute exercise <u>International Journal of Sports Medicine</u> , 17 (4):272-276, 1996
B1-7.	Zeilig G , Drubach DA, Katz-Zeilig M, Karatinos J Pathological laughter and crying in patients with closed traumatic brain injury <u>Brain Injury</u> , 10 (8):591-597, 1996
B1-8.	Lidar T, Christian A, Yakar S, Langevitz P, Zeilig G , Ohry A, Bakimer R, Sorek H, Livneh A Clinically insignificant (natural) autoantibodies against acetyl-cholinesterase in the sera of patients with a variety of neurologic, muscular and autoimmune diseases <u>Immunology Letters</u> , 55:79-84, 1997
B1-9.	Heruti R, Dankner R, Berezin M, Zeilig G , Ohry A Gynecomastia following spinal cord disorder <u>Archives of Physical Medicine and Rehabilitation</u> , 78:534-537, 1997
B1-10.	Weingarden HP, Zeilig G , Heruti R, Shemesh Y, Ohry A, Dar A, Katz D, Nathan R, Smith A Hybrid functional electrical stimulation orthosis system for the upper limb. Effect on spasticity in chronic, stable hemiplegia <u>American Journal of Physical Medicine and Rehabilitation</u> , 77:276-281, 1998
B1-11.	Zeilig G , Dolev M, Weingarden HP, Blumen N, Shemesh Y, Ohry A Long-term morbidity and mortality after spinal cord injury: 50 years of follow-up <u>Spinal Cord</u> , 38:563-566, 2000
B1-12.	Zwecker M, Levenkrohn S, Fleisig Y, Zeilig G , Ohry A, Adunsky A Mini-mental state examination, cognitive FIM instrument, and the Loewenstein occupational therapy cognitive assessment: relation to functional outcome of stroke

	patients <u>Archives of Physical Medicine and Rehabilitation</u> , 83:342-345, 2002
B1-13.	Itzkovich M, Tripolski M, Zelig G , Ring H, Rosentul N, Ronen J, Spasser R, Catz A Rash analysis of the Catz-Itzkovich of the spinal cord independence measure. <u>Spinal Cord</u> , 46 (8), 396-407, 2002
B1-14.	Dudkiewicz I, Gabrielov R, Seiv-Ner I, Zelig G , Heim M. Evaluation of prosthetic usage in upper limb amputees. <u>Disability and rehabilitation</u> , 26 (1):60-63, 2004
B1-15.	Rubin-Asher D, Zelig G , Klieger M, Adunsky A, Weingarden H Dermatological findings following acute traumatic spinal cord injury. <u>Spinal Cord</u> , 43(3):175-8, 2005
B1-16.	Adunski A, Arad M, Levi R, Blankstein A, Zelig G , Mizrahi E. Five-year experience with the "Sheba" model of comprehensive orthogeriatric care for elderly hip fracture patients. <u>Disability and Rehabilitation</u> 15:27(18-19), 1123-1127, 2005
B1-17.	Arinzon Z, Zelig G , Berner Y, Adunski A. Antiepileptic drug use and the occurrence of pressure ulcers among bedridden institutionalized elderly patients: a retrospective chart review. <u>The American Journal of Geriatric Pharmacotherapy</u> , 3(3): 180-185, 2005
B1-18.	Knoller N, Auerbach G, Fulga V, Zelig G , Attias J, Bakiner R, Marder JB, Yoles E, Belkin M, Schwartz M, Hadani M Autologous activated macrophage therapy – a potential treatment for complete spinal cord injury. <u>Journal of Neurosurgery</u> 3(3):173-181, 2005

B1-19.	<p><u>Zeilig G</u>, Weingarden HP, Levy R, Peer I, Ohry A, Blumen N. Heterotopic ossification in Guillain-Barré syndrome: incidence and effects on functional outcome with long-term follow-up. <u>Arch Phys Med Rehabil</u> 2006;87:92-5.</p>
B1-20.	<p>Catz A, Itzkovich M, Tesio L, Biering-Sorensen F, Weeks C, Laramee MT, Craven BC, Tonack M, Hitzig SL, Glaser E, <u>Zeilig G</u>, Aito S, Scivoletto G, Mecci M, Chadwick RJ, El Masry WS, Osman A, Glass CA, Silva P, Soni BM, Gardner BP, Savic G, Bergstrom EM, Bluvshtein V, Ronen J. A multicenter international study on the Spinal Cord Independence Measure, version III: Rasch psychometric validation. <u>Spinal Cord</u>. 2007 Apr;45(4):275-91.</p>
B1-21.	<p>Defrin R, Grunhaus L, Zamir D, <u>Zeilig G</u>. The effect of a series of repetitive transcranial magnetic stimulations of the motor cortex on central pain after spinal cord injury. <u>Arch Phys Med Rehabil</u>. 2007 Dec;88(12):1574-80.</p>
B1-22.	<p>Itzkovich M, Gelernter I, Biering-Sorensen F, Weeks C, Laramee MT, Craven BC, Tonack M, Hitzig SL, Glaser E, <u>Zeilig G</u>, Aito S, Scivoletto G, Mecci M, Chadwick RJ, El Masry WS, Osman A, Glass CA, Silva P, Soni BM, Gardner BP, Savic G, Bergström EM, Bluvshtein V, Ronen J, Catz A. The Spinal Cord Independence Measure (SCIM) version III: reliability and validity in a multi-center international study. <u>Disabil Rehabil</u>. 2007 Dec 30;29(24):1926-33.</p>
B1-23.	<p>Adunski A, Mizrahi E, Arad M, Hershkowitz M, <u>Zeilig G</u>, Blankstein A. Ultrasonography and Clinico-Functional Parameters of Hemiplegic Upper Extremity in a rehabilitation setting. <u>Journal of Musculoskeletal Research</u> 2009 12(1):1-6.</p>

B1-24.	Givon U, Zeilig G , Achiron A. Gait analysis in multiple sclerosis: Characterization of temporal–spatial parameters using GAITRite functional ambulation system. <u>Gait Posture</u> . 2009 Jan;29(1):138-42.
B1-25.	Ben-Dov I, Zlobinski R, Segel MJ, Gaides M, Shulimzon T, Zeilig G . Ventilatory response to hypercapnia in C5–8 chronic tetraplegia: the effect of posture. <u>Arch Phys Med Rehabil</u> . 2009 Aug; 90(8):1414-7.
B1-26.	Govrin J, Kogan L, Luger E, Tamir J, Zeilig G , Shafir R. New method for treating hard-to-heal wounds: clinical experience with charged polystyrene microspheres. <u>Wounds UK</u> . 2010; 6 (4): 52-61.
B1-27.	Rubin-Asher D, Zeilig G , Ratner A, Asher I, Zivelin A, Seligsohn U, Lubetsky A. Risk factors for failure of heparin thromboprophylaxis in patients with acute traumatic spinal cord injury. <u>Thromb Res</u> . 2010 Jun; 125(6):501-4.
B1-28.	Zeilig G , Weingarden HP, Zwecker M, Rubin-Asher D, Ratner A, Ohry A. Civilian spinal cord injuries due to terror explosions. <u>Spinal Cord</u> . 2010 Nov;48(11):814-8.
B1-29.	Bluvshtein V, Front L, Itzkovich M, Aidinoff E, Gelernter I, Hart J, Biering-Soerensen F, Weeks C, Laramee MT, Craven C, Hitzig SL, Glaser E, Zeilig G , Aito S, Scivoletto G, Mecci M, Chadwick RJ, El Masry WS, Osman A, Glass CA, Silva P, Soni BM, Gardner BP, Savic G, Bergström EM, Catz A. SCIM III is reliable and valid in a separate analysis for Traumatic Spinal Cord Lesions. <u>Spinal Cord</u> . 2011 Feb;49(2):292-6.
B1-30.	Aidinoff E, Front F, Itzkovich M, Bluvshtein V, Gelernter I, Hart J, Biering-Soerensen F, Weeks C, Laramee MT, Craven C, Hitzig SL, Glaser E, Zeilig G , Aito S, Scivoletto G, Mecci M, Chadwick RJ, El Masry WS, Osman A, Glass CA, Soni BM, Gardner BP, Savic G, Bergström EM, Silva P, Catz A.

	Expected spinal cord independence measure, third version, scores for various neurological levels after complete spinal cord lesions. <u>Spinal Cord.</u> 2011 Aug;49(8):893-6.
B1-31.	Bluvshtein V, Front L, Itzkovich M, Benjamini Y, Galili T, Gelernter I, Aidinoff E, Hart J, Tesio L, Biering-Sorensen F, Weeks C, Laramee MT, Craven C, Hitzig SL, Glaser E, Zeilig G , Aito S, Scivoletto G, Mecci M, Chadwick RJ, El Masry WS, Osman A, Glass CA, Silva P, Soni BM, Gardner BP, Savic G, Bergström EM, Catz A. A new grading for easy and concise description of functional status after spinal cord lesions. <u>Spinal Cord.</u> 2012 Jan;50(1):42-50.
B1-32.	Givon U, Zeilig G , Dolev M, Achiron A. The Month of birth and the incidence of multiple sclerosis in the Israeli population. <u>Neuroepidemiology.</u> 2012;38(1):64-8.
B1-33.	Zeilig G , Weingarten H, Shemesh Y, Herman A, Heim M, Zwecker M, Dudkiewicz I. Functional and environmental factors affecting work status in individuals with longstanding poliomyelitis. <u>J Spinal Cord Med.</u> 2012 Jan;35(1):22-7.
B1-34.	Zeilig G , Weingarten H, Zwecker M, Dudkiewicz I, Bloch A, Esquenazi A. Safety and tolerance of the ReWalk™ exoskeleton suit for ambulation of people with complete spinal cord injury. A pilot study. <u>J Spinal Cord Med.</u> 2012;35(2):96-101.
B1-35.	Zeilig G , Enosh S, Rubin-Asher D, Lehr B, Defrin R. The nature and course of sensory changes following spinal cord injury: predictive properties and implications on the mechanism of central pain. <u>Brain.</u> 2012 Feb;135(Pt 2):418-30.

B1-36.	Zeilig G , Rivel M *(equal contribution), Weingarden H, Gaidoukov E, Defrin R. Hemiplegic shoulder pain: Evidence of a neuropathic origin. <u>Pain</u> 154 (1):263-271, 2013
B1-37.	ShohamY, Kogan L, Weiss J, Tamir E, Krieger Y, Barnea Y, Regev E, Vigoda D, Haikin N, Inbal A, Arnon O, Bogdanov-Berezovsky A, Silberstein E, Rosenberg N, Govrin-Yehudain J, Zeilig G . Wound 'Dechronification' with Negatively-Charged Polystyrene Microspheres (NCM): a New Approach in the Treatment of Hard-To-Heal Wounds. A Randomized Prospective Double-Blind Study. <u>Journal of Wound Care</u> , 22(3):144-155, 2013
B1-38.	Raviv G, Madgar I, Elizur S, Zeilig G , Levron J Testicular sperm retrieval and intra cytoplasmic sperm injection provide favorable outcome in spinal cord injury patients, failing conservative reproductive treatment. <u>Spinal Cord</u> . 2013, 51(8):642-644
B1-39.	Rand D, Givon N, Weingarden H, Nota A, Zeilig G Eliciting upper extremity purposeful movements using video-games: a comparison with traditional therapy for stroke rehabilitation. <u>Neurorehabilitation and Neural Repair</u> , 2014; 28(8):733-9,
B1-40.	Kalron A, Nitzani D, Magalashvili D, Dolev M, Menascu S, Stern Y, Rosenblum U, Pasitselsky D, Frid L, Zeilig G , Barmatz C, Givon U and Achiron A A personalized, intense physical rehabilitation program improves walking in people with multiple sclerosis presenting with different levels of disability: a retrospective cohort <u>BMC Neurology</u> 2015, 15, 21 DOI 10.1186/s12883-015-0281-9
B1-41.	Plotnik M, Azrad T, Bondi M, Bahat Y, Gimmon Y, Zeilig G , Inzelberg R, Ziev-Ner I.

	<p>Self- selected gait speed- over ground versus self-paced treadmill walking, a solution for a paradox.</p> <p><u>Journal of Neuro Engineering and Rehabilitation</u> 12: 20, 2015</p>
B1-42.	<p>Frost Y, Weingarden H, Zelig G, Nota A, Rand D</p> <p>Self-care self-efficacy correlates with independence in basic activities of daily living in individuals with chronic stroke</p> <p><u>Journal of Stroke and Cerebrovascular Diseases</u>, 2015, 24(7):1649-1655</p>
B1-43.	<p>Givon N, Zelig G, Weingarden H, Rand D</p> <p>Video-games used in a group setting is feasible and effective to improve indicators of physical activity in individuals with chronic stroke: A randomized controlled trial.</p> <p><u>Clinical Rehabilitation</u> 2016, 30(4) 383–392</p>
B1-44.	<p>Eisenstein M, Boura-Halfon S, Endel Hansen B, Henrik Nielsen C, Milo R, Zelig G, Lassmann H, Altmann M D, Ben-Nun A.</p> <p>Role of a novel HLA-DQA1*01:02;DRB1*15:01 mixed-isotype heterodimer in the pathogenesis of 'humanized' multiple sclerosis-like disease.</p> <p><u>The Journal of Biological Chemistry</u> 2015, 290(24):15260-78</p>
B1-45.	<p>Levitin Y, Zelig G*(equal contribution), Bondi M, Ringler E, Defrin R</p> <p>Predicting the risk for central pain using the sensory components of the International Standards for Neurological Classification of Spinal Cord Injury (ISNCSCI).</p> <p><u>Journal of Neurotrauma</u>, 2015, 1;32(21):1684-92. doi: 10.1089/neu.2015.3947</p>
B1-46.	<p>Rand D, Zelig G, Kizony R.</p> <p>Rehab-let: touchscreen tablet for self-training impaired dexterity poststroke; A protocol for a pilot randomized controlled trial.</p> <p><u>Trials</u>, 2015,16:277. doi: 10.1186/s13063-015-0796-9</p>
B1-47.	<p>Kizony R, Zelig G, Dudkiewicz I, Schejter-Margalit T, Rand D.</p> <p>Tablet apps and dexterity: comparison between three age groups and proof of concept</p>

	for stroke rehabilitation. <u>Journal of Neurologic Physical Therapy</u> , 40(1):31-9, 2016.
B1-48.	Hadid A., Belzer N., Shabshin N., Zeilig G. , Gefen A., Epstein Y. The effect of mechanical strains in soft tissues of the shoulder during load carriage. <u>Journal of Biomechanics</u> 2015, 48(15): 4160-4165
B1-49.	Nechemia Y, Moreh E, Weingarden H, Bloch A, Givon U, Vaknin-Dembinsky A, Schwartz I, Meiner Z, Zeilig G. Effectiveness of multi-disciplinary rehabilitation for patients with Neuromyelitis Optica <u>J Spinal Cord Med</u> 2016, 39(3): 311-6
B1-50.	Rozental-Iluz C, Zeilig G. , Weingarden H, and Rand D. Improving executive function deficits by playing interactive video-games; a secondary analysis of a randomized controlled trial for individuals with chronic stroke. <u>Eur J Phys Rehabil Med</u> , 52(4):508-15, 2016
B1-51.	Zeilig G. , Rivel M, Doron D, Defrin R Does Hemiplegic shoulder pain share clinical and sensory characteristics with central neuropathic pain? - A comparative study. <u>Eur J Phys Rehabil Med</u> , 52(5):662-671 2016
B1-52.	Gruener H., Zeilig G. , Laufer Y., Blumen N., Defrin R Differential pain modulation properties in central neuropathic pain after spinal cord injury. <u>Pain</u> 157(7):1415-24, 2016
B1-53.	Bloch A, Tamir D., Vakil E., Zeilig G Specific Deficit in Implicit Motor Sequence Learning Following Spinal Cord Injury <u>PLoS ONE</u> 29;11(6), 2016
B1-54.	Rand, D, Weingarden, H, Weiss, R, Yacoby, A, Reif, S, Malka, R, Shiller, A. David, Zeilig G. Self-training to improve upper extremity function at the chronic stage post-stroke; a pilot randomized controlled trial.

	<u>Disability and Rehabilitation</u> , 22:1-9, 2016
B1-55.	Hadid A, Katz I, T Haker T, <u>Zelig G</u> , Defrin R, Epstein Y, Gefen A. The effect of load carriage on upper limb performance. <u>Medicine And Science in Sports and Exercise</u> 22. doi: 10.1249/MSS.0000000000001192, 2016
B1-56.	R Kizony, P L Weiss, S. Harel, Y Feldman, A. Obuhov, <u>Zelig G</u> , M Shani. Tele-Rehabilitation Service Delivery Journey from Prototype to Robust In-Home Use <u>Disability and Rehabilitation</u> , 22:1-9, 2016.
B1-57.	M. Bondi, <u>G. Zelig</u> , A. Bloch, A. Fasano, M. Plotnik. Split-arm swinging the effect of arm swinging manipulation on inter-limb coordination during walking. <u>Journal of Neurophysiology</u> , 118(2):1021-1033. doi: 10.1152/jn.00130.2017
B1-58.	Kizony, R, <u>Zelig, G</u> , Krasovsky, T, Bondi, M, Weiss, PL, Kodesh, E, Kafri, M Using virtual reality simulation to study navigation in a complex environment during a performance of a functional-cognitive task; a pilot study. <u>Journal of Vestibular Research.</u> ;27(1):39-47. doi: 10.3233/VES-170605, 2017
B1-59.	S. Nikolopoulos, P.C.Petrantonakis, K Georgiadis, F. Kalaganis, G. Liaros, I Lazarou, K Adam, A Papazoglou-Chalikias, E. Chatzilari, V.P.Oikonomou, C.Kumar, R Menges, S.Staab, D. Müller, K. Sengupta, S. Bostantjopoulou, Z. Katsarou, <u>G. Zelig</u> , M Plotnik, A Gotlieb, R. Kizoni, S. Fountoukidou, J. Hamg, D. Athanasiou, A. Mariakaki, D. Comanducci, E. Sabatini, W. Nistico, M. Plank, I. Kompatsiaris. A multimodal dataset for authoring and editing multimedia content: The MAMEM project. <u>Data in brief</u> , 15: 1048–1056, 2017
B1-60.	Gruener H, <u>Zelig G</u> , Laufer Y, Blumen N, Defrin R. Increased psychological distress among individuals with spinal cord injury is associated with central neuropathic pain rather than the injury characteristics. <u>Spinal Cord</u> , doi: 10.1038/s41393-017-0014-6. 2018

B1-61.	Kribus-Shimel L., <u>Zelig G.</u> , Sokolovsky B., Plotnik M. How many strides are required for a reliable estimation of temporal gait parameters? Implementation of a new algorithm on the phase coordination index. <u>PLoS ONE 13(2):e0192049, 2018</u>
B1-62.	Doniger G, Beeri - Schnaider M. Bahar-Fuch A. Gottlieb A, Tkachov A, Kenan H, Livny A, Bahat Y, Sharona H, Ben-Gala O, Cohen,M, <u>Zelig G.</u> , Plotnik M Virtual reality-based cognitive-motor training for middle-aged adults at high Alzheimer's disease risk: A randomized controlled trial <u>Alzheimer's & Dementia: Translational Research & Clinical Interventions</u> , 4: 118-129, <u>2018</u>
B1-63.	Givon Schahama N, <u>Zelig G.</u> , Weingarden H, Rand D. Game analysis and clinical use of the Xbox-Kinect for stroke rehabilitation. <u>International Journal of Rehabilitation Research</u> 2018, 41:323–330
B1-64.	Zwecker M, Sarova I, Lavie M, <u>Zelig G.</u> , Achiron A Detection of Cognitive Impairment in Multiple Sclerosis Based on P300Event-Related Potential. <u>Int J Phys Med Rehabil.</u> 6: 479., 2018
B1-65.	D. Cano Porras, P. Siemonsma, R. Inzelberg, <u>G. Zelig</u> , M. Plotnik. Advantages of virtual reality in the rehabilitation of balance and gait. <u>Neurology</u> , 29, 90 (22), 2018
B1-66.	Yakoby A, <u>Zelig G.</u> , Weingarden H, Weiss R, Rand D. Feasibility of, Adherence to, and Satisfaction With Video Game Versus Traditional Self-Training of the Upper Extremity in People With Chronic Stroke: A Pilot Randomized Controlled Trial. <u>AJOT</u> , 73 (1) DOI: 10.5014/ajot.2019.026799; 2019
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B1-69.	H. Gruener, G. Zeilig , E. Gaidukov, O. Rachamim-Katz, E. Ringler, N. Blumen, E. Engel-Haber, R. Defrin. Biomarkers for predicting central neuropathic pain occurrence and severity after spinal cord injury: results of a long-term longitudinal study. Pain , DOI: 10.1097/j.pain.0000000000001740 , 2019
B1-70.	E. Engel-Haber, I. Radomislensky A. Ziv, A. Catz, A.Ohry, I. Dudkiewicz, S. Noy, G. Zeilig . Establishing the Israeli Spinal Cord Rehabilitation Registry: From Acute Care to Rehabilitation. International Journal of Neurorehabilitation 6(4): 2019
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B1-72.	A. Bloch, M. Shaham, E. Vakil, S. Schwizer Ashkenazi, G. Zeilig . Examining Implicit Procedural Learning in Tetraplegia Using an Oculomotor Serial Reaction Time Task. PLoS ONE , 15(4), 2020
B1-73.	E. Engel-Haber, G. Zeilig , S. Haber, S. Kirshblum The Effect of Age and Injury Severity on Clinical Prediction Rules for Ambulation Among Individuals with Spinal Cord Injury The Spine Journal , 2020
B1-74.	U. Rosenblum, L. Kribus-Shmiel, G. Zeilig , Y. Bahat, S. Kimel-Naor, I. Melzer, M. Plotnik Novel methodology for assessing total recovery time in response to unexpected perturbations while walking PLoS ONE 15(6): e0233510. https://doi.org/10.1371/journal.pone.0233510 , 2020

B1-75.	M. Zwecker, E. Heled, V. Bluvstein, A. Catz, A. Bloch, G. Zeilig . Assessment of the unmediated relationship between neurological impairment and health-related quality of life following spinal cord injury. JSCM , 2020- https://doi.org/10.1080/10790268.2020.1788884
B1-76.	Y. Lahav, D. Levy, A. Ohry. G. Zeilig , M. Lahav, H. Golander, A. Chacham Guber, O. Uziel, R. Defrin Chronic Pain and Premature Aging – The Moderating Role of Physical Exercise J Pain , 2020
B1-77.	E. Heled, T. Keren, G. Zeilig Inferior cognitive abilities in individuals with chronic spinal cord JSCM , 2020, https://doi.org/10.1080/10790268.2020.1847564
B1-78.	D. Gilad, H. Goldblatt, G. Zeilig End-of-Life Conversation from Both Sides of the Bed: Voices of Patient, Family, and Staff. Disability and rehabilitation , 2020, https://doi.org/10.1080/09638288.2020.1849426
B1-79.	D. C. Porras; J. V. Jacobs; R. Inzelberg; Y. Bahat; G. Zeilig ; M. Plotnik Patterns of whole-body muscle activations following vertical perturbations during standing and walking Journal of NeuroEngineering and Rehabilitation , 2021
B1-80.	M. Kafri, P.L. Weiss, G. Zeilig , M. Bondi, I. Baum-Cohen and R. Kizony Performance in complex life situations: Effects of age, cognition, and walking speed in virtual versus real life environments Journal of NeuroEngineering and Rehabilitation ; 2021
B1-81.	E. Engel-Haber, I. Radomislensky, K. Peleg, M. Bodas, Israel Trauma Group, S. Noy, G Zeilig Early Trauma Predictors of Mobility in People with Spinal Cord Injury. Spine ; 2021

B1-82.	M. Plotnik , O. Ben-Gal, G. M. Doniger, A. Gottlieb , Y, Bahat, M. Cohen, S. Kimel-Naor, G. Zeilig , M. Schnaider Beeri . Multimodal immersive trail making – virtual reality paradigm to study cognitive-motor interactions. <u>Journal of NeuroEngineering and Rehabilitation</u> , 2021
B1-83.	M. Rivel, A. Achiron, M. Dolev, Y. Stern, G. Zeilig , R Defrin. Central neuropathic pain in multiple sclerosis is associated with impaired innocuous thermal pathways and neuronal hyperexcitability. <u>Pain Medicine</u> , 2021
B1-84.	R. Defrin, H. Gruener, E. Gaidukov, M. Bondi, O.Rachamim-Katz, E. Ringler, N. Blumen, G. Zeilig From acute to long-term alterations in pain processing and modulation after spinal cord injury: mechanisms related to chronification of central neuropathic pain <u>Pain</u> , 2021
B1-85.	M. Bondi , E Engel-Haber, J. Wolf, L. Grosman-Rimon, A. Bloch, G. Zeilig . Functional outcomes following inpatient rehabilitation of Guillain-Barré Syndrome patients: the effects of Intravenous Immunoglobulins versus Plasma Exchange. <u>Neurorehabilitation</u> , 2021
B1-86.	A. Catz, M. Itzkovich, K. Elkayam,.D. Michaeli, I. Gelerner, Y. Benjamini, H. S. Chhabra, L. Tesio, E. Engel-Haber, G.Zeilig , E. Bizzarini, C. Pilati, G. Del Popolo, I. Baroncini, N. Liu, P. Margalho, T. P. Soeira, B. Chandy, M. Joshi, J. F. Lemay, D. Curran, BA Hons, A.Schedin Leiulfsrud, L. Sørensen, F. Biering-Sorensen, N. Kesiktas, A. Osman, V. Bluvstein. RELIABILITY VALIDITY AND RESPONSIVENESS OF THE SPINAL CORD INDEPENDENCE MEASURE 4 TH VERSION IN A MULTICULTURAL SETUP <u>Arch. Phys Med Rehabil</u> , 2021
B1-87.	A. Benady, S. Zadik, G. Zeilig , S. Gilaie-Dotan, M. Plotnik. Gait speed modulations are proportional to grades of virtual visual slopes – a virtual reality study. <u>Frontiers in Neurology</u> , 2021

B1-88.	<p>Y. Lahav, A. Ohry, M. Lahav, D. Levy, G. Zeilig, S. Avidor, H. Golander, R Defrin Shorter telomeres among individuals with physical disability: The moderating role of perceived stress <u>Journal of Gerontology: Psychological Sciences, 2021</u></p>
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B.1. ARTICLES ACCEPTED/IN PRESS

B.1. ARTICLES SUBMITTED

B1-89.	<p>N. Ratzon, T. Starik, M. Huber, G. Zeilig Employment Barriers Questionnaire: Development and Assessment of Reliability and Validity Among People With Disabilities <u>European J of PM&R</u></p>
B1-90.	<p>R. Defrin, H. Gruener, E. Gaidukov, M. Bondi, O. Rachamim-Katz, E. Ringler N. Blumen, G. Zeilig Early insufficient pain inhibition as core mechanism in neuropathic pain emergence after spinal cord injury: Results of a longitudinal study <u>Pain</u></p>
B1-91.	<p>Catz et al. A. multi-center international study on the Spinal cord independence measure, version iv: Rasch psychometric validation. <u>Spinal cord</u></p>
B1-92.	<p>U. Rosenblum, I. Melzer, G. Zeilig, M. Plotnik. Muscle Activation Profile While Walking with Perturbations <u>Gait and posture</u></p>
B1-93.	<p>Michal Rivel, Anat Achiron, Mark Dolev, Yael Stern, Gabi Zeilig, Ruth Defrin Unique features of central neuropathic pain in multiple sclerosis: Results of a cluster Analysis <u>European journal of pain, 2021</u></p>

B.2. CASE REPORTS PUBLISHED

B2-1.	Ohry A, <u>Zelig G</u> , Shemesh Y. Acute intermittent arteriomesenteric occlusion of duodenum after use of Harrington spinal instrumentation: case report. <u>Paraplegia</u> , 26:350-354, 1988
B2-2.	Heim M, Ohry A, Brooks ME, <u>Zelig G</u> , Shemesh Y. Massive centrifugal multitrauma resulting in paralysis and limb loss: a report of four cases and discussion of the special problems in rehabilitation <u>Orthopedic Review</u> , 17:289-291, 1988.
B2-3.	Ohry A, Gur S, <u>Zelig G</u> Duplicate limbs' sensation in acute traumatic paraplegia <u>Paraplegia</u> , 27:257-260, 1989
B2-4.	Jamous MA, Silver JR, Ohry A, <u>Zelig G</u> Spinal cord injury associated with blunt traumatic rupture of the diaphragm <u>Injury</u> , 20:149-151, 1989
B2-5.	Ohry A, <u>Zelig G</u> Traumatic spinal cord injury followed by cerebrospinal fluid complications <u>Paraplegia</u> , 28:208-211, 1990
B2-6.	Ohry A, Azaria M, <u>Zelig G</u> Long term follow-up of patients with cauda equina syndrome due to intraspinal lipoma <u>Paraplegia</u> , 30:366-369, 1992
B2-7.	Bar-On Z, <u>Zelig G</u> , Blumen N, Ohry A, Azaria M Paraplegia following surgical correction of scoliosis with Cotrel-Dubousset instrumentation <u>Bulletin Hospital for Joint Diseases</u> , 54:32-34, 1995

B2-8.	Zwecker M, Iancu I, <u>Zeilig G</u> , Ohry A Camptocormia: a case of possible paraneoplastic aetiology <u>Clinical rehabilitation</u> 12:157-160, 1998
B2-9.	<u>Zeilig G</u> , Zwecker M, Blumen N, Heruti R, Ohry A Post-traumatic neurological pathologies <u>European Journal of Physical Medicine and Rehabilitation</u> , 8:24-26, 1998
B2-10.	Heim M, <u>Zeilig G</u> , Nadvorni H, Azaria M The changing needs of patients after primary rehabilitation: an overlooked entity <u>Disability and Rehabilitation</u> , 20:464-466, 1998
B2-11.	Zwecker M, Daich A, Blumen N, <u>Zeilig G</u> , Ohry A Slow ascending myelopathy, tetraplegia, carcinoma of the bladder and amyloidosis in a patient with ankylosing spondylitis <u>Spinal Cord</u> , 38:327-329, 2000
B2-12.	<u>Zeilig G</u> , Weingarten H, Laufer R, Brezner A, Navon A Terror and rehabilitation of two family members with spinal cord injury <u>Israel Medical Association Journal</u> , 4(7):563, 2002

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B2-13.	<u>Zeilig G</u> , Zwecker M, Weingarten H, Wolf M. Heterotopic ossification of the vocal cords after spinal cord injury. J Spinal Cord Med. 2007;30(5):518-20. (CLINICAL NEUROLOGY 122/185, IF 1.442, Q3)
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B2-13.	K Ozoilo, G Zeilig , M Levy, M Stein Paraplegia complicating embolization for bleeding intercostal artery in penetrating trauma Injury Extra 44 (8): 70–73, 2013 (Non IF)
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B.3. REVIEW ARTICLES**B.3. REVIEW ARTICLES PUBLISHED**

B3-1.	זיליג ג, עורי א הסתמונת ע"ש "גיאן-ברה": היבטים נירולוגיים ושיומיים הרפואה, 82-83:114 :1988 Zeilig G , Ohry A Guillain-Barré Syndrome: neurological and rehabilitation aspects Harefuah, 114:82-83, 1988
B3-2.	בר-און צ, זיליג ג, עורי א. היד הקואדריפלגית הרפואה, 357-359:124 :1993 Bar- On Z, Zeilig G, Ohry A The quadriplegic hand Harefuah, 124:357-359, 1993

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B3-3	Kalron A & Zeilig G. Efficacy of exercise intervention programs on cognition in people suffering from
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	multiple sclerosis, stroke and Parkinson's disease: A systematic review and meta-analysis of current evidence. NeuroRehabilitation, 37(2): 273-289, 2015
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C. CHAPTERS IN BOOKS

C-1.	<u>Zeilig G</u> , Knoller N, Zwecker M, Laufer R, Brezner A, Weingarden H. Rehabilitation of victims of terror Unique aspects of rehabilitation of spinal cord injuries in victims of terror In: J. Shemer and Y. Shoenfeld (eds) Terror and Medicine. Pabst Science Publishers, Lengerich, Germany. Pp. 481-490. 2003
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C-2.	Lehman AY, Stiens AS, <u>Zeilig G</u> , Rashbaum I. Cardiac rehabilitation: risk factor reduction, exercise resumption and lifestyle modification. In: O'Young BJ, Young MA, Stiens SA. (eds) Physical medicine and rehabilitation secrets. Mosby Elsevier, Philadelphia, PA, USA.Pp.551-556. 2007.
C-3.	<u>Zeilig G</u> . Acute spinal cord injury: pathophysiology, clinical and rehabilitation aspects. In: Ohry A.(ed) Principles of Rehabilitation Medicine. Dionon-Probook Ltd, Tel Aviv- Israel, 2011. Pp. 71-85, 2011.

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C-4	Brown D, Li J, Marshall R, Mikton C, New N, Officer A, Ohry A, Seirlis A, von Groote P, Wang D, Weerts E, Wee J, <u>Zeilig G</u>
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	Prevention of spinal cord injury In: International perspectives on Spinal Cord Injuries, WHO, 2013
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D.1. INVITED PAPERS IN SCIENTIFIC MEETINGS

D1-1.	<p><u>Zelig, G</u></p> <p>Rehabilitation in Israel</p> <p>Medical Grand Rounds, National Rehabilitation Hospital, Washington DC, USA, July 28, 1995</p>
D1-2.	<p><u>Zelig G, Dolgopiat M, Ohry A</u></p> <p>Inpatient rehabilitation of patients with severe Guillain Barré syndrome: a functional outcome and cost-effectiveness analysis. A preliminary report.</p> <p>The First Israel-Croatian Rehabilitation Conference, Varazdinske-Toplici, Croatia, 1998</p>
D1-3.	<p><u>Zelig G, Gavrielov R, Ohry A</u></p> <p>Upper limb injuries in patients with acute traumatic spinal cord injury.</p> <p>The First Israel-Croatian Rehabilitation Conference, Varazdinske-Toplici, Croatia, 1998</p>
D1-4.	<p><u>Zelig G</u></p> <p>Autologous activated macrophages- a novel therapy for acute complete spinal cord injury</p> <p>The 5th National congress with international participation.</p> <p>Bucharest, Romania. 13-16 April, 2004.</p>

Since last promotion -----

D1-5.	<p><u>Zelig G.</u></p> <p>Applied advanced technologies for rehabilitation</p>
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	The 8 th Congress of Rehabilitation International Child ORITEL 2008, Technology for Rehabilitation, Mexico City, Mexico, 14-16 August, 2008 (Invited Plenary Talk)
D1-6.	<u>Zelig G.</u> ReWalk: a new approach to restore gait function in SCI. The 7th International Symposium on Experimental Spinal Cord Repair and Regeneration. Brescia, Italy, 17-21 February, 2009 (Invited Oral)
D1-7.	<u>Zelig G</u> Robotics for upper limbs: old and new – training and functioning. Scientific seminar on new technologies for rehabilitation, prosthesis & surgery 14 - 15 June, Milano, Italy, 2011 (Invited Oral)

Since last promotion -----

D1-8.	<u>Zelig G.</u> Neuroplasticity and Neurorehabilitation – the way to singularity? The 35th National Conference of Romanian Society of PM&R, October 24-26, 2012, Poiana Brasov, Romania (Invited Oral)
D1-9	<u>Zelig G.</u> The hemiplegic shoulder- evidences for neuropathic pain. The 35th National Conference of Romanian Society of PM&R, October 24-26, 2012, Poiana Brasov, Romania (Invited Oral)

D1-10	<p><u>Zelig G.</u></p> <p>Cardiac-respiratory responses to robotic training in individuals with chronic, motor complete high spinal cord injury.</p> <p>7th World Congress of International Society of Physical and Rehabilitation Medicine.</p> <p>June 16-20, 2013, Beijing, China</p> <p>(Invited Oral)</p>
D1-11	<p><u>Zelig G.</u></p> <p>Moderator: Gamification / Healthcare IT at Rehabilitation. Inspiring world of orthopaedic and neurological fine-tuned rehabilitation to the individual improve treatment results in the specialized center and at home.</p> <p>Healthcare Innovation Day: Healthcare Solutions for an Ageing Society. An innovative approach to support healthy ageing</p> <p>Amsterdam, The Netherlands, 10 June, 2014</p>
D1-12	<p><u>Zelig G.</u></p> <p>Technology, brain plasticity and neuro-rehabilitation: the way to singularity?</p> <p>REBRUM, CORPUS ANIMAMQUE HOMINIS DIRIGIT?“ 9th Pfeiffer´s Days</p> <p>Department of Rehabilitation Medicine, 1st Medical Faculty, Charles University in Prague</p> <p>Prague, Czech Republic, 19 june , 2016</p>
D1-13	<p><u>Zelig G.</u></p> <p>Robotic's role in Medicine.</p> <p>IATI Biomed.15th National Life Sciences & Technology.</p> <p>Tel Aviv, Israel, 24-26 May, 2016</p>

D.2. PAPERS PRESENTED AT SCIENTIFIC MEETINGS, AND ABSTRACTS

D2-1.	<u>Zelig G</u> , Shemesh Y, Blumen N, Ohry A Rehabilitation of the patient with Guillain-Barre Syndrome Society of Physical Medicine and Rehabilitation in Israel, Jerusalem, 1986
D2-2.	<u>Zelig G</u> , Ohry A, Shemesh Y, Bar-On Z, Blumen N, Brooks ME The rehabilitation of patients with severe Guillain-Barre Syndrome International Medical Society of Paraplegia, Stoke Mandeville, England, 1987
D2-3.	Ohry A, Berezin M, Shemesh Y, <u>Zelig G</u> , Brooks ME. Hyperprolactinemia, galactorrhea, and amenorrhea in spinal cord injured women International Medical Society of Paraplegia, Stoke Mandeville, England, 1987 <u>Journal of Endocrinological Invest</u> , 11 (Suppl 1):77, 1988
D2-4.	<u>Zelig G</u> , Gur S, Ohry A Cunning duplicate in mind 14 th World Congress of the Israeli Medical Association, Jerusalem, 1988
D2-5.	<u>Zelig G</u> , Heim M, Nadvorna H, Azaria M Sacroiliitis: a rare case report Society of Physical Medicine and Rehabilitation in Israel, Tel Aviv, 1989
D2-6.	<u>Zelig G</u> , Heim M, Nadvorna H, Azaria M. Quadruple amputee: 40 years of follow-up. Society of Physical Medicine and Rehabilitation in Israel, Raanana, 1990
D2-7.	<u>Zelig G</u> , Bar-On Z, Brooks ME, Ohry A Long term follow-up (1948-1991) of spinal cord injured patients Society of Physical Medicine and Rehabilitation in Israel, Tel Hashomer, 1991
D2-8.	Ohry A, <u>Zelig G</u> Long term follow-up of patients with Cauda Equina Syndrome due to intraspinal lipoma Society of Physical Medicine and Rehabilitation in Israel, Tel Hashomer, 1991
D2-9.	Bar-On Z, <u>Zelig G</u> , Blumen N, Ohry A Acute abdomen in spinal cord injured patients - diagnosis and pitfalls Society of Physical Medicine and Rehabilitation in Israel, Jerusalem, 1992

D2-10.	Madgyar Y, Heruti R, <u>Zelig G</u> Infertility in spinal cord injured patients: our experience. The World Congress of the Israeli Medical Association, Jerusalem, Israel
D2-11.	Drubach D.A, Zeilig G, Perez J.C, Peralta L, Makley M Treatment of Abulia with Carbidopa/Levodopa compound 1st International Congress on Neurorehabilitation, Minneapolis, USA, 1994. Journal of Neurological Rehabilitation, 8 (Suppl) :89, 1994
D2-12.	Perez JC, Zeilig G, Taragano FE, Drubach DA Efficacy and efficiency in rehabilitation among age groups 1st International Congress on Neurorehabilitation, Minneapolis, USA, 1994 Journal of Neurological Rehabilitation, 8 (Suppl) :89, 1994
D2-13.	Zelig G, Drubach DA, Taragano FE, Kelly MP, Perez JC Characteristics and risk factors for traumatic brain injury among age groups 1st International Congress on Neurorehabilitation, Minneapolis, USA, 1994 Journal of Neurological Rehabilitation, 8 (Suppl) :89, 1994
D2-14.	Burenstein R, Zeilig G, Royburt M, Ohry A, Epstein Y Insulin resistance in paraplegics- effect of one bout of acute exercise Medicine and Science in Sports and Exercise, 26 (Suppl):5, 1994
D2-15.	Zelig G, Cotto-Cumba C, Myers RAM Application of Hyperbaric Oxygen Therapy in rehabilitation of spinal cord injured patients 2nd International Congress on Neurorehabilitation, Washington, DC, USA, 1995. Journal of Neurological Rehabilitation, 8 (Suppl) :89, 1995
D2-16.	Zelig G, Celnik P, Santini P, Perez JC, Wagner J, Reynolds G, Drubach DA Metastatic and traumatic spinal cord injury 2nd International Congress on Neurorehabilitation, Washington, DC, USA, 1995. Journal of Neurological Rehabilitation, 8 (Suppl) :89, 1995

D2-17.	Drubach DA, Perez JC, Kelly MP, Celnik P, Zeilig G, Makley M, Taragano FE Incidence and characteristics of high velocity and low velocity traumatic brain injury 2nd International Congress on Neurorehabilitation, Washington, DC,, USA, 1995. Journal of Neurological Rehabilitation, 8 (Suppl) :89, 1995
D2-18.	Kelly MP, Zeilig G, Perez JC, Celnik P, Drubach DA, Knoller N, Winslow M Traumatic brain injury outcome 2nd International Congress on Neurorehabilitation, Washington, DC,, USA, 1995. Journal of Neurological Rehabilitation, 8 (Suppl) :89, 1995
D2-19.	Makley M, Zeilig G, Celnik P, Drubach DA, Taragano FE, Kelly MP, Perez JC. Violent and non-violent traumatic brain injury 2nd International Congress on Neurorehabilitation, Washington, DC, USA, 1995. Journal of Neurological Rehabilitation, 8 (Suppl) :89, 1995
D2-20.	Perez JC, Kelly MP, Drubach DA, Zeilig G, Makley M, Celnik P. Differences in risk factor profile between male and female admissions to acute rehabilitation for closed traumatic brain injury 2nd International Congress on Neurorehabilitation, Washington, DC, USA, 1995. Journal of Neurological Rehabilitation, 8 (Suppl) :89, 1995
D2-21.	Heruti R, Madjar I, Weisenberg R, Menashe Y, Blumen N, Zeilig G, Ohry A. Our experience with electroejaculation and fertility in spinal cord injured patients. International Medical Society of Paraplegia, Limassol, Cyprus,1995.
D2-22.	Zeilig G, Celnik P, Santini P, Perez J, Wagner G, Reynolds G, Drubach DA Metastatic (MSCI) and traumatic spinal cord injury (TSCI) Journal of Neurological Rehabilitation, 8 (Suppl) :89, 1995
D2-23.	Kelly M, Zeilig G, Perez JC, Celnik P, Drubach DA, Knoller N, Winslow M Toxicology and TBI outcome. Journal of Neurological Rehabilitation, 9, No. 2, Special focus issue, p. 133, 1995
D2-24.	Achiron A, Zeilig G, Blumen N, Heruti R, Ohry A Multiple Sclerosis: Comprehensive approach for treatment and rehabilitation - the Tel Hashomer model

	The First Mediterranean Congress of Physical Medicine and Rehabilitation, Herzliya, Israel, 1996
D2-25.	Siev-Ner I, Zeilig G, Azaria M, Ohry A The integration of Complementary Medicine in Rehabilitation The First Mediterranean Congress of Physical Medicine and Rehabilitation, Herzliya, Israel, 1996
D2-26.	Siev-Ner I, Zwas ST, Goshen E, Heim M, Zeilig G, Azaria M. The role of Bone Scan in screening for stress related skeletal injuries in dancers The First Mediterranean Congress of Physical Medicine and Rehabilitation, Herzliya, Israel, 1996
D2-27.	Zeilig G, Ohry A, Blumen N, Heruti R, Zwecker M, Dolgopiat M Comprehensive Spinal Cord Injury rehabilitation: the Israeli Model The First Mediterranean Congress of Physical Medicine and Rehabilitation, Herzliya, Israel, 1996
D2-28.	Heruti R, Zeilig G, Weingarten H, Blumen N, Ohry A Complications and Misdiagnosis in Acute Spinal Cord Injured patients Scientific Annual Meeting of International Medical Society of Paraplegia, Innsbruck, Austria, 1997
D2-29.	Zeilig G, Dolgopiat M, Blumen N, Heruti R, Ohry A Long term morbidity and mortality after Spinal Cord Injury- 49 years of follow-up Scandinavian Medical Society of paraplegia- Annual meeting, Reykjavik, Iceland, 4-6 September 1997
D2-30.	Zeilig G, Dolgopiat M, Ohry A Inpatient rehabilitation of patients with severe Guillain Barré syndrome: a functional outcome and cost-effectiveness analysis. A preliminary report. The First Israel-Croatian Rehabilitation Conference, Varazdinske-Toplici, Croatia, 1998
D2-31.	Zeilig G, Gavrielov R, Ohry A Upper limb injuries in patients with acute traumatic spinal cord injury.

	The First Israel-Croatian Rehabilitation Conference, Varazdinske-Toplici, Croatia, 1998
D2-32.	Zeilig G, Dolev M, Weingarden HP, Blumen N, Shemesh Y, Ohry A Long-term morbidity and mortality after spinal cord injury: 50 years of follow-up Scientific Annual Meeting of International Medical Society of Paraplegia, Copenhagen, Denmark, 1999
D2-33.	G. Zeilig, M. Dolev, Y. Shemesh, N. Blumen, A Ohry, H. Weingarden Rehabilitation of patients with severe Guillain-Barre Syndrome-does the functional outcome justify prolonged rehabilitation hospitalization? 1st World Congress of the International Society of Physical and Rehabilitation Medicine, Amsterdam, Netherlands, 2001
D2-34.	Zeilig G, I. Friedman, M. Chen, D. Nizani, S. Liraz, E. Kodesh, A. Achiron Computerized gait analysis in patients with multiple sclerosis 1st World Congress of the International Society of Physical and Rehabilitation Medicine, Amsterdam, Netherlands, 2001
D2-35.	Zeilig G, Knoller N, Hadani M, Rappaport HZ, Attias J, Fulga V Autologous activated macrophages- a novel therapy for acute complete spinal cord injury 40th Scientific Annual Meeting of International Medical Society of Paraplegia, Nottwil, Switzerland, 2001
D2-36.	Zeilig G, Miterani D, Shemesh Y, Weingarden HP, Calmanovici L What's wrong veteran? Needs, complaints and risk factors for medical deterioration among very disabled veterans 4th Mediterranean Congress of Physical and Rehabilitation Medicine, Siracusa, Italy, June 25-28, p. 161, 2002
D2-37.	Zeilig G, Keren-Yaar A., Ohry A, Weingarden H., Drori Y Cardiovascular disease and risk factors among individuals with chronic spinal cord injury 43rd ISCoS Annual Scientific Meeting, Athens, Greece, September 23-26, 2004

D2-38.	Zeilig G, Keren-Yaar A., Ohry A, Weingarden H., Drori Y (Oral presentation) Coronary heart disease, risk factors and correlation with the neurological level of injury among chronic spinal cord injured individuals. 3rd World Congress of the International Society of PMN&R, San Paolo, Brazil, April 10th – 15th, 2005
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D2-39.	<u>Zeilig G</u> , Rubin-Asher, Ratner A., Asher I., Zivelin A., Seligson U., Lubetsky A. Thrombophilia is associated with failure of heparin to prevent venous thromboembolism (VTE) in patients with acute traumatic spinal cord injury (ATSCI). 46 th ISCoS Annual Scientific Meeting, Reykjavik, Iceland, 27-30 June, 2007 (Oral presentation)
D2-40.	<u>Zeilig G</u> A Study Testing Safety and Tolerance of the ReWalk Exoskeleton Suit for people with complete SCI. 47 th ISCoS Annual Scientific Meeting, Durban, South Africa, 1-3 September, 2008 (Oral presentation)
D2-41.	<u>Zeilig G</u> Crossed-inhibitory pathways suppress contralateral myoclonic bursting in persons with spinal cord injury. 5 st World Congress of the International Society of Physical and Rehabilitation Medicine, Istanbul, Turkey, June 13-17, 2009 (Poster)
D2-42.	<u>Zeilig G</u> Prospective Double Blind Randomized Evaluation of Non-Healing Wounds with Exposed Bones and Tendons Treated with Charged Polystrene Microspheres. The Symposium on Advanced Wound Care, Orlando, Florida USA, 2010. (Oral presentation)
D2-43.	<u>Zeilig G</u> . Robotics for upper limbs: old and new – training and functioning.

	Scientific seminar on new technologies for rehabilitation, prosthesis & surgery 14 - 15 June, Milano, Italy, 2011 (Invited Oral)
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D2-44	<u>Zelig G.</u> Robotics for upper limbs: old and new – training and functioning. Scientific seminar on new technologies for rehabilitation, prosthesis & surgery 14 - 15 June, Milano, Italy, 2011 (Invited Oral)
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Since last promotion -----

D2-45	<u>Zelig G.</u> Neuroplasticity and Neurorehabilitation – the way to singularity? The 35th National Conference of Romanian Society of PM&R, October 24-26, 2012, Poiana Brasov, Romania (Invited Oral)
D2-46	<u>Zelig G.</u> The hemiplegic shoulder- evidences for neuropathic pain. The 35th National Conference of Romanian Society of PM&R, October 24-26, 2012, Poiana Brasov, Romania (Invited Oral)
D2-47	<u>Zelig G.</u> Cardiac-respiratory responses to robotic training in individuals with chronic, motor complete, high spinal cord injury. 7th World Congress of International Society of Physical and Rehabilitation Medicine. June 16-20, 2013, Beijing, China

	(Invited Oral)
D2-48	<p>D. Yafit, A. Achiron, M. Dolev, Y. Siev-Ner, <u>G. Zeilig</u>, U. Givon. Characteristics of stiff knee gait in patients with multiple sclerosis. 29th Congress of the European Committee for Research and Treatment in Multiple Sclerosis and 18th Annual Conference of Rehabilitation in MS. Copenhagen, Denmark, October 4th, 2013 (Poster)</p>
D2-49	<p>P. Weiss, R Kizony, S Harel, M Chared, O Elion, Y Feldman, <u>G Zeilig</u>, A Obohov, M Shani. Documenting Service Delivery Feasibility of an Online Tele-Motor-Rehabilitation Intervention for Acquired Brain Injury. <i>Archives of Physical Medicine and Rehabilitation</i>, 96(10): e5–e6, 2015</p>

D.3. PAPERS PRESENTED AT SCIENTIFIC MEETINGS, PUBLISHED AS PROCEEDINGS

D3-1.	<p>Ohry A, Yaari A, <u>Zelig G</u>, Adunski R, Bitton Y, Tamir J Decubitus direct current treatment of pressure ulcers Proceedings of the 8th congress of European federation for research in rehabilitation Ljubljana 13-17 June, 2004 <u>International Journal of Rehabilitation Research</u>. p.127</p>
D3-2.	<p>Givon U, Siev-Ner Y, <u>Zelig G</u>, Noy S. A motion analysis laboratory choosing process – a multidisciplinary approach. Proceedings of the 14th annual meeting of the European Society of Movement analysis of adults and children, Barcelona, Spain, September 2005</p>

	<u>Gait & posture</u> , Sept. 2005, (supplement)

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D3-3	D Rand, N Givon, <u>G Zeilig</u> , A Nota, H Weingarden Counting repetitions of upper extremity movements while playing video games compared to traditional therapy; implications for stroke rehabilitation <i>Proc. 9th Intl Conf. on Disability, Virtual Reality and Assoc. Technologies</i> , P M Sharkey, E Klinger (Eds), pp. 487-490, Laval, France, 10 - 12 Sept. 2012.
D3-4	<u>Zelig G.</u> Cardiac-respiratory responses to robotic training in individuals with chronic, motor complete, high spinal cord injury. <i>Proc. 7th World Congress of International Society of Physical and Rehabilitation Medicine</i> . June 16-20, 2013, Beijing, China. <u>Journal of Rehabilitation Medicine</u> , June 2013, (supplement)
D3-5	D. Rand, M.T Schejter, I. Dudkiewicz, R. Kizony, <u>G. Zeilig</u> . The use of the iPad for poststroke hand rehabilitation; A pilot study. <u>Conference of Virtual Rehabilitation ; Philadelphia (ICVR), PA, USA, 2013</u> <u>IEEE doi10.1109/ICVR.2013.6662068</u> pps 109-113
D3-6	D Rand, A Yacoby, R Weiss, S Reif, R Malka, H Weingarden, <u>G Zeilig</u> Home-based self-training using video-games: preliminary data from a randomised controlled trial <u>Proceeding at 11th International Conference on Virtual Rehabilitation (ICVR 2015), Valencia, Spain, 2015</u> <u>IEEE, DOI:10.1109/ICVR.2015.7358588</u> , pps 86-91
D3-7	Kizony R, Harel, S., Elion, O., Weiss, P L, Feldman, Y, Shani, M, Obuhov, A., <u>Zelig, G.</u>

	<p>Tele-rehabilitation service delivery: Journey from prototype to robust in-home use.</p> <p>Proceeding at 11th International Conference on Virtual Rehabilitation (ICVR 2015), Valencia, Spain, 2015</p> <p>IEEE, DOI: 10.1109/ICVR.2015.7358590 pps:178-182</p>
D3-8	<p><u>Zeilig, G.</u> ; Weingarten, H. ; Obuchov, A. ; Bloch, A. ; Gaides, M. ; Reuveny, R. ; Ben-Dov, I.</p> <p>Lokomat walking results in increased metabolic markers in individuals with high spinal cord injury.</p> <p>Proceeding at 11th International Conference on Virtual Rehabilitation (ICVR 2015), Valencia, Spain, 2015</p> <p>IEEE, DOI: 10.1109/ICVR.2015.7358604 pps: 119-120</p>
D3-9	<p>Kizony, R ; Bahat, Y ; Weiss, P L ; Kizony, R ; Baum-Cohen, I ; Mintz, I ; Kafri, M ; Kodesh, E ; <u>Zeilig, G</u> ; Bondi, M ; Baum-Cohen, I.</p> <p>A multi-dimensional approach to evaluate performance of complex daily activities of older adults in a simulated mall.</p> <p>Proceeding at 11th International Conference on Virtual Rehabilitation (ICVR 2015), Valencia, Spain, 2015</p> <p>IEEE, DOI:10.1109/ICVR.2015.7358610, pps 129-130</p>

G. OTHER PUBLICATIONS, LETTERS TO EDITORS

G-1.	<p>הימם, עורי א, <u>זיליג ג</u>, גור ש.</p> <p>שיקום של נפגעי חות השדרה מפאת תאונות אויר או צנichות.</p> <p>ב: א. עורי (עורך).</p> <p>פרקם בשיקום נפגעי חות שדרה.</p> <p>הוצאה לאור "speed print", ירושלים. 1995, 110-112.</p> <p>Heim M, Ohry A, <u>Zeilig G</u>, Gur S.</p> <p>Spinal cord injuries caused by aviation accidents.</p> <p>In: A. Ohry (ed).</p> <p>Chapters in rehabilitation of spinal cord injuries.</p> <p>"Speed print" publisher. Jerusalem. 110-112. 1995.</p>
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G-2.	<p>בר און צ, <u>זיליג ג</u>, עורי א. היבטים תפקודיים, שיקומיים וכירורגיים של הגוף העליון בטטרפלגיה. ב: א. עורי (עורך). פרקים בשיקום נפגעי חוט שדרה. הוצאה לאור "ספרט פרינט", ירושלים. 1995, 113-117.</p> <p>Bar-On Zevia, <u>Zelig G</u>, Ohry A. Functional, rehabilitative and surgical aspects of the upper limb in tetraplegics. In: A. Ohry (ed). Chapters in rehabilitation of spinal cord injuries. "Speed print" publisher. Jerusalem. 113-117. 1995.</p>
G-3.	<p><u>זיליג ג</u>, עורי א. התסמנות ע"ש "גייאן-ברה": היבטים נירולוגיים ושיקומיים ב: א. עורי (עורך). פרקים בשיקום נפגעי חוט שדרה. הוצאה לאור "ספרט פרינט", ירושלים. 1995, 153-154.</p> <p><u>Zelig G</u> , Ohry A Guillain-Barré Syndrome: neurological and rehabilitation aspects. In: A. Ohry (ed). Chapters in rehabilitation of spinal cord injuries. "Speed print" publisher. Jerusalem. 153-154. 1995.</p>
G-4.	<p>Ohry A, Weingarden H, <u>Zelig G</u> Peculiar methods to relieve pain and spasticity after spinal cord injury <u>Pain Research And Management</u> 1 (1):14, 1996 (Letter)</p>
G-5.	<p>ורי א, <u>זיליג ג</u>. פעילות גופנית בחולים עם טרשת נפוצה - האם רצוי הדבר? <u>הרפואה</u>, 1996, 130:685</p> <p>Ohry A, <u>Zelig G</u> Physical exercise in patients with Multiple Sclerosis. Is it Recommended? <u>Harefuah</u>, 130:683, 1996</p>

G-6.	<p><u>עורי א, זיליג ג.</u></p> <p>האם גם הרפואה השיקומית הולכת לכיוון של טכנולוגית-יתר ?</p> <p><u>הרפואה, 1999 ,136:582,</u> 1999</p> <p>Ohry A, <u>Zelig G</u></p> <p>Is rehabilitation medicine moving towards over-technology?</p> <p><u>Harefuah, 130:582, 1999</u></p>
G-7.	<p><u>עורי א. זיליג ג.</u></p> <p>השיקום הנירולוגי בקרב נפגעי טראומה.</p> <p>ב: י. שמר, ו. בראל.</p> <p>היפגעות בישראל.</p> <p>הוצאת ספרים ע"ש י"ל מאוננס, האוניברסיטה העברית, ירושלים, פרק 12(7), עמ. 293-295, 2002.</p> <p>Ohry A, <u>Zelig G</u></p> <p>Neurological rehabilitation among the trauma injured population</p> <p>In: J. Shemer, V. Barel. (A. Leiber ed)</p> <p>Injury in Israel.</p> <p>The Hebrew University Magnes Press, Jerusalem 293-295, 12(7), 2002.</p>
G-8.	<p>Zwecker M, <u>Zelig G</u>, Ohry A</p> <p>Professor Heinrich Sebastian Frenkel: a forgotten founder of Rehabilitation Medicine</p> <p><u>Spinal Cord, 40.</u> 2003</p>
G-9.	<p><u>בלומן נ, זיליג ג.</u></p> <p>שלפוחית נוירופתית – אתגר טיפולית ברפואת השיקום.</p> <p>ב: <u>עורי א. (עורך)</u></p> <p>רפואת שיקום- פרקים נבחרים</p> <p><u>אאורורה- פרסומים רפואיים עמ' 21-25</u>, 2004, 21-25</p> <p>Blumen N, <u>Zelig G</u></p> <p>Neuropathic bladder – A treatment challenge in rehabilitation</p> <p>In: Ohry A (ed.)</p> <p>Rehabilitation Medicine- elected chapters.</p> <p><u>Aurora, 21-25, 2004</u></p>

G-10.	<p style="text-align: right;">אשר ד. וינגרדן צ, זיליג ג. רובוטיקה בשיקום-מציאות או דמיון ב: עורי א. (עורך) רפואה שיקום- פרקים נבחרים <u>אאורורה- פרסומים רפואיים עמ' 50-52</u> 2004 ,50-52</p> <p>Asher D, Weingarden H, <u>Zelig G</u> Robots in rehabilitation – reality or imagination? In: Ohry A (ed.) Rehabilitation Medicine- elected chapters <u>Aurora</u>, 50-52, 2004</p>
G-11.	<p><u>Zelig G</u> and Guibert R TerraQuant device for shoulder pain: double-blind placebo-controlled trial. <u>Positive Health</u>, 113:24-25, 2005</p>
G-12.	<p>Adunski A, Ohry A , the DDCT group. Decubitus direct current treatment (DDCT) of pressure ulcers: Results of a randomized double-blinded placebo controlled study. <u>Archives of Gerontology and Geriatrics</u> 41: 261–269, 2005</p>

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G-13.	<p>Ohry A., <u>Zelig G</u>. Esophageal carcinoma in patients with spinal cord diseases: a report on two cases and one patho-physiological hypothesis. <u>Prog Health Sci</u>; 1(2) ,2011</p>
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G-14.	<p><u>G. Zelig</u>, M. Rivel, H. Weingarden, E. Gaidoukov, R. Defrin. Evidence of a neuropathic origin in hemiplegic shoulder pain/ (letter to the editor) <u>PAIN</u> (2013), doi: http://dx.doi.org/10.1016/j.pain.2013.03.012</p>
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G-15	K Ozoilo, G Zeilig , M Levy, M Stein Corrigendum to “Paraplegia complicating embolization for bleeding intercostal artery in penetrating trauma”[Injury Extra 44 (8) (2013) 70–73] Injury Extra 44: 81, 2013
G-16	G Zeilig , AD Shiller Advanced Technology to Enhance Rehabilitation Outcomes: Parkinson’s Disease. Int J Neurorehabilitation 3: e124. doi:10.4172/2376-0281.1000e124, 2016
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