

CURRICULUM VITAE

1. **Personal Details**

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2. **Higher Education**

a. **Undergraduate and Graduate Studies**

Period of Study	Name of Institution and Department	Degree
1977-1980	Wingate Institute	Physical Therapy (LPT)
1987-1988	Tel Aviv University	Bachelor Physical Therapy (BPT)
1989-1993	Technion, Haifa	Medical Sciences Doctor of Sciences (DSc)

b. **Post-Doctoral Studies**

3. **Academic Ranks and Tenure in Institutes of Higher Education**

Period of Study	Name of Institution, and Department/Lab	Name of Host
1993-1994	University of Florida, Department of Health Education and Behavior	Prof. Stopka B. Christine
2005	University of Florida, Depart. of Exercise Physiology	Prof. Scott Powers
2011	IDI-Rome, Italy Laboratory of Tissue Engineering	Prof. Korkina Liudmila

Years	Name of Institution and Department	Rank/Position
1993-1996	University of Florida, Gainesville Physical Therapy	Visiting Lecturer
1996-1998	Nova Southeastern University Physical Therapy	Associate Professor
1998-2000	Tel Aviv University Physical Therapy	Visiting Lecturer
2000 – 2002	Tel Aviv University Physical Therapy	Lecturer
2002 – 2008	Tel Aviv University Physical Therapy	Senior Lecturer with tenure
2008 – 2012	Tel Aviv University Physical Therapy	Associate Professor
6/2012- today	University of Haifa Physical Therapy	Associate Professor

*Represent activities and publications since last appointment to Associate Professor, June, 2012

4. **Offices in Academic Administration**

Years	Name of Institution and Department	Role
2004-2008	PT Department, Tel Aviv University	Chairperson
*2013-2016	The MSc degree curriculum program at the PT Department, University of Haifa	Chairperson
*2016-today	PT Department, University of Haifa	Chairperson
1998-2002	The Inter-Departmental Committee of Allied Health Professions on Teaching and Learning Strategy, Tel Aviv University, (TAU)	Member
2000-2012	The Teaching Committee of Master PT program, TAU	Member
2000-2012	The Student Faculty of Medicine Committee, TAU	Member
2002-2012	The Inter-Departmental Committee of Allied Health Professions on Psychiatric Rehabilitation in the Community, TAU	Member
2003-2012	The Scholarship Committee, Allied Health Profession, TAU	Member
2003-2012	The "School Mooazha" of the Allied Health Professions, TAU	Member
2011	The "Final Projects" MD students of Sackler Faculty of Medicine, TAU	Member

5. Scholarly Positions, Activities outside the University

Years	Memberships in Academic Professional Associations
1998-2006	Member of The Israel Gerontology Society
2001	Chairman of The Interdisciplinary Committee of Ministry of Health to recognition the protocol of our patients clinic
2001	Member of The Mental Retardation and Balance Intervention Program Committee of Ministry of Labor and Welfare
2002-today	Member of The Israel Physiotherapy Society
2001-2006	Chairman of The Biology Section, Israel Gerontology Society
2004-2006	Member of The Rehabilitation and Prevention Committee, Health Ministry
2005-2013	Vice chairman of The Nutritional Problems in Handicaps, The National Council for Rehabilitation, Ministry of Health, State of Israel
2005-2012	Member of The Secondary and Tertiary Prevention of Disability and Handicap, The National Council for Rehabilitation, Ministry of Health , State of Israel
2007	Group leader at The Self-Evaluation Report” for the “High Council of Education”.
2006-2012	Member of The Israel Society for Oxygen and Free Radicals
2007-2009	Treasurer and Secretary of The Israel Society for Oxygen and Free Radicals
2007-2009	Member of The Division of Geriatrics, Geriatric Rehabilitation Committee, Ministry of Health, State of Israel
2008-2012	Chairman of The PT National Board Exam Committee
2009	Committee member accompanies (Higher Education Council) to open the program "graduate physical therapy" Safed College.
2010	Member of the Advisory Rehabilitation Committee to the Ministry of Health.
2010- today	Committee member of The Specialist PT, Ministry of Health and Israel Physical Therapy Association

*2015-today	Member of The Supreme Council for Wingate College, The Zinman College for Physical Education.
*2015	Committee member accompanies (by the Council for Higher Education of Judea and Samaria) to open a "Master in Physiotherapy" Ariel University.
*2017-today	Member of the Ageing Center, University of Haifa.
*2018	Chairman of the External Evaluation Committee of MSc in Neurorehabilitation of the Cyprus University of Technology, and University of Nicosia. May 2018
*2018	Chairman of the External Evaluation Committee of MSc in Neurorehabilitation of the Cyprus University of Technology, and University of Nicosia. May 2018
Years	Activities for the Community
2016-today	Chairman of the Israeli Association for Family Caregivers
2018-today	Member of the Board of Directors and Board of Directors of the Zichron Yaakov "Matenas" Company (appointment of the Ministry of the Interior).
Years	Editorial Assignments
1998-2006	Board member of the <i>Israel Journal of Gerontology</i>
1999-2006	Board member of the <i>Journal of Israel Physiotherapy Society</i> (Hebrew)
2000-2006	Editor-in-Chief of <i>Journal of Israel Physical Therapy</i>
2003-today	Board member of The Child and Human Development – <i>The Scientific World Journal</i>
2007	Editor to the Special Issue "Geriatric Physical Therapy": <i>Gerontology-Journal of Aging Studies</i>
2009-today	Board member of <i>The International Journal of Therapy and Rehabilitation</i> (IJTR)
2010-2017	Board member of the <i>Isokinetics and Exercise Science</i>
*2013-today	Board member of the <i>Journal of Israel Physiotherapy Society</i>
*2013-today	Board member of the <i>Journal of Aging Science</i>
*2014-today	Board member of the <i>Frontiers in Public Health</i>
Years	Reviewing for Refereed Journal
*2009- 2017	<i>International Journal of Therapy and Rehabilitation</i>

*2013-today	<i>Frontier in Public Health</i>
*2013-today	<i>Journal of Aging Science</i>
*2015-2016	<i>Adapted Physical Activity Quarterly</i>
*2015- today	<i>International Journal of Developmental Disabilities</i>
*2016	<i>Journal of Cachexia, Sarcopenia and Muscle</i>
*2016- 2017	<i>Journal of Physical Activity and Health</i>
*2019	<i>International Journal of Adolescent Medicine and Health</i>
Years	Reviewing for Fund Agencies
*2014	Israel Science Foundation (ISF)
*2015	Germany Israel Foundation (GIF)
*2015	National Institute of Health Services Research and Health Policy, Israel

6. Active Participation in Scholarly Conferences

A1. International Conferences –Held Abroad

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
Aug. 21, 1995	National Health Care Conference for Rehab Aides	Ocala, Florida	The function of physical therapist aide with elderly people in skilled nursing facility	Speaker
Aug. 1- 6, 2000	International Association for the Scientific Study of Intellectual Disabilities	Seattle, USA	A comparative of clinical characteristics of aging adults with and without mental retardation.	Speaker
July 24-28, 2001	6 th Annual Congress of the European of sport science	Cologne, Germany	Muscle recovery after immobilization: old vs. young rats.	Speaker
May 31-June 2 nd , 2002	The 2 nd National Conference of	Gdansk, Poland	Aging, balance and exercise	Key note speaker

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
	Medical aspects of Aging			
July 2002	The General Meeting of The European Region of the World Confederation for Physical Therapy (WCPT).	Hungary, Budapest	International PT-Policy	Representative of the Israel Government
July 9-12, 2003	The 8 th Annual Congress of European College of Sport Science	Salzburg, Austria	The expression of MMP-2 and SOD in skeletal muscle: exercise vs immobilization	Speaker
July 13-17, 2004	The 8 th Congress of European Federation for Research in Rehabilitation	Ljubljana, Slovenia	Impact of a walking program in people with Down syndrome with intermittent claudication	Speaker
September 15-18, 2004	3 rd Congress of the European Union Geriatric of Medicine Society.	Vienna, Austria	Decrease in free radicals scavenger enzymes activity with aging and in type II diabetes Mellitus.	Speaker
September 7-9, 2005	IASTED BioMech	Benidorm, Spain	Fast running increases expression of MMP-2 in type IIB muscle fibers	
June 10 -14, 2007	The 4 th World Congress of the Intern. Society of Physical and Rehabilitation Medicine	Seoul, S. Korea	A novel exercise device for post-stroke hand rehabilitation.	Speaker

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
September 23-28, 2007	Gordon Research Conference on Biology of Aging	Les Diablerets, Swiss	The role of NF-kB in muscle atrophy	Speaker
Aug. 18-21, 2009	The XXVI Bárány Society Meeting	Reykjavik, Iceland	Postural deficiency in intellectually disabled adult with vestibular impairment	Speaker
*June 21–24, 2014	16th International Congress of Endocrinology, in association with the Endocrine Society's ENDO 2014	Chicago, Illinois, USA	Lean mass loss during the metabolic-syndrome treatment has unfavorable cardiovascular effects negating benefits attained by fat mass loss	Poster session
*Aug 24-26 2015	Brain Disorders and Therapeutics	London, UK	Error enhancement approach in neuro rehabilitation	Speaker
*May 23-24 2019	ICFSS 2019 International Conference on Football and Sport Science	Barcelona, Spain	Differences in Activity Patterns between Adult and U-21 Major League Players in Four Field Positions	Speaker

A2. International Conferences- Held in Israel

Date	Name of Conference	Place of Conference	Subject of the Lecture	Role
Sept. 6-11, 1998	The 6th International Congress of European Group for Research into Elderly and Physical Activity (EGREPA)	Wingate Institute	Investigating the feet position of the clinical test of sensory interaction and balance in the elderly	Speaker
July 6-7, 2005	The 21st International Jerusalem Symposium on Sports Medicine	Tel Aviv	High intensity exercise increases expression of MMPs in fast skeletal muscles	Speaker

A3. Local Conferences

Date	Name of Conference	Place of Conference	Subject of the Lecture	Role
January 1993	The 10 th Conference of Israel Gerontology Society	Jerusalem	The effect of growth hormone on muscle atrophy after disuse	Speaker
April 1993	The Annual Physiotherapy Conference	Jerusalem	The biology of aged skeletal muscles	Speaker
Feb. 22-23, 1999	The 13 th Conference the Israel Gerontology Society	Jerusalem	The effect of physical activity on musculoskeletal system	Speaker
May 10-11, 1999	The 1 st National Conference of Israel	Tel Aviv	The role of physical therapists in using CPM after TKA	Speaker

Date	Name of Conference	Place of Conference	Subject of the Lecture	Role
	Physiotherapy Society			
June 13-14, 1999	The 1 st National Conference Mental Retardation	Jerusalem	Clinical characteristics of aging adults with mental retardation	Speaker
May 30-31, 2000	The 2 nd National Conference of Israel PT Society	Tel Aviv	The mechanism of aging muscle	Speaker
April 4, 2001	Research Fair of TAU	Tel Aviv	Recovery of muscle of old rats after hind limb immobilization by external fixation is impaired compared with those of young rats	Speaker
May 2-3, 2001	The 2 nd Israeli Conference on Mental Retardation	Tel Aviv	The clinical, nutritional and functional characteristics of institutionalized aging adults with mental retardation.	Speaker
May 2, 2001	The annual workshop on aging	Ben Gurion University	The effect of exercises on aging muscle and bone.	Speaker
May 22-23, 2001	The 3 rd Congress on Aging and Prevention	Tel Aviv	Aging muscle and the hormonal system	Speaker
September 13, 2001	Symposium on Aging and Movement	Congress center, Tel Aviv	Aging and motor control	Speaker
April 19, 2002	The 3 rd Research Conference of	Tel Aviv University	The expression of MMP-2,9 and TIMP-I in rat hind	Key note speaker

Date	Name of Conference	Place of Conference	Subject of the Lecture	Role
	the Sackler Faculty		limb muscles following fixation	
January 19-21, 2003	The 4 th Bessie & Louis Stein Geriatric Conference on Advances in Rehabilitation of the Elderly	Tel Aviv	The biochemistry of aging skeletal muscle cell.	Speaker
April 14, 2003	The 4 th Research Fair of the Sackler Faculty	Tel Aviv University	The Aging muscle	Speaker
Dec. 22-23, 2003	The 15 th Biennial Meeting of the Israel Gerontological Society	Tel Aviv	Vestibular Functions and Balance in Elderly after Hip Fracture	Speaker
Dec. 26-27, 2005	The 16 th Biennial Conference of The Israel Gerontological Society	Tel Aviv	Effects of exercise training and caloric restriction on skeletal muscle histochemistry in young vs old rats.	Speaker
May 7, 2006	The 6 Annual Congress of the Israeli Physical Therapy Society (IPTS).	Petach Tikva	Skeletal muscle: Past present and Future	Key note speaker
May 23, 2006	The 1 st Health Conference of the Welfare Ministry	Kefar Sabah	The molecular basis for exercise in aging	Key note speaker
March 21, 2007	Down Syndrome day	Ben Gurion University	Aging and Down Syndrome	Invited Speaker
Nov 28-29, 2007	The 58 th Rehabilitation Conference	BGU Airport, Avenue Center	Coordination tests for adults with intellectual disability	Speaker

Date	Name of Conference	Place of Conference	Subject of the Lecture	Role
January 9, 2008	Geriatric Society	Daniel Hotel Herzelia	Molecular signaling in Sarcopenia	Invited Speaker
December 28, 2008	The 24 th Conference of The Israel Society for Oxygen and Free Radicals Research	Wingate Institute	Nitric oxide and interleukin-6 levels in intellectual disability adults with epilepsy	Speaker
*December 2-5, 2012	The 3 rd Intern. Conf. on Pediatric, Disability and Human Development	National Congress Buildings, Jerusalem	Oxidative stress and Rett Syndrome	Speaker

B. Organization of Conferences or Sessions (Local)

Date	Name of Conference	Place of Conference	Subject of Conference	Role
May 26-28, 2003	the 4 th Conference of Physical Therapy Society	Dead Sea	Physical Rehabilitation	Chairman of Scientific Committee
Dec. 22-23, 2003	The 15 th Conference of the Israel Gerontological Society	Tel Aviv	Geriatric Rehabilitation	Member of Scientific Committee
April 1 st 2004	the 5 th Research Conference of Sackler Faculty of Medicine	Tel Aviv University	Aging muscle	Member of Scientific Committee
March 21-23, 2005	the 5 th Conference of	Tel Aviv	Rehabilitation	Chairman of Scientific Committee

	Physical Therapy Society			
Dec. 26-27, 2005	the 15 th Meeting of the Israel Gerontological Society	Tel Aviv	Geriatric Rehabilitation	Member of Scientific Committee
May 7, 2006	the 6 th Conference of Physical Therapy Society	Tel Aviv	Rehabilitation	Chairman of Scientific Committee
Nov. 16, 2008	the 4 th Evidences-based physical therapy conference	Kibbutz Shefaeem	Evidences-based practice	Chairman of Scientific Committee
Jan. 26, 2010	the 1 st Skeletal Muscle Conference	Tel Aviv University	The muscle: From molecular level to function	Chairman of Scientific Committee
*July 4 2012	Israel-Italy 1 st Rehabilitation Conference	Tel Aviv University	Hi-Tec for rehabilitation purposes	Chairman of Scientific Committee
*Dec. 9, 2013	Innovations in rehabilitation	University of Haifa	From adulthood to Aging	Organizer and Chairman of Scientific Committee
*Feb. 24 2015	Aging and Physical Activity	University of Haifa	Different aspects in age-related physical activity	Organizer and Chairman of Scientific Committee
*Oct. 15 2015	Art Therapy and IDD	University of Haifa, Art school	Rehabilitation for special needs	Organizer and Chairman of the Poster session
*Nov 3 rd 2016	Aging and Physical Exercises	University of Haifa, Beit Student	How muscle dies?	Organizer and Scientific Chairman and Key Note Speaker

*Feb. 28 2017	The 1 st Conference on Rehabilitation Technology	Google Campus, Tel Aviv	Design meets Therapy	Organizer and Chairman of Scientific Committee
*Dec. 17 2018	The 2 nd Conference on Rehabilitation Technology	Nazeret Tower	Technology services in rehabilitation	Organizer and Chairman of Scientific Committee
*June 18 2019	The Annual Conference of Israel PT Association	Avenu, Airport City	Update Systematic reviews on Rehabilitation	Chairperson of Session

7. Invited Lectures (Abroad)

Year	Name of Forum	Place of Lecture	Subject of Conference	Role
June 4-6, 2008	International Conference on Environmental Stressors in Biology and Medicine	Siena, Italy	The effect of endogenous antioxidant Glavidin on oxidized LDL	Key Note Speaker and Chairperson
June 12 14, 2009	Advances in Pneumology	Leipzig, Germany	The expression of Cu,Zn-SOD and MMP-2 in diaphragm muscles of young rat.	Key Note Speaker
June 19, 2009	International Conference. Mechanisms of Inflammation and Wound Healing	Rome, Italy. Istituto Dermopatico Dell'Immacolata (IDI)	The effect of running on the diaphragm muscles of young	Key Note Speaker and Chairperson
November 9, 2010	The Jewish Family Service Agency	Vancouver Canada	Aging, physical exercise and nutrition	Key note speaker

*August 13-17, 2012	The 8 th World Congress on Active Ageing	Glasgow, Scotland	Physical Exercise for elderly adults with Intellectual Disability	Invited Speaker
*September 2-9, 2012	Beit Hana	Dnipropetrovsk, Ukrainian	Sensory-Motor Development	Key note and Conducting Workshop
*June 28-30 2013	The 2013 Shanghai International Rehabilitation Conference	Wyndham Bund East Hotel, Shanghai, China	Upper Extremity Assessment and Biofeedback Training System in Cerebral Palsy	Invited Speaker
*Sept 13-15, 2013	The 8th Beijing International Forum on Rehabilitation	China Rehabilitation Research Center (CRRC), Beijing	Brain and muscle plasticity- Bio feedback concept in rehabilitation	Key Note speaker and Chairperson
*Sept 29 – October 3 rd , 2013	Beit Hana	Dnipropetrovsk, Ukrainian	Brain Plasticity and Sensory Motor rehabilitation	Invited Speaker
*Sept 12-19 2014	International Conference of Reconstructive Rehabilitation - CP Academic Forum	Zhengzhou, China	1. Perturbation while walking on treadmill 2. The concept of biofeedback in rehabilitation	Key Note speaker and Chairperson
*Oct 1-18 2014	The 10th conference Advances in Pneumology	Wieliczka, Salt Mine, Poland	ICU acquired muscle weakness – the effect of physical therapy	Chairman and invited Speaker
*July 9-11 2017	Movement and Cognition	Oxford University	Measuring Balance at High Altitudes	Chairman in 2 sessions and Invited Speaker
*July 27-29 2018	Movement and Cognition	The Joseph B. Martin Conference Center at Harvard Medical School, Boston, USA.	Physical Exercises reduce anxiety	Chairman in 2 sessions and Invited Speaker

April 1-4, 2019	IRC, Beit Hana	Dnipropetrovsk, Ukrainian	4 Days Workshop on: Psych-Sensory- Motor Integration for CP children	Invited Speaker
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Invited Lectures (in Israel)

Year	Name of Forum	Place of Lecture	Subject of Lecture	Role
April 9-10, 2008	Israel Endocrine Society Conference	Leonardo City Tower Hotel, Tel Aviv	Sexual dimorphism in the weight loss achieved in the treatment of the metabolic syndrome	Key note speaker
May 20, 2008	The 2nd Health Conference, Welfare Ministry	Kefar Sabah Ruchama Institute	Aging people with intellectual disability and motor learning	Key note speaker, and Chairperson
Feb. 22 nd , 2012	The 17 th conference of the Third Age	Leonardo City Tower, Ramat Gan	Sarcopenia of Aging	Invited Speaker
March 15-18, 2012	The 2 nd Congress of Exercise and Sport Sciences	Wingate Institute	Metabolic syndrome and Angiotensin 1- 7	Invited Speaker and Chairperson
*October 13 2015	The 3 rd Congress on Aging	Kyriat Ono College	The aging muscle	Invited Speaker
*Dec. 29 2015	The Aging people with intellectual disability (ID)	Rosh Ha'aine Community living for ID	Aged IDD Physical characteristics	Key note speaker
*Dec. 18 2017	The 1 st EDNM conference on IDD	Shoham Geriatric Center, Pardes- Hana	Should we fix the abnormal movement?	Key note speaker

8. Colloquium Talks

Year	Place of Lecture	Name of Forum	Presentation
*Dec. 29 2014	Residence	Bait Balev, Kyriat Mozkin	Brain and muscle Plasticity
*Feb. 13 2014	Health Staff	Sephardic Nursing Home, Neve-Shaanan	Aging muscle, physical exe and nutrition/Gerontology Department Project
*Dec. 22 2015	Community residences	Retaired Club, Hazit 7, Kyriat Eliezer	Physical Activity
*Nov. 12 2018	Residence	Bait Balev, Kyriat Mozkin	Metabolic changes and movement
*May 12 2019	Shilovim, Rehab Center	Aco, Park Lili Sharon	Aging people with IDD
*May 21 2019	Zamarin Association	Zichron Yaacov	Exercise is Medicine
*May 22 2019	Medical Center	Nesher, Maacabi	How to start research?

Research Grants

a. Grants Awarded

C= Competitive Fund

Role in Research	Other Researchers (name & role)	Title	Funded by (C= Competitive Fund)	Amount	Year	Public ations
PI		Balance of People with Intellectual Disabilities (ID)	Anne and Eli Shapira Foundation	\$20,000	2000	D36, D37
PI		Aging People with Intellectual Disabilities	Keren Shalem C	\$1,500	2003	D39

PI		People with ID	Anne and Eli Shapira Foundation	\$10,000	2005	D53
PI		Motor control in People with ID	Keren Yoseff and Karni Foundation	\$5,000	2005	D57
PI		Vestibular disorders in people with ID	Keren Shalem C	\$1,500	2005	D45
PI	CO -PI Prof. Zipora Yablonka-Reuveni, School of Medicine University of Washington	Stem cells in skeletal muscles	USA-Israel Binational Science Foundation C (BSF)	\$169,450	2008-2011	D64
PI		Movement skills of young and old people with ID	Bircher Bener C	40,000 NIS	2008	D78, D93, D97, D100
PI		Coordination and Balance in aged people with (ID)	Israeli Rehabilitation Society: Rafi Rozin Prize C	15,000 NIS	2008	D87
PI		Vestibular function in young and older adults ID	Keren Shalem C	64,000 NIS	2010	D98
*PI	PI: Prof. N Stern, TAU CO-PI Dr. Joseph Korianski. Ichilov, Sourasky Medical Center	Weight loss after bariatric surgery: what are the factors influencing the capability to lose weight and maintain it?	Sima Lior Foundation C	120,000 NIS	2013	

	Endocrinology Department					
*PI	CO-PI -Hagit Harel-Katz University of Haifa	Effectiveness of a Self-Management Intervention to Improve Post-Stroke Participation and its Correlation with Volition	The Center for Research and Study of Aging Advanced Studies Scholarship for Research C	\$ 500	2014	
*PI	CO-PI Sharon Israely University of Haifa	Error enhancement of the velocity component	The Israely Physical Therapy Society	\$1250	2014	D132
*PI-	CO-PI Kobi Dagan University of Haifa, Sheba, Tel Hashomer	Intrapulmonary Percussive Ventilation	Israel lung association C	\$10,000	2014	J4
*PI-	CO-PI Sharon Israely University of Haifa	Error enhancement of the velocity component	Selim and Rachel Benin Scholarship C	\$1,000	2015	D185
*PI-	PI- Prof. N Stern, TAU CO-PI Assaf Buch, TAU	Sarcopenia, Obesity and Frailty	The Sagol center for the Metabolic Syndrome, Tel Aviv-Sourasky Medical Center	\$35,000	2015-2018	D113, D124 D184
*PI	CO-PI Galit Senior	Caregivers who work with ID people	Keren Shalem C	15,000 NIS	2016-2017	D181
*PI	CO-PI Sharon Israely University of Haifa	Neuromuscular synergies in motor control	University of Haifa	\$700	2016-17	D191
*PI	CO-PI Hagit Harel-Katz	Volitional among CVA survivors	Keren Eshel C	\$500	2018	

	University of Haifa					
*PI	PI- Prof. N Stern, TAU CO-PI Assaf Buch, TAU	Central, Diabetes, and Obesity Frailty	Strauss Tenova	\$13,646	2018-2019	D142

b. Submission of Research Proposals – Pending

Role in Research	Other Researchers (name & role)	Title	Funded by (C= competitive)	Amount	Year
*PI	CO-PI- Dr. Sigal Ben-Zaken	Knowledge and perceptions about aging in adults and the elderly with Intellectual Disabilities Developmental -what is the connection between their attitudes and the extent of their self-efficacy?	Disability Studies Center	NIS 25,000	2019
PI	CO-PI- Dr. Sigal Ben-Zaken	Macronutrients and Body Fat Distribution: Can Epigenetic Explain the Relationship?	Chief Scientist Office - Ministry of Health	749,650 NIS	2020

c. **Submission of Research Proposals – Not Funded**

Role in Research	Other Researchers (name & role)	Title	Funded by (C= competitive)	Year
*PI	PI - Prof. Naftali Stern . Ichilov, Sourasky Medical Center Endocrinology Department, and TAU	Can Ang1-7 avert age- and Metabolic Syndrome-related impairment in skeletal muscle, stem (satellite) cells and their parent myofiber levels?	ISF Application No.673/13 C	2013 Scored as VERY GOOD
*PI	PI - Freiberger Ellen (FAU Erlangen-Nürnberg, Germany)	Sarcopenia in Persons with Intellectual Disability	DIP C	2013
*PI	PI- MüllerNotger German Center for Neurodegenerative Diseases (DZNE) Otto-von-Guericke University Magdeburg	Gaze, balance and gait control in cognitively impaired elderly: impact on self dependence and possible predictors for dementia	Helmholtz-MOST C	2014
*PI	PI- MüllerNotger German Center for Neurodegenerative Diseases (DZNE)	Assessment of vestibular, cognitive abilities in the Elderly: Correlation	GIF C	2014

	Otto-von-Guericke University Magdeburg	and transfer effects through vestibular training-The VESCOG Study		
*PI	PI – Dr Gabi Shefer . Ichilov, Sourasky Medical Center Endocrinology Department	Exercise first and diet later to enhance metabolic outcomes and life quality of the older frail obese	ISF C	2015
*PI	Prof. Carlos E. Nencovsky PI Department of Periodontology and Dental Implantology Dental School Tel-Aviv University Prof. Weinreb Miron , PI Department of Oral Biology-Tel-Aviv University School of Dental Medicine Dr. Gabi Shefer PI, Ichilov Endocrinology Lab	Tetracycline therapy for the prevention of muscle wasting and bone loss due to immobilization	ISF Application No.1625/17 C	2017 Scored as VERY GOOD
*PI	Prof. Dr. med. Notger Müller PI Neuroprotecti on Lab German Centre for Neurodegenerative Diseases (DZNE) & Otto-von-Guericke University Leipziger Str. 44 39120 Magdeburg Germany	The vestibular-hippocampal axis: a possible target to improve balance and visuospatial skills in the elderly	GIF C	2017

*PI	Prof. Gerry Leisman , Co-PI The National Institute for Brain & Rehabilitation Sciences-Israel, Nazareth, and University of Haifa	The effect of error with robotic training on muscle spinal cord synergies	ISF Application 763/18	2018 Scored as VERY GOOD
*PI	Dr. Sigal Ben-Zaken and Dr Shon Portal – PI's	Macronutrients and Body Fat Distribution: Can Epigenetic Explain the Relationship?	ISF	2019

9. Scholarships, Awards and Prizes

1995-1996 - “Rhino” recognition award for achievements in rehabilitation department, by Unicare Rehabilitation. Services, USA.

2004 - Awarded the Brookdale Institute of Gerontology and Adults Human Development in Israel, and Eshel Association for the planning and developing services for aged in Israel, in recognition of clinical research.

2008 - Welfare Ministry - Medical Director Prize for scientific and academic work in the area of intellectual disability in Israel.

*2014 – The Shalem Fund sponsored a course in Intellectual Development and Disabilities, 30,000 NIS (The course conducted with Dr. Rinat Fineger Shaal)

*2014 - **An outstanding lecturer, University of Haifa**

*2015 - The Shalem Fund sponsored a 2nd time course in Intellectual Development and Disabilities, 35,000 NIS (The course conducted with Dr. Rinat Fineger Shaal).

*2019 – **Best Presentation Award** "Differences in Activity Patterns between Adult and U-21 Major League Players in Four Field Positions" ICFSS 2019 : International Conference on Football and Sport Science, Barcelona, Spain

10. Teaching

a. Courses Taught in Recent Years

Years	Name of Course	Type of Course Lecture/Seminar/ Workshop/High Learn Course/ Introduction Course (Mandatory)	Level	Number of Students
2012- today	Cell Biology and Histology	Online course (4.0 credit points)	BSc	~40
-2013 today	Gerontology and Geriatric	Lecture (2.0 credit points)	BSc	~40
-2013 today	Research Methods	Online course (2.0 credit points)	BSc	~40
-2013 today	Research Methods	Online course (2.0 credit points)	MSc	15
-2013 today	The scientific basis of exercise training	Lecture (2.0 credit points)	MSc	~8
-2013 today	Changes along life cycle	Lecture (2.0 credit points)	MSc	~8

b. Supervision of Graduate Students

Msc. PT Students

Name of Student	Name of other mentors	Title of Thesis	Degree	Year of Completion/in Progress	Students' Achievements
Richard Anderson		Electromyography analysis of the quad. muscles	MSc PT	1997	D4
Allison Brescha		Factors influenced physical therapy	MSc PT	1997	D146

Name of Student	Name of other mentors	Title of Thesis	Degree	Year of Completion/in Progress	Students' Achievements
		students to work with elderly people			
Susanne White		Shoulder pain among swimmers	MSc PT	1997	D147
Kennedy Kimberly		LPB and irregular Menstrual cycles in female runners	MSc PT	1997	D5, D148
Omar Lalguna		Do we allow elderly pedestrians sufficient time to cross the street?	MSc PT	1997	D6
Lowe Suzanne		Identification of lumbar spinous process	MSc PT	1997	
Salles Lauren		Socio-demographics and compliance in exercise program	MSc PT	1998	
Colling Scott		Physical therapy assessment of functional in traumatic brain injury	MSc PT	1998	

Name of Student	Name of other mentors	Title of Thesis	Degree	Year of Completion/in Progress	Students' Achievements
Buxton Amy		Predicting balance scores in the elderly using the clinical test sensory interaction and balance	MSc PT	1998	
Chickanosky Cara		Criteria use by physical therapists in the assessment of pressure ulcers ingeriatric population	MSc PT	1998	
Tim Ahlip		The relationship of ankle plantar flexor strength and step/stride in the elderly population	MSc PT	1998	D149
Cahana Carmeit		Assistive technology among people with mental retardation	MSc PT	2003	D31, D58
S Azencot		Sports injuries in students aged 12-18	BEd	2003	D27
Marmur Rachel		Functional assessment of a new born	MSc PT	2003	D60, D69
Bath Reuven		Blood flow measurements of aging limbs at rest and during walking	MSc PT	2003	
Nama Ben Nacum		Directed interfering	MSc PT	2003	D155

Name of Student	Name of other mentors	Title of Thesis	Degree	Year of Completion/in Progress	Students' Achievements
		program to prevent falling, among adult population with mental retardation			
Vaknin Zeviah		The influence of physical activity on the well-being of old people with mental retardation	MSc PT	2003	D39
Tlumak Hila		Standardization of an evaluation tool for children aged 5-6 years, whosuffer from developmental coordination disorder	MSc PT	2003	D105

Name of Student	Name of other mentors	Title of Thesis	Degree	Year of Completion/in Progress	Students' Achievements
Zur Oz		The relationship between the function of the vestibular system and hip fractures following falls	MSc PT	2004	D 45, D52, D98, D154
Boulos Spiro	Dr. Ziva Izhar, TAU	The effect of arm swing on energy expenditure of healthy walking individuals	MSc PT	2004	D72
Bookai Shirely		Physiological responses during exercise in post stroke patients	MSc PT	2005	D160
Haimi Malka		Clumsiness and motor deficits in children with ADHD	MSc PT	2005	
Levin-Yogev Revital	Dr. Michal Katz, TAU	Petra bicycle training for children with CP	MSc PT	2005	
Chaimovitz Tal		Tetracycline therapy for immobilized skeletal muscles	MA in Biology	2005	D46, D47, D54, D62
Eisenberg Saron	Dr. Michal Katz, TAU	The effect of weight bearing and movement on secondary conditions on children with severe CP age 4-12	MSc PT	2006	D73

Name of Student	Name of other mentors	Title of Thesis	Degree	Year of Completion/in Progress	Students' Achievements
Hershko Erel		Comparison between a new biofeedback system for rehabilitation versus standard rehabilitation protocol inpatients with partial weight bearing	MSc PT	2006	D65, D156
Iris Fisher	Dr. Michal Katz, TAU	Balance Evaluation - Modified Functional Reach Test in Sitting	MSc PT	2006	D68
Rozenfeld Vitaly		Work-related musculoskeletal disorders among physical therapist	MA in Public Health	2006	D81
Vilnai Anat	Dr. Michal Katz, TAU	Injuries among young people practicing in health club	MSc PT	2007	D76
Asis Yonat		Weight bearing assessment during Sit-To-Stand Test	MSc PT	2007	
Toledano Adi	Dr. Michal Katz, TAU	Early aerobic exercise program for mild ischemic stroke patients	MSc PT	2007	D88
Liana Krdoner		classification of Children with DCD	MSc PT	2007	

Name of Student	Name of other mentors	Title of Thesis	Degree	Year of Completion/in Progress	Students' Achievements
Nisan Lavi Liat		CVA patients in the community: Comparison between the effect of a group training and home-based training integrated with treadmill	MSc PT	2008	D161
Netta Imber		The effect of resistance exercise program on muscle strength of the lower extremity in young, adult and elderly women	MSc PT	2008	
Ella Rave		The influence or practicing Tai Chi Chuan and aerobic exercise on job-related stress	BPT	2008	D159
Ron Bowm Arava		The influence of Methylphenidate on motor function in TBI children who suffer from comorbid ADHD and DCD	MSc PT	2008	
Avshalom Jonnatan		The effect of biofeedback glove on hand rehabilitation in Stroke patients	MSc PT	2008	

Name of Student	Name of other mentors	Title of Thesis	Degree	Year of Completion/in Progress	Students' Achievements
Martinez A Coleen	Prof. Chris B. Stopka, Uni. of Florida	Accommodating pain-free exercise therapy for Peripheral Arterial Disease	MA in Exercise Physiology	2008	D111
Barak Sharon	Prof Chris B. Stopka, Uni of Florida	Pain-free treadmill exercise for individuals with Intermittent Claudication	MA in Gerontology	2009	D70,D74,D78
Bezalel Tomer		A comparison study between home-based exercises versus group education program for knee osteoarthritis	MSc PT	2010	D82
Rouner Gat	Prof. Dafna Benayahu, TAU	The effect of exercise running and immobilization on satellite cells	MA in Biology	2011	D64
Kahety E Pena	Prof. Chirs B Stopka, University of Florida	Effects of low-intensity exercise on patients with peripheral vascular arterial disease	MA in Exercise Physiology	2009	D80

Name of Student	Name of other mentors	Title of Thesis	Degree	Year of Completion/in Progress	Students' Achievements
Brikmann Ofri		Comparison between two exercise programs for patients with Heart Failure undergoing cardiac rehabilitation	MSc PT	2011	
Vered Gadidi	Dr Michal Katz, TAU	Long-term outcome poststroke: predictors of activity limitation and participation restriction	MSc PT	2011	D91
Yossef Orna		Physical therapy for muscle strength and respiratory function among patients with intensive care unit acquired weakness	MSc PT	2012	D101
*Beiker Reut		The effect of licorice root ethanol extract on LDL oxidation	MA in Biology	2014	D85, D95, D71
*Ido Hernig		Motor sensory profile of IDD people	MSc PT	2014	

Name of Student	Name of other mentors	Title of Thesis	Degree	Year of Completion/in Progress	Students' Achievements
Roy Eilat		Association between quality of life and team achievement among wheelchair basketball players	BPT	2015	D110
*Uri Harel		Training specificity in soccer fitness: Activity patterns differences between adult and U19 major league players on four field positions	MA in Physical Education	2015	
Yonatan Galkin		Effects of slackline Vs pilates on anterior core muscles strength	BPT	2016	D117
Yonatan Simchon,		Characterization of Physical Activity in Undergraduate Students	BPT	2016	D118
*Senior Galit		Caregivers who work with ID people	MA in Gerontology	2017	
*Anat Livne Voldmann		The effectiveness of multi layer compression bandage among lymphatic physiotherapists	MSc PT	2017	D137

Name of Student	Name of other mentors	Title of Thesis	Degree	Year of Completion/in Progress	Students' Achievements
*Rachel Wolff/Heimer		Successful aging, functional level and physical activity among senior athletic people	MA in Gerontology	2018	J1
*Ranin Horani		Computerized Functional Reach Test to measure postural control among aged people with ID	MSc PT	June 2019 Submitted final draft	

MD and PhD Students

Name of Student	Name of other mentor	Title of Thesis	Degree	Year of Completion/In Progress	Students' Achievements
Itschack Davidove	Prof. Nemcovsky Carlos, (TAU)	Centric slide, bite force and muscle tenderness after orthodontic treatment	MD	2008	
*Sharon Izraely	Prof. Gerry Leisman University of Haifa	Error enhancement of the velocity component in Stroke patients	PhD	2018	D106, D120, D123, D130, D132, D136, D138, D187, D192
*Sam Hamis		A dynamic 3D functional method for measuring leg length discrepancy	PhD	2018	D125, D127, D131, D135, D143, D144, D189, D190

		and its correlation to radiographic measurements			
*Kobi Dagan		Intrapulmonary Percussive Ventilation as Chest physical therapy	PhD	April 2019	J4
*Betsalel Tomer	Prof. Kalichman Leonid (BGU)	Scheuermann Disease: Patho-anatomy and Treatment	PhD	2/2019	D103, D134, D140, D145
*Assaf Buch TAU	Prof. Naftali Stern, TAU and The Institute of Endocrinology, Metabolism and Hypertension, Tel-Aviv Sourasky Medical Center	Sarcopenic obesity, frailty and aging	PhD	7/2019	D124, D139, D141, D142, D185, K5
*Hagit Harel Katz		Participation of post stroke patients in a self-management group	PhD	In Progress	L1, L2
*Lirz Tencer – Lagziel		Vestibulopathy with VOR gain deficit - Characteristics of the Overt/Covert saccadic eye movements by the video Head Impulse Test (vHIT)	PhD	In Progress	
*Tomer Friedman	Dr. Sigal, Ben-Zaken,	The Acute and Chronic Influence of a	PhD	In Progress	

	Wingate Institute	High-Protein vs. High-Carbohydrate vs. High-Fat Meal on miRNA in Obese people			
*Roberto Mellilo	Prof. Gerry Leisman University of Haifa	The effect of primitive reflexes on movement preparations	PhD	In Progress	

12. Miscellaneous

Additional Education and Further Studies

Florida Physical Therapy License 1993 (no. 100454)

Teaching license - Moffet Institute, 2000

Continuing education – 2.8 ceu's by APTA, for 2000-2002 years

Free Oxygen Radicals Monitoring (FORM) training – Callegari S.p. A, Parma, Italy, April 26-27, 2007

Good Clinical Practice (GCP) - Tel Aviv University, February 2012

Reputation as Physiotherapist

- Member of the Israeli delegation to the Olympic Special Olympics (Dublin 2004).
- Member of the Magen David Adom delegation to the earthquake disaster in Haiti (2010).

PUBLICATIONS

First author is the main contributor, last author is usually the group head, the rest appear according to their relative contribution (unless otherwise specified).

A. Ph.D. Dissertation

Title: The effect of growth hormone on immobilized muscle of old rats.

Date of Submission: April, 1993

Number of pages: 132 pages

Language: Hebrew

Name of supervisor: Prof. Reznick AZ

Technion: Faculty of Medicine

B. Scientific Books (Refereed)

None

C. Monographs

None

D. Articles in Refereed Journals

Index:

H Index (SCOPUS) 29, 2856 citations

H Index (Google scholar) 40, 5040 citations

H Index (ISI) 26, 2160 citations

* Since Associate Prof., University of Haifa (6/2012)

My student

V The Israeli High Council of Education Ranking

Q Quartile (Q1-Q4), is taken from Web of Science, Thomson Reuters ISI, marked from 2008 (since appointment as Asso. Prof. at Tel Aviv University).

Original Research (Refereed)

Published - English

1. **E. Carmeli**, Z. HochbergZ, E. Livne, I. Lichtenstein, C. Kestelboim, M. Silbermann, AZ. Reznick. Effect of growth hormone on gastrocnemius muscle of aged rats after immobilization: biochemistry and morphology. *Journal of Applied Physiology*, 1993; 75(4): 1529-1535.

IF 1997=1.770

R= Sport Medicine: 2/24 (Q1); Physiology: 20/65 (Q2)

2. AZ. Reznick, **E. Carmeli**, I. Roisman. Effects of growth hormone on skeletal muscles of aging systems. *Age*, 1996; 19:39-44.

IF 1997=1.938

R= Geriatrics and Gerontology: 4/22 (Q1)

3. FA. Fares, N. Gruener, **E. Carmeli**, AZ. Reznick. Growth hormone retardation of muscle damage due to immobilization in old rats: possible intervention with new long-

acting recombinant GH. *Annals New York Academy of Sciences*, 1996; 786: 1-14. IF=

1.93, Rank = 7/50, "Multidisciplinary sciences" Q1.

IF 1997=0.903

R= Multidisciplinary Sciences: 17/56 (Q2)

4. R. Anderson#, C. Courtney, **E. Carmeli**. Electromyography analysis of the vastus medialis/vastus lateralis muscles utilizing the unloaded narrow-and wide-stance squats. *Journal of Sport Rehabilitation*, 1998; 7: 236-247

IF 1998=0.456

R= Rehabilitation: 11/17 (Q3)

5. KL. Kennedy#, **E. Carmeli**. Runner perils: the incidence of low back pain and irregular menstrual cycles. *Advance for Physical Therapy*, 1998, 11: 23-24.

IF=N/A

SJR=N/A

6. **E. Carmeli**, R. Coleman, OH. Lalguna#, DB Cross. Do we allow elderly pedestrians sufficient time to cross the street in safety? *Journal of Aging and Physical Activity*, 2000; 7: 51-58.

IF 2002 (earliest available)=0.742

R= Geriatrics and Gerontology: 22/27 (Q4)

7. **E. Carmeli**, AZ. Reznick, R. Coleman, V. Carmeli. Muscle strength and mass of lower extremities in relation to functional abilities in elderly adults. *Gerontology*, 2000; 46 (5): 249-257.

IF 2000=1.424

R= Geriatrics and Gerontology: 11/22 (Q2)

8. **E. Carmeli**, AZ. Reznick, Raymond, G. Volpin, N. Zraevsky. Biochemical and Histochemical study of hind limb muscles of aged rats after immobilization and re-mobilization. *Biology of Sport*, 2001; 18: 21-31.

IF 2001=0.164

R= Sport Sciences: 54/68 (Q4)

9. **E. Carmeli**, I. Bloomenfeld I, SL. Sheklow. A comparative study of repositioning splint therapy and passive manual range of motion techniques for anterior displaced temporomandibular discs with unstable excursive reduction. *Physiotherapy*, 2001; 87 (1): 26- 35.

IF 2007 (earliest available)=0.452
R= Rehabilitation: 23/27 (Q4)

10. N. Zarzhevsky, **E. Carmeli**, D. Fuchs, R. Coleman, H. Stein, AZ. Reznick. Recovery of muscles of old rats after hindlimb immobilization by external fixation is impaired compared with those of young rats. *Experimental Gerontology*, 2001; 36(1): 125-140.

IF 2001=2.943
R= Geriatrics and Gerontology: 4/24 (Q1)

11. N. Zarzhevsky, O. Menashe, **E. Carmeli**, H. Stein, AZ. Reznick. Capacity for recovery and possible mechanisms in immobilization atrophy of young and old animals. *Annals of New York Academy of Sciences*, 2001; 928: 212-225.

IF 2001=1.593
R= Multidisciplinary Sciences: 7/45 (Q1)

12. V. Carmeli, **E. Carmeli**. Teaching Jewish mentally-retarded youngsters holiday awareness through symbols. *Journal of Religion, Disability and Health*, 2001; 5(2-3): 123-139. ISI IF N/A.

IF=N/A
SJR=N/A

13. **E. Carmeli**, S. Kessel, R. Coleman, M. Ayalon. Effects of a treadmill walking program on muscle strength and balance in elderly people with Down's syndrome. *Journals of Gerontology Series a* 2002; 57: 106-110.

IF 2002=3.455
R= Geriatrics and Gerontology: 3/27 (Q1)

14. **E. Carmeli**, M. Ayalon, S. Barchad, SL. Sheklow, and AZ Reznick. Isokinetic leg strength of institutionalized older adults with and without mental retardation. *Journal of Strength and Conditioning Research*, 2002; 16 (2): 316-320.

IF 2002=0.762
R= Sport Sciences: 36/69 (Q3)

15. **E. Carmeli**, M. Vertheim. Hand injuries in young and old wall climbers. *Sportmedicine*, 2002; 52: 285-288. (Germany)

IF=N/A
SJR=N/A

16. **E. Carmeli**, S. Barchad, R. Lenger, R. Coleman. Muscle power, locomotor performance and flexibility in aging mentally-retarded adults with and without Down's syndrome. *Journal of Musculoskeletal and Neuronal Interaction*, 2002; 2(5): 457-462.

IF=N/A
SJR 2003 (earliest available)=0.271
R 2003= Physiology: 147/148 (Q4)

17. Y. Masharawi, **E. Carmeli**, P. Trott. Ankle inversion in weight-bearing: A comparison between left and right legs measured in weight bearing before and after exercise. *The Foot*, 2002; 12 (3): 182-187. V

IF=N/A
SJR=N/A

18. S. Kessel, J. Merrick, A. Kedem, L. Borovsky, **E. Carmeli**. Use of group counseling to support aging-related losses in older adults with intellectual disabilities. *Journal of Gerontological Social Work*, 2002; 38 (1): 241-251.

IF 2018 (earliest available)=0.849
R 2018= Gerontology: 31/36 (Q4)

19. **E. Carmeli**, S. Shuruk, SL. Sheklow, Y. Masharawi. Incidence of hand injuries in wall climbers: A comparison between adolescent adults and young adults. *Biology of Sport*, 2002; 19 (4): 283-294.

IF 2002=0.157
R= Sport Sciences: 61/69 (Q4)

20. AZ. Reznick, M. Ofir, M. Bar Shai, R. Coleman, **E. Carmeli** . Expression of matrix metalloproteinases, inhibitors, and acid phosphatase in muscles of immobilized hindlimbs of rats. *Muscle & Nerve*, 2003; 27: 51-59.

IF 2003=2.282
R= Neurosciences: 91/198 (Q2)

21. Y. Masharawi, **E. Carmeli**, R. Masharawi, P. Trott. The effect of braces on restricting weight-bearing ankle inversion in elite netballers. *Physical Therapy in Sport*, 2003; 4:24-33.

IF 2004 (earliest available)=0.316
R 2004= Sport Sciences: 56/71 (Q4)

22. **E. Carmeli**, S. Bar-Chad, M. Lotan, J. Merrick, R. Coleman. Five clinical tests to assess balance following ball exercises and treadmill training in adults persons with mental retardation. *Journals of Gerontology series a*, 2003; 58A: 767-772.

IF 2003=4.369

R= Geriatrics and Gerontology: 2/27 (Q1)

23. **E. Carmeli**, J. Merrick, S. Kessel, Y. Masharawi, V. Carmeli. Elderly persons with intellectual disability: A study of clinical characteristics, functional status, and sensory capacity. *The Scientific World Journal*, 2003; 3(4): 298-307.

IF=N/A

SJR 2003=0.206

R 2003= Medicine (miscelenious): 1300/2926 (Q2)

24. **E. Carmeli**. Creative problem solving and social cooperation of effective physical therapy practice: A pioneer study and overview. *The Scientific World Journal*, 2003; 3(4):291-297. ISI IF N/A.

IF=N/A

SJR 2003=0.206

R 2003= Medicine (miscelenious): 1300/2926 (Q2)

25. **E. Carmeli**, P. Orbach, DT. Lowenthal, J Merrick, R. Coleman. Long-term effects of activity status in the elderly on cardiorespiratory capacity, blood pressure, blood lipids, and body composition. A five-year follow-up. *The Scientific World Journal*, 2003; 3: 751-767.

IF=N/A

SJR 2003=0.206

R= Medicine (miscelenious): 1300/2926 (Q2)

26. M. Katz-Leurer, **E. Carmeli**, M. Shochina. The effect of early aerobic training on independence six months post stroke. *Clinical Rehabilitation*, 2003; 17 (7):735-741

IF 2003=1.017

R= Rehabilitation: 11/24 (Q2)

27. **E. Carmeli**, S. Azencot#, M. Wertheim, R. Coleman. Sports injuries in students aged 12-18 during physical education classes in Israel. *Biology of Sport*, 2003; 20 (4):271-280.

IF 2003=0.125

R= Sport Sciences: 65/71 (Q4)

28. M. Katz-Leurer, M. Shochina, **E. Carmeli**, Y. Friedlander. The influence of early aerobic training on the functional capacity in cerebrovascular accident (CVA) patients at the subacute stage. *Archives of Physical Medicine and Rehabilitation*, 2003; 84 (11):1609-1614.

IF 2003=1.350

R= Rehabilitation: 4/24 (Q1)

29. **E. Carmeli**, S. Barchad, Y. Masharawi, R. Coleman. Impact of a walking program in people with Down syndrome. *Journal of Strength and Conditioning Research*, 2004; 18 (1):180-184.

IF 2004=0.923

R= Sport Sciences: 31/71 (Q2)

30. R. Defrin, CG. Pick, H. Peretz, **E. Carmeli**. A quantitative somatosensory testing of pain threshold in individuals with mental retardation, *Pain* 2004; 108:58-66.

IF 2004=4.061

R= Clinical Neurology: 12/140 (Q1)

31. **E. Carmeli**, C. Cahana#, J. Merrick. The assimilation assistive technology in residential care centers for people with intellectual disabilities. *The Scientific World Journal*, 2004; 4: 178-185.

IF=N/A

SJR 2004=0.261

R= Medicine (miscelenious): 1227/2888 (Q2)

32. D. Alperovitch, **E. Carmeli**, R. Coleman, H. Ring. Handgrip strength as a diagnostic tool in work-related upper extremity musculoskeletal disorders in women. *The Scientific World Journal*, 2004; 4:111-117.

IF=N/A

SJR 2004=0.261

R= Medicine (miscelenious): 1227/2888 (Q2)

33. **E. Carmeli**, R. Coleman, YN. Berner. Activities of antioxidant scavenger enzymes (superoxide dismutase and glutathione peroxidase) in erythrocytes in adult women with and without type II diabetes. *Experimental Diabetes Research*, 2004; 5 (2):171-175.

IF 2006 (earliest available)=1.704

R 2006= Endocrinology and Metabolism: 67/93 (Q3)

34. J. Merrick, C. Cahana, M. Lotan, I. Kandel, **E. Carmeli**. Sonezelen or controlled multisensory stimulation. Treatment aspects from Israel. *The Scientific World Journal*, 2004; 4:307-314.

IF=N/A

SJR 2004=0.261

R= Medicine (miscelenious): 1227/2888 (Q2)

35. M. Bar-Shai, **E. Carmeli**, R. Coleman, AZ. Reznick. Mechanisms in muscle atrophy in immobilization and aging. *Annuls of New York Academy of Science*, 2004, 1019:475-478.

IF 2004=1.789

R= Multydisciplinary Sciences: 7/45 (Q1)

36. **E. Carmeli**, S. Kessel, S. Bar- Chad, J. Merrick. A comparison between older persons with Down Syndrome and a control group: Clinical characteristics, functional status and sensori-motor function. *Down Syndrome Research Practice*, 2004; 9(1):17-24. V.

IF=N/A

SJR 2004=0.195

R= Medicine (miscelenious): 1419/2888 (Q3)

37. **E. Carmeli**, J. Merrick, YN. Berner. Effect of training on health and functional status in older adults with intellectual disability. *International Journal of Therapy and Rehabilitation*, 2004; 11 (10):481-485. V.

IF=N/A

SJR 2004=0.155

R= Rehabilitation: 65/97 (Q3)

38. **E. Carmeli**, Y. Beer, N. Halperin, R. Coleman, D. Robinson, T. Brosh, Z. Nevo. Medial collateral ligament repair following complete ligament transection: an experimental study in rabbits. *Biology of Sport*, 2004; 21 (4):379-385.

IF 2004=0.085

R= Sport Sciences: 67/71 (Q4)

39. **E. Carmeli**, TZ. Vaknin#, M. Morad, J. Merrick. Can physical training have an effect on well-being in adults with intellectual disability? *Mechanisms of Ageing and Development*, 2005; 126: 299-304.

IF 2005=2.812

R= Geriatrics and Gerontology: 8/29 (Q2)

40. M. Bar-Shai, **E. Carmeli**, R. Coleman, N. Rozen, S. Perek, D. Fuchs, AZ. Reznick. The effect of hindlimb immobilization on acid phosphatase, metalloproteinases and nuclear factor-kB in muscles of young and old rats. *Mechanisms of Ageing and Development*, 2005;126:289-297.

IF 2005=2.812

R= Geriatrics and Gerontology: 8/29 (Q2)

41. M. Lotan, J. Merrick, **E. Carmeli**. Managing scoliosis in a young child with Rett syndrome: a case study. *The Scientific World Journal*, 2005, 295:264-273.

IF=N/A

SJR 2005=0.258

R= Medicine (miscellaneous): 1273/2880 (Q2)

42. **E. Carmeli**, M. Moas, S. Lennon, SK Powers. High intensity exercise increases expression of matrix metalloproteinases in fast skeletal muscle fibers. *Experimental Physiology*, 2005; 90:613-619.

IF 2005=2.0542

R= Physiology: 40/75 (Q3)

43. **E. Carmeli**, A. Fezadeh, SL, Sheklow. Relating quality of life and social outcomes in old people after hip fracture. *International Journal on Disability and Human Development*, 2005; 4(2): 91-93. V.

IF 2009 (earliest available)=0.231

R 2009= Public, Environmental and Occupational Health: 119/122 (Q4)

44. M. Bar-Shai, **E. Carmeli**, AZ Reznick. The role of NF-kB protein breakdown in immobilization, aging and exercise. *Annals of the New York Academy of Sciences*, 2005; 1057: 431-447.

IF 2005=1.971

R= Multidisciplinary Sciences: 5/48 (Q1)

45. O. Zur#, M. Himelfarb, J. Merrick, **E. Carmeli**. Postural deficiency in intellectually disabled adults with vestibular impairment. *International Journal on Disability and Human Development*, 2005; 4 (4):339-343. V.

IF 2009 (earliest available)=0.231

R 2009= Public, Environmental and Occupational Health: 119/122 (Q4)

46. **E. Carmeli**, TG Haimovitch#, CE. Nemcovsky. Expression of matrix metalloproteinase 2 and heat shock protein 72 in immobilized muscle in rat. *Journal of Musculoskeletal and Neuronal Interactions*, 2006; 6(1): 96-102. V.

IF 2011 (earliest available)=2.000
R= Neurosciences: 173/244 (Q3)

47. **E. Carmeli**, TG Haimovitch#. The expression of MMP-2 following immobilization and high-intensity running in Plantaris muscle fiber in rats. *The Scientific World Journal*, 2006; 6:542-550.

IF=N/A
SJR 2006=0.221
R= Medicine (miscelenious): 1432/2862 (Q3)

48. **E. Carmeli**, SL, Sheklow, R. Coleman. A comparative study of organized-class based –exercise protocol versus individual –home based exercise program for elderly patients following hip surgery. *Disability and Rehabilitation*, 2006; 28(16):997-1005.

IF 2006=1.164
R= Rehabilitation: 17/27 (Q3)

49. **E. Carmeli**, G. Bartur, S. Peleg, S. Barchad, JJ. Vatine. Does passive leg activity influence oxygen saturation and activity in sedentary elderly adults? *The Scientific World Journal*, 2006; 6: 1075-1080. ISI IF N/A.

IF=N/A
SJR 2006=0.221
R= Medicine (miscelenious): 1432/2862 (Q3)

50. DT. Lowenthal, ZV. Kendrick, JW. Starnes, **E. Carmeli**. Effects of caloric restriction and exercise training on skeletal muscle histochemistry in aging Fischer 344 rats. *The Scientific World Journal*, 2006; 6:1339-1349. ISI IF N/A.

IF=N/A
SJR 2006=0.221
R= Medicine (miscelenious): 1432/2862 (Q3)

51. A. Feazaddeh, **E. Carmeli**. Rehabilitation exercise for treatment of vestibular disorder: A case study. *The Scientific World Journal*, 2006, 6: 291-294. ISI IF N/A.

IF=N/A
SJR 2006=0.221

R= Medicine (miscellaneous): 1432/2862 (Q3)

52. O. Zur#, YN. Berner, **E. Carmeli**. Correlation between vestibular function and hip fracture following falls in the elderly: A case-controlled study. *Physiotherapy*, 2006; 92 (4): 208-213.

IF 2007 (earliest available)=0.452

R 2007= Rehabilitation: 23/27 (Q3)

53. **E. Carmeli**, A. Bachar, S. Barchad. Biochemical assessments of total antioxidant status in active and non active female adults with intellectual disability. *Research in Sports Medicine: An International Journal*, 2007; 15 (2):93-101. V.

IF 2011 (earliest available)=1.535

R 2011= Sport Sciences: 42/85 (Q2)

54. **E. Carmeli**, T. Haimovitz#, CE. Nemcovsky. Cathepsin D and MMP-9 activity increase following a high intensity exercise in hind limb muscles of young rats. *Journal of Basic & Clinical Physiology & Pharmacology*, 2007; 18 (1): 79-86.

IF=N/A

SJR 2007=0.221

R= Medicine (miscellaneous): 1432/2862 (Q3)

55. M. Morad, NP. Nelson, J. Merrick, PW. Davidson, **E. Carmeli**. Prevalence and risk factors of constipation in adults with intellectual disability in residential care centers in Israel. *Research In Developmental Disabilities*, 2007; 28(6):580-586.

IF 2007=1.484

R = Rehabilitation: 7/51 (Q1)

56. **E. Carmeli**, N. Klain, M. Sohn. The implications of having attention-deficit/hyperactivity disorder in males adolescent with intellectual disability *International Journal of Adolescent Medicine and Health*, 2007; 19 (2): 209-214. V.

IF=N/A

SJR 2007=0.244

R= Public Health, Environmental and Occupational Health: 234/429 (Q3)

57. **E. Carmeli**, T. Bar-Yossef, C. Ariav, R. Levy, DG. Liebermann. Perceptual-motor coordination in persons with mild intellectual disability. *Disability and Rehabilitation*, 2007; 27: 12-19.

IF 2007=1.414

R = Rehabilitation: 12/51 (Q1)

58. **E. Carmeli**, R. Levy, S. Barchad, C. Cahana#, J. Merrick .Assistive technology and walking aid use by intellectual disabled older people in a residential care centers.

International Journal on Disability and Human Development, 2007; 6 (1): 71-74.

IF 2009 (earliest available)=0.231

R= Public, Environmental and Occupational Health: 119/122 (Q4)

59. F. Avraham, S. Aviv, P. Ya'akobi, H. Faran, Z. Fisher, Y. Goldman, G. Neeman, **E. Carmeli**. The efficacy of treatment of different intervention programs for patellofemoral pain syndrome– A single blinded randomized clinical trial. Pilot study.

The Scientific World Journal, 2007; 1256-1262. ISI IF N/A.

IF=N/A

SJR 2007=0.288

R= Medicine (miscelenious): 1322/2855 (Q2)

60. R. Marmur#, E. Sabo, **E. Carmeli**, E. Tirosh, J. Ben-David. Optokinetic nystagmus as related to position in infancy. *Journal of Child Neurology*. 2007; 22(9):1108-1110.

IF 2007=1.240

R = Pediatrics: 41/78 (Q3)

61. **E. Carmeli**, A. Bachar, S. Barchad, M. Mohammed, J. Merrick Antioxidant status in persons with intellectual disability and hypothyroidism. *Research in Developmental Disabilities*, 2007; 29(5):431-438. 14.

IF 2007=1.484

R = Rehabilitation: 7/51 (Q1)

62. **E. Carmeli**, T. Haimovitz#, CE. Nemcovsky. The expression of MMP-2, MMP-9, and SOD on different muscle fibers in trained muscles in young rats. *Biology of Sport*, 2007; 23 (4): 299-309.

IF 2007=0.091

R = Sport Sciences: 62/72 (Q4)

63. **E. Carmeli**, I. Orbach, TZ. Vaknin, M. Morad, J. Merrick. Physical training and well-being in older adults with mild intellectual disability. A residential care study.

Journal of Applied Research in Intellectual Disabilities, 2008; 21: 457-465.

IF 2008=1.093

R = Rehabilitation: 22/52 (Q2)

64. G. Shefer, **E. Carmeli**, G. Rauner#, Z. Yablonka-Reuveni, D. Benayahu. Exercise running and tetracycline, as means to enhance skeletal muscle stem cell performance after external fixation. *Journal of Cellular Physiology*, 2008; 215(1):265-275.***equal contribution**

IF 2008=4.313

R = Physiology: 8/74 (Q1)

65. E. Hershko#, C Tauber, **E. Carmeli**. Bio-Feedback versus physiotherapy in patients with partial weight bearing. *American Journal of Orthopedics*, 2008; 92-96.

IF=N/A

SJR 2008=0.316

R= Medicine (miscelenious): 1339/2871 (Q2)

66. **E. Carmeli**, Y. Harpaz, Y. Fogelman. The effect of endogenous antioxidant Glabridin on oxidized LDL. *Journal of Basic and Clinical Physiology and Pharmacology*, 2008; 19 (1): 49:63.

IF=N/A

SJR 2008=0.271

R= Medicine (miscelenious): 1109/2871 (Q2)

67. **E. Carmeli**, A. Bachar, J. Merrick. Blood parameters in adults with intellectual disability at rest and after endurance exercise. *Research in Sports Medicine*, 2008; 16(4):272-280.

IF 2011 (earliest available)=1.535

R 2011= Sport Sciences: 42/85 (Q2)

68. MK. Leurer, I. Fisher#, M. Neeb, I. Schwartz, **E. Carmeli**. Reliability and validity of the modified functional reach test at the sub-acute stage post-stroke. *Disability and Rehabilitation*, 2009; 31(3):243-248. **IF= 1.555, Rank= 13/53 "Rehabilitation" Q1.**

IF 2009=1.555

R = Rehabilitation: 15/33 (Q2)

69. **E. Carmeli**, R. Marmur#, A. Cohen, E. Tirosh. Preferred sleep position and gross motor achievement in early infancy. *European Journal of Pediatrics*, 2009; 168 (6): 711-715

IF 2009=1.634

R = Pediatrics: 38/94 (Q2)

70. B. Sharon#, CB. Stopka, CA. Martinez, **E. Carmeli**. Benefits of low-intensity pain-free treadmill exercise on functional capacity of individuals presenting with intermittent claudication due to peripheral arterial disease. *Angiology*, 2009; 60 (94): 477-486.

IF 2009=1.097

R = PVD: 49/61 (Q4)

71. **E. Carmeli**, R. Beiker#, M. Mohammed. Nitric oxide and interleukin-6 levels in intellectual disability adults with epilepsy. *Research In Developmental Disabilities*, 2009; 30: 567-571.

IF 2009=4.410

R = Rehabilitation: 1/53 (Q1)

72. Z. Yizhar, S. Boulos#, O. Inbar, **E. Carmeli**. The effect of restricted arm swing on energy expenditure in healthy males. *International Journal of Rehabilitation Research*, 2009; 32(2):115-23.

IF 2011 (earliest available)=1.083

R 2011= Rehabilitation: 39/62 (Q3)

73. S. Eisenberg#, L. Zuk, **E. Carmeli**, MK Leurer. The contribution of stepping while standing to functional abilities and secondary conditions prevalence among children with severe cerebral palsy. *Pediatric Physical Therapy*, 2009; 21(1):79-85.

IF 2011 (earliest available)=0.963

R 2011= Pediatrics: 83/115 (Q3)

74. CA Martinez#, B Sharon#, CB Stopka, **E. Carmeli**. Accommodating pain-free exercise therapy for peripheral arterial disease. *Journal of Vascular Nursing*, 2009; 27(1):2-7.

IF=N/A

SJR 2009=0.173

R= Medical and Surgical Nursing: 12/29 (Q2)

75. **E. Carmeli**, E. Kodesh, CE. Nemcovsky. Tetracycline therapy for muscle atrophy due to immobilization. *Musculoskeletal and Neuronal Interactions*, 2009; 9 (2):81-88

IF 2011 (earliest available)=2.000

R 2011= Pediatrics: 173/244 (Q3)

76. A Vilnai#, **E. Carmeli**, MK. Leurer. Prevalence of injuries among the young population in sports centers - relation to the pattern of activity. *Scandinavian Journal of Medicine & Science in Sports*, 2009; 19(6):828-33.

IF 2009=2.2335

R = Sport Sciences: 12/73 (Q1)

77. **E. Carmeli**. Y. Fogelman. Antioxidant effect of polyphenolic glabridin on LDL oxidation. *Toxicology and Industrial Health*, 2009; 25(4-5):321-324.

IF 2009=0.913

R = Toxicology: 67/77 (Q4)

78. **E. Carmeli**, B Sharon#, M. Morad, E. Kodesh. Physical exercises can reduce Anxiety and improve quality of life among adults with intellectual disability. *International SportMed Journal*, 2009; 10 (2): 77-85.

IF 2009=0.171

R = Sport Sciences: 69/73 (Q4)

79. **E. Carmeli**, M. Maor, E. Kodesh. The expression of SOD and MMP-2 in Diaphragm muscle following running. *Journal of Physiology and Pharmacology*, 2009; 5:31-36.

IF 2009=1.489

R = Physiology: 55/75 (Q3)

80. KE Pena#, C. Stopka, B. Sharon, HR. Gertner, **E. Carmeli**. Effects of low-intensity exercise on patients with peripheral vascular arterial disease. *Physician and Sportsmedicine*, 2009; 37: 106-10.

IF 2011 (earliest available) =1.023

R 2011= Sport Sciences: 51/85 (Q3)

81. V. Rozenfeld#, J. Ribak, J. Danziger, J. Tsamir, **E. Carmeli**. Prevalence, risk factors and preventive strategies in work-related musculoskeletal disorders among Israeli physical therapists. *Physiotherapy Research International*, 2010; 15(3):176-84.

IF=N/A

SJR 2010=0.561

R= Physical Therapy, Sports Therapy and Rehabilitation: 16/157 (Q1)

82. T. Bezalel#, **E. Carmeli**, MK. Leurer. The effect of a group education program on pain and function through knowledge acquisition and home-based exercise among patients with knee osteoarthritis. *Physiotherapy*, 2010; 96:137-143

IF=N/A

SJR 2010=0.561

R= Physical Therapy, Sports Therapy and Rehabilitation: 16/157 (**Q1**)

83. **E. Carmeli**, R. Bartoletti, Retrospective trial of complete decongestive physical therapy for lower extremity secondary lymphedema in melanoma patients. *Supportive Care in Cancer*, 2010; 19(1):141-7.

IF 2010=2.058

R = Rehabilitation: 11/44 (**Q1**)

84. D. Rozenblit, **E. Carmeli**, G. Aiger, Z. Nevo. The elasticity and malleability of the ACL among young and adult sportsmen. *International Journal of Child and Adolescent Health*, 2010; 4 (9)769-774.

SJR 2018 (earliest available)=0.119

R 2018= Public Health, Environmental and Occupational Health: 495/530 (Q4)

85. **E. Carmeli**, R. Beiker#, M. Maor E. Kodesh. Increased iNOS, MMP-2 and HSP-72 in skeletal muscle following high intensity of exercise training. *Journal of Basic and Clinical Physiology and Pharmacology*, 2010; 21 (2):127-46.

IF=N/A

SJR 2010=0.194

R= Medicine (miscellaneous): 1755/2902 (Q3)

86. **E. Carmeli**, S. Peleg, G. Bartur, E. Elbo, JJ. Vatine. HandTutor™-Enhanced hand rehabilitation after Stroke – A pilot study. *Physiotherapy Research International*, 2010;16(4):191-200.

IF=N/A

SJR 2010=0.561

R= Physical Therapy, Sports Therapy and Rehabilitation: 16/157 (**Q1**)

87. **E. Carmeli**, C. Ariav, T. Bar-Yossef, R. Levy. Movement skills in persons with Down syndrome decrease with aging. *International Journal on Disability and Human Development*. 2010; 9(1):29–34.

IF 2010=0.213

R= Public, Environmental and Occupational Health: 140/142 (Q4)

88. A. Toledano#, D. Tene, **E. Carmeli**, M. Katz-Leurer. Feasibility, safety and efficacy of an early aerobic rehabilitation program for patients after minor ischemic stroke: A pilot randomized controlled trail. *NeuroRehabilitation*, 2011; 28(2):85-90.

IF 2011=1.635

R = Rehabilitation: 17/67 (Q2)

89. A. Tenenbaum, BS Fuchs, M. Raskas, **E. Carmeli**, S. Aspler, J. Merrick. Residential centers for persons with intellectual disability in Israel: Trend in the number of nursing care patients during 1998-2009. *International Journal of Child and Adolescent Health*, 2011; 4(4): 379-382.

IF=N/A

SJR 2018 (earliest available)=0.119

R 2018= Public Health, Environmental and Occupational Health: 495/530 (Q4)

90. A. Tenenbaum, BS Fuchs, M. Raskas, **E. Carmeli**, S. Aspler, J. Merrick. Residential centers for persons with intellectual disability in Israel: Trend in contraception methods 1999- 2009. *International Journal of Child and Adolescent Health*, 2011; 4(4): 397-400.

IF=N/A

SJR 2018 (earliest available)=0.119

R 2018= Public Health, Environmental and Occupational Health: 495/530 (Q4)

91. V. Gadidi#, MK. Leurer, **E. Carmeli**, NM. Bornstein. Long-term outcome poststroke: predictors of activity limitation and participation restriction. *Archives of Physical Medicine and Rehabilitation*, 2011; 92(11):1802-1808.

IF 2011=2.284

R = Rehabilitation: 10/62 (Q1)

After Appointment to Associate Professor at the University of Haifa

*92. A. Tenenbaum, BS Fuchs, M. Raskas, **E. Carmeli**, S. Aspler, J. Merrick. National survey 2009 on medical services for persons with intellectual disability in residential care in Israel. *International Journal of Disability and Human Development*.2012; 11 (1): 75-79.

IF=N/A

SJR 2012=0.306

R= Rehabilitation: 58/125 (Q2)

*93. **E. Carmeli**, C. Ariav, TB. Yossef, R. Levy, B. Imam. Movement skills of younger versus older adults with Down syndrome. *Research in Developmental Disabilities*, 2012; 33 (1) 165-171.

IF 2012=2.483

R = Rehabilitation: 4/67 (Q1)

*94. **E. Carmeli**, B. Imam, A. Bachar, J. Merrick. Inflammation and oxidative stress as biomarkers of premature aging in persons with intellectual disability. *Research in Developmental Disabilities*, 2012; 33(2):369-375.

IF 2012=2.483

R = Rehabilitation: 4/67 (Q1)

*95. **E. Carmeli**, A. Bachar, R. Beiker#. Expression of global oxidative stress and matrix metalloproteinase's is associated with Rett syndrome. *Neurochemical Journal*, 2012; 5(2): 141-145.

IF 2012=0.235

R = Neurosciences: 247/252 (Q4)

*96. **E. Carmeli**, C. Ariav, TB. Yossef, R. Levy. B. Imma. The relationship of pre-sarcopenia (low muscle mass) and sarcopenia (loss of muscle strength) with functional decline in individuals with intellectual disability (ID). *Archives of Gerontology and Geriatrics*, 2012; 5(1):181-5.

R= Geriatrics and Gerontology: 31/47 (Q3)

*97. **E. Carmeli**, J. Merrick, B. Imma, R. Levy. Exercises and sports participation in healthy older adults with intellectual disability – A pilot study. *Health*, 2012; 4(9): 769-773

IF 2012=1.137

R= Public, Environmental and Occupational Health: 82/139 (Q3)

*98. O. Zur, A. Ronen, I. Melzer, **E. Carmeli**. Vestibular-Ocular Reflex impairment and balance in children with mild-to-moderate intellectual disability. *Research in Developmental Disabilities*.2013; 34: 1951-1957.

IF 2013=2.735

R = Rehabilitation: 2/69 (Q1)

*99. J. Merrick, A. Bachar, **E. Carmeli**, E. Kodesh. Effects of aerobic exercise on body composition and muscle strength in over-weight to obese old women with intellectual disability: A Pilot Study. *The Open Rehabilitation Journal*, 2013; 6: 43-48

IF=N/A
SJR=N/A

*100. **E. Carmeli**, B. Imam, R. Levi, J. Merrick. Hand grip strength is associated with body sway rate among older adults with intellectual and developmental disability. *Journal of Policy and Practice in Intellectual Disabilities*, 2013; 10 (4), 321-325.

Thomson Reuters ISI, IF = 0.629, Rank = 42/67 "Rehabilitation" Q3.

IF 2013=0.629
R = Rehabilitation: 57/69 (Q4)

*101. O. Yosef-Brauner#, A. Nimrod, T. Ben Shahar , E. Yehezkel, **E. Carmeli**. Effect of physical therapy on muscle strength, respiratory muscles and functional parameters in patients with intensive care unit acquired weakness. *Clinical Respiratory Journal*, 2013; 9 (1): 1-6.

IF 2013=2.197
R = Respiratory Medicine: 34/54 (Q3)

*102. O. Zur, **E. Carmeli**. The University of California Los-Angeles-Dizziness Questionnaire (UCLA-DQ) advantages and disadvantages. *Journal of Vestibular Research- Equilibrium and Orientation*, 2014; 23(6):279-83.

IF 2014=1.190
R = Otorhinolaryngology: 25/44 (Q3)

*103. T. Bezalel#, **E. Carmeli**, E. Been, L. Kalichman. Scheuermann's disease. A review of current diagnosis and treatment approach. *Journal of Back and Musculoskeletal Rehabilitation*, 2014; 27(4):383-90

IF 2014=0.705
R = Orthopedics: 54/72 (Q3)

*104.J. Merrick, M. Morad, **E. Carmeli**. Intellectual and developmental disabilities. Male health. *Frontiers in Public Health*, 2014; 2:208-210.

IF 2018 (earliest available)=2.031
R 2018= Public, Environmental and Occupational Health: 89/185 (Q2)

*105. L. Zuk, H. Tlumeck, M#. Katz-Leurer, C. Peretz, **E. Carmeli**. A New Tool for Identifying Children with Motor Problems: Reliability and validity study. *Journal of Child Neurology*, 2014, 21(1):79-85.

IF 2014=1.717
R=Pediatrics: 48/120 (Q2)

*106. R. Givon-Mayo, E. Simon, H. Karpin, A. Ori, S. Israely#, **E. Carmeli**. Error enhancement of the velocity component in the course of Stroke patients reaching movements. A preliminary study. *International Journal of Therapy and Rehabilitation*, 2014; 21 (4): 160-168.

IF=N/A
SJR 2014=0.186
R= Rehabilitation: 87/128 (Q3)

*107. **E. Carmeli**, M. Katz-Laurer, S. Scena, E. Kodesh, R. Steindler. Functional reach test performance in distance and velocity- A pilot study. *European Journal of Physiotherapy*, 2014; 8(10): 715-720. **ISI IF N/A. Scimago journal SJR IF = 0.169, Rank 123/167 "Rehabilitation" Q3.**

IF=N/A
SJR 2014=0.123
R= Physical Therapy, Sports Therapy and Rehabilitation: 157/189 (Q4)

*108 O. Zur, R. Dickstein, E. Dannenbaum, E. **Carmeli**, J. Fung. The influence of visual vertigo and vestibulopathy on oculomotor responses. *Journal of Vestibular Research –Equilibrium and Orientation*, 2014; 24(4):305-11.

IF 2014=1.190
R = Otorhinolaryngology: 25/44 (Q3)

*109. **E. Carmeli**, B. Imam, E. Kodesh. Effects of moderate exercise training on spatial behavior among old mice – preliminary results. *The Open Rehabilitation Journal*, 2014; 7: 6-10.

IF=N/A
SJR=N/A

*110. R. Eilat##, B. Hazor, **E. Carmeli**. Association between quality of life and team achievement among wheelchair basketball players – A survey study. *International Journal on Disability and Human Development*.2 (14) 2015; 14 (2): 161-164.

IF 2011 (latest available)=0.300

R 2011= Public, Environmental and Occupational Health: 152/158 (Q4)

*111. K. Dipnarine, S. Barak, CA. Martinez#, **E. Carmeli**, CB. Stopka. Pain-free treadmill exercise to improving performance in Intermittent claudication people.

Vascular, 2016; 24(3):304-14

IF 2016=0.733

R = Peripheral Vascular Disease: 63/63 (Q4)

*112. **E. Carmeli**, A. Bachar, O Rom, D. Aizenbud. Oxidative stress and nitric oxide in sedentary older adults with intellectual and developmental disabilities. *Advances in Experimental Medicine and Biology*, 2016;884:21-27.

IF 2016=1.937

R = Biology: 33/85 (Q2)

*113. Y. Marcus, E. Segev, G. Shefer, J. Sack, B. Tal, M. Yaron, **E. Carmeli**, M. Margaliot, R. Limor, S. Gilad, Y. Sofer, N. Stern. Multidisciplinary treatment of the metabolic syndrome lowers blood pressure (BP) variability independent of BP control. *Journal of Clinical Hypertension*, 2016; 18(1):19-24.

IF 2016=3.242

R = Peripheral Vascular Disease: 25/63 (Q2)

*114. O. Zur, T. Shaki, **E. Carmeli**. Concurrent validity and reliability of a new balance scale used in older adults. *Advances in Experimental Medicine and Biology*, 2016; 910:63-70.

IF 2016=1.937

R = Biology: 33/85 (Q2)

*115. Y. Fogelman, E. Kitai, G. Blumberg, A. Golan-Cohen, M. Rapoport, **E. Carmeli**. Vitamin B12 screening in metformin-treated diabetics in primary care: were elderly patients less likely to be tested? *Aging Clinical and Experimental Research*. 2016 29(2):135-139.

IF 2016=1.349

R= Geriatrics and Gerontology: 40/49 (Q4)

*116. Y. Fogelman, D. Gaitini, **E. Carmeli**. Antiatherosclerotic effects of licorice extract supplementation on hypercholesterolemic patients: decreased CIMT, reduced

plasma lipid levels, and decreased blood pressure. *Food & Nutrition Research* 2016; 22;60: 308-314. Thomson Reuters ISI, IF = 2.162 Rank- 29/123, "Food Science & Technology" Q1.

IF 2016=2.039

R= Food Science and Technology: 42/130 (Q2)

*117. Y. Galkin#, N. Gilad, **E. Carmeli**. Effects of slackline Vs pilates on anterior core muscles strength. *International Journal of Current Multidisciplinary Studies*. 2016; 2(4): 212-217. ISI IF N/A, SJIF=3.339 (<http://journalijcms.com/impact-factor>) V.

IF=N/A

SJR=N/A

*118. Y. Simchon#, O. Turetsky#, **E. Carmeli**. Characterization of Physical Activity in Undergraduate Students in Israel. *International Journal of Adolescent Medicine and Health*. 2016; 29 (6): 1-6.

SJR 2016=0.396

R= Public Health, Environmental and Occupational Health: 293/532 (Q3)

*119. S. Scena, R. Steindler, M. Ceci, SM Zuccaro, **E. Carmeli**. Computerized functional reach test to measure balance stability in elderly patients with neurological disorders. *Journal of Clinical Medicine Research*. 2016; 8(10):715-20.

IF=N/A

SJR=N/A

*120. S. Israely#, **E. Carmeli**. Handwriting performance versus arm forward reach and grasp abilities among post-stroke patients, a case-control study. *Topics in Stroke Rehabilitation*. 2017; 24(1):5-11.

IF 2017=1.771

R= Rehabilitation: 31/65 (Q2)

*121. O. Zur, Y. Fogelman, **E. Carmeli**. Measuring balance at high altitudes. To be published in: *Functional Neurology, Rehabilitation, and Ergonomics*, 2016, 6 (4): 407-413.

IF=N/A

SJR=N/A

*122. L. Kalichman, **E. Carmeli**, E. Been. Association between imaging parameters of paraspinal muscles, spinal degeneration, and low back pain. *Biomed Research International* 2017; 2017 (2562957): 1-14.

IF 2017=2.583

R= Medicine, Research & Experimental: 71/133 (Q3)

*123. S. Israely#, G. Leisman, **E. Carmeli**. Improvement in arm and hand function after a stroke with task-oriented training. *British Medical Journal – Case reports* bcr2017; 2017 (219250)

IF=N/A

SJR=N/A

*124. A. Buch#, O. Kis, **E. Carmeli**, L. Keinan Boker, Y. Berner, Y. Barer, G. Shefer, Y. Marcus, N. Stern. Circuit resistance training is an effective means to enhance muscle strength in older adults - A Meta-analysis. *Ageing Research Reviews* 2017, S1568-1637.

IF 2017=8.973

R= Cell Biology: 23/190 (Q1)

*125. Khamis#, G. Leisman, **E. Carmeli**. Detecting the presence of leg length discrepancy based on gait deviations and functional measurement of leg length during walking. *British Medical Journal – Case reports* bcr-2017; 2017 (219645).

IF=N/A

SJR=N/A

*126. O. Zur, Y. Berner, Y. Ohel, **E. Carmeli** Two years follow-up of fall prediction among older adults in an independent-living community. 2017; 1040:63-71.

Advances in Experimental Medicine and Biology

IF 2017=1.760

R= Biology: 38/85 (Q2)

*127. S. Khamis#, B. Danino; S. Springer; S. Wientroub **E. Carmeli**. Detecting anatomical leg length discrepancy using the Plug-in-Gait. *Applied Sciences*, 2017;7: 925-929. Thomson Reuters ISI, IF= 1.679 Rank: 75/162 “Physics Applied” Q2.

IF 2017=1.689

R= Physics Applied: 77/146 (Q3)

*128. O. Zur, H. Ben-Rubi Shimron, G. Leisman, **E. Carmeli**. Balance vs. hearing after cochlear implant in an adult. *British Medical Journal – Case reports*. bcr-2017; 2017 (220391).

IF=N/A
SJR=N/A

*129. Y. Fogelman, **E. Carmeli**, M. Amir, S. Vulfsons. Specialized pain clinics in primary care: Common diagnoses, referral patterns and clinical outcomes – A tour de force of a novel pain management model. *Advances in Experimental Medicine and Biology* 2018, 1047:89-98,

IF 2018=2.126
R= Biology: 30/87 (Q2)

*130. S. Israely#, G. Leisman, C. Machluf, **E. Carmeli**. Direction modulation of muscle synergies in a hand reaching task. *IEEE transactions on neural systems and rehabilitation engineering* 2017, 5(12):2427-2440

IF 2017=3.478
R= Rehabilitation: 5/65 (Q1)

*131. S. Khamis#, B. Danino, S. Krimus, **E. Carmeli**. Measuring clearance mechanics based on dynamic leg length. *Measurement in Physical Education and Exercise Science*, 2017, 22: 1-9.

IF=N/A
SJR 2017=0.810
R= Orthopedics and Sport Medicine: 85/270 (Q2)

*132. S. Israely#, G. Leisman, **E. Carmeli**. Improvement in hand trajectory reaching movements by error-augmentation. *Advances in Experimental Medicine and Biology*, 2018, 1070:71-84.

IF 2018=2.126
R= Biology: 30/87 (Q2)

*133. M. Estévez-Báez, C. Machado, J. Montes-Brown, J. Jas-García, G. Leisman, A. Schiavi, A. Machado-García, C. Carricarte-Naranjo, **E. Carmeli**. Very high frequency oscillations of heart rate variability in healthy humans and in patients with cardiovascular autonomic neuropathy. *Advances in Experimental Medicine and Biology*, 2018; 1070:49-70.

IF 2018=2.126

R= Biology: 30/87 (Q2)

*134. T. Bezalel#, **E. Carmeli** L. Kalichman. Adaptation of the scoliosis research society-22 questionnaire for the Hebrew language: Transcultural adaptation and reliability analysis. *Spine Deformity* 2018, 6(4):397-402

IF=N/A

SJR 2018=1.057

R= Orthopedic and Sport Medicine: 51/270 (Q1)

*135. S. Khamis#, **E. Carmeli**. The effect of simulated leg length discrepancy on lower limb biomechanics during gait. *Gait and Posture*, 2018, 61:73-80, Thomson Reuters ISI

IF= 2.286 Rank: 21/85 "Sport Sciences" Q1.

IF 2018=2.414

R= Sport Sciences: 28/83 (Q2)

*136. S. Israely#, G. Leisman, C. Chaim Machluf, **E. Carmeli**. Muscle synergies control during hand-reaching tasks in multiple directions post-stroke. 2018;12(10):1-16.

IF 2018=2.323

R= Mathematical and Computational Biology: 13/59 (Q1)

*137. A. Woldman#, N. Kaneti, **E. Carmeli**. Evaluation of pressure applying efficiency in multi-layer bandaging among physiotherapists who treat Lymphedema. *Lymphatic Research and Biology*. 2018,16(5):453-457, Thomson Reuters ISI, IF= 1.551 Rank:

91/128 "Medicine, Research, Experimental" Q3.

IF 2018=1.493

R= Medicine, Research Experimental: 108/136 (Q4)

*138. S. Israely#, G. Leisman, **E. Carmeli**. Improvement in hand trajectory of reaching movements by error-augmentation. *Advances in Experimental Medicine and Biology*, 2018, 1070:71-84.

IF 2018=2.126

R= Biology: 30/87 (Q2)

*139. A. Buch#, L. Keinan-Boker Y. Berner, **E. Carmeli**, R. Goldsmith, N. Stern. Estimated frailty prevalence among Israeli elderly - results from a cross sectional national survey. *Israel Journal of Health Policy Research*. 2018; 7(1):18-25.

IF 2018=1.662

R= Health Policy & Services: 52/81 (Q3)

*140. T. Bezalel#, **E. Carmeli**, L. Kalichman. Scheuermann's Disease: Radiographic Pathomorphology and Association with Clinical Features. *Asian Spine Journal*. 2018; 13(1):86-95.

IF=N/A

SJR 2018=0.577

R= Orthopedics and Sport Medicine: 117/270 (Q2)

*141. A. Buch#, **E. Carmeli**, Y. Berner, L. Keinan Boker, Marcus, R. Goldsmith, Y. Stein, N. Stern. Cognitive impairment and the association between frailty and functional deficits are linked to abdominal obesity in the elderly. *Maturitas*. 2018, 114:46-53, **equal contribution**.

IF 2018=3.654

R= Obstetrics and Gynecology: 9/83 (Q1)

*142. A. Buch#, L. Keinan Boker, O. Kis, **E. Carmeli**, E. Izhkocov, M. Ish-Shalom, Y. Berner, G. Shefer, Y. Marcus, N. Stern. Severe central obesity or diabetes can replace weight loss in the detection of frailty in obese younger elderly A preliminary study. *Clinical Interventions in Aging*. 2018,13:1907-1918.

IF 2018=2.585

R= Geriatrics & Gerontology: 31/53 (Q3)

*143. S. Khamis#, B. Danino, D. Ovadia, **E. Carmeli**. Correlation between Gait Asymmetry and Leg Length Discrepancy- What is the Role of Clinical Abnormalities? *Applied Sciences-Basel*, 2018, 8 (10): 1979-1985

IF 2018=2.217

R= Chemistry Multidisciplinary: 89/172 (Q3)

*144. S. Khamis# , S. Springer, D. Ovadia, S. Krimus, **E. Carmeli** Measuring dynamic leg length during normal gait. *Sensors*, 2018, 18 (12): 4191-4197

IF 2018=3.031

R= Instruments & Instrumentation: 15/61 (Q1)

*145. T. Bezalel#, **E. Carmeli**, D. Levi, L. Kalichman. The Effect of Schroth Therapy on Thoracic Kyphotic Curve and Quality of Life in Scheuermann's Patients: A Randomized Controlled Trial. *Asian Spine Journal*. 2019;13(3):490-499,

IF=N/A

SJR 2018=0.577

R= Orthopedics and Sport Medicine: 117/270 (Q2)

*146. Bezalel T, Carmeli E, Kalichman L. Introduction of the Novel Radiographic Line (L5-Kyphosis Apex Line) Intended to Evaluate Scheuermann's Disease and Postural Kyphosis Progression on Standard Lateral X-Rays. *Asian Spine Journal*. 2020 Jan 17. doi: 10.31616/asj.2019.0213.

IF=N/A

SJR 2018=0.577

R= Orthopedics and Sport Medicine: 117/270 (Q2)

Published - Hebrew

147. A. Brescha#, **E. Carmeli**. Factors influenced physical therapy students to work with elderly people. *Journal of Israel Physical Therapy Society*, 1998, 56: 27-30.

148. White#, **E. Carmeli**. Shoulder pain among swimmers. *Physical Education and Sport Science*, 1999, 54: 8-11.

149. K. Kennedy#, **E. Carmeli**. Low back pain and oligomenorrhea among long-distance female runners. *Journal of Physical Education and Sport Science*, 1999, 52:6-8.

150. **E. Carmeli**, SL. Sheklow, T. Ahlip#. The relationship of ankle plantar flexor strength and step/stride in the elderly population. *Journal of Israel Physical Therapy Society*, 2000, 2 (1):7-10.

151. Y. Bar, **E. Carmeli**, Z. Nevo, N. Halperin. The quality of MCL regeneration under various treatments following complete knee dislocation. *Journal of Israel Physical Therapy Society*, 2000, 2 (2): 15-18.

152. **E. Carmeli**, S. Barchad, Z. Zeiger, V. Carmeli. Clinical characteristics of aging adults with mental retardation. *Israeli Journal of Gerontology*, 2001, 28 (1): 45-55.

153. **E. Carmeli**, V. Ben Yaacov, E. Eshed. Clinical tests for balance for elderly people. Correlation test. *Israeli Journal of Gerontology*, 2001, 28 (3-4): 53-70.

154. D. Alperovish, H. Ring, **E. Carmeli**. Work-related musculoskeletal disorders of the upper extremities among working women. *Israel Occupational Therapy Journal*, 2002, 11(2): 55-68.

155. O. Zur#, **E. Carmeli**, YN. Berner, M. Himelfarb. Vestibular function, falls and hip fracture in elderly – a relationship study. *Harefuah*, 2004, 143 (3):197-202.

156. N. Ben Nacum#, Y. Kolesnikov, M. Agmon, J. Merrick, **E. Carmeli**. Directed interfering program to prevent falling and improve balance, among adult population with mental retardation. *Journal of Israel Physical Therapy Society*, 2004, 6(1):6-9.

157. E. Hershko#, H. Tauber, **E. Carmeli**. Partial weight bearing after surgeries of lower limbs. *Israel Physiotherapy Journal*, 2006, 8 (1): 24-29.
158. E. Tveria, S. Mendelevich, S. Peleg, G. Bartur, JJ. Vatine, **E. Carmeli**. Continuous passive movements influences oxygen saturation and daily activity in inactive elderly. *The Israeli Physiotherapy Society*, 2006, 7: 24-27.
159. **E. Carmeli**, S. Peleg. Progressive home exercise program in patients with severe knee osteoarthritis- Effectiveness evaluation: A pilot study. *Gerontology: Journal of Aging Studies*. 2007, 34 (1): 105-114.
160. E. Raveh#, Y. Ribek, **E. Carmeli**. The influence of practicing Tai Chi Chuan and aerobic exercise on job-related stress and burnout among high-tech workers in Israel. *Journal of Israel Physical Therapy Society*, 2008, 10 (2): 17-23.
161. S. Bookai-Pinchuk#, Y. Berner, M. Sagiv, **E. Carmeli**. Physiological responses during exercise in mild to moderate post stroke male patients. *Harefuah*, 2008,147(2):111-116
162. L. Nissan-Lavi#, **E. Carmeli**. Stroke patients in the community: Comparison of the effect of physical therapy group training and walking training. *The Journal of the Israeli Physiotherapy Society*, 2009, 11 (1): 3-8.

Reviews and Systematic Reviews (Refereed)

Published - English

163. **E. Carmeli**, R. Coleman. The clinical characteristics of aging adults with mental retardation. *Physical Therapy Reviews*, 2002, 6:267-271.

IF=N/A
 SJR 2002=0.184
 R= Rehabilitation: 53/92 (Q3)

164. **E. Carmeli**, R. Coleman, AZ Reznick. The Biochemistry of Aging Muscle. *Experimental Gerontology*, 2002, 37:477-489.

IF 2002=3.535
 R= Geriatrics and Gerontology: 2/27 (Q1)

165. J. Merrick, **E. Carmeil**. Down syndrome and musculoskeletal concerns. *Down Syndrome Quarterly*, 2002, 7 (1): 1-5

IF=N/A

SJR = N/A

166. **E. Carmeli**, H. Patish, R. Coleman. The Aging Hand. *Journal of Gerontology*, 2003, 58(2):146-152.

IF=N/A

SJR 2003=1.539

R= Geriatrics and Gerontology: 6/94 (Q1)

167. J. Merrick, **E. Carmeli**. A review on the prevalence of disabilities in children.

The Internet Journal of Pediatrics and Neonatology, 2003; 4(1): 1-8

IF=N/A

SJR 2010 (earliest available)=0.19

R= Pediatrics, Perinatology and Child Health: 259/278 (Q4)

168. J. Merrick, M. Morad, **E. Carmeli**. Poverty, children and families in Israel. A public health concern. *The Internet Journal of Pediatrics and Neonatology*, 2003, 3(1):1-6.

IF=N/A

SJR 2010 (earliest available)=0.19

R= Pediatrics, Perinatology and Child Health: 259/278 (Q4)

169. **E. Carmeli**, H. Patish, R. Coleman. The Aging Hand. *Journal of Gerontology*, 2003, 58(2):146-152.

IF=N/A

SJR 2003=1.539

R= Geriatrics and Gerontology: 6/94 (Q1)

170. **E. Carmeli**, M. Moas, R. Coleman, AZ. Reznick. MMPs and skeletal muscle.

Muscle & Nerve, 2004, 29:191-197.

IF 2004=2.432

R= Neuroscience: 88/198 (Q2)

171. J. Merrick, K. Bergwerk, M. Morad, **E. Carmeli**. Blindness in adolescents in Israel. *International Journal of Adolescent Medicine and Health*, 2004, 16 (1):79-81.

IF=N/A

SJR 2004=0.165

R= Pediatrics, Perinatology and Child Health: 156/236 (Q3)

R= Public Health, Environmental and Occupational Health: 274/390 (Q3)

172. M. Lotan, J. Merrick, **E. Carmeli**. Physical activity in adolescence. A review

with clinical suggestions. *International Journal of Adolescent Medicine and Health*, 2005, 17(1):13-21. V.

IF=N/A

SJR 2005=0.189

R= Pediatrics, Perinatology and Child Health: 151/245 (Q3)

R= Public Health, Environmental and Occupational Health: 257/399 (Q3)

173. M. Lotan, J. Merrick, **E. Carmeli**. A review of physical activity and well-being. *International Journal of Adolescent Medicine and Health*, 2005, 17(1):23-31. V.

IF=N/A

SJR 2005=0.189

R= Pediatrics, Perinatology and Child Health: 151/245 (Q3)

R= Public Health, Environmental and Occupational Health: 257/399 (Q3)

174. **E. Carmeli**. The molecular basis of aging skeletal muscle and physical activity. *European Review of Aging and Physical Activity*, 2005; 2:57-66. V.

IF 2009 = 0.550

R= Geriatrics and gerontology: 39/40 (Q4)

175. **E. Carmeli**, J. Merrick. Physical activity for aging person with Down syndrome. *International Journal of Disability and Human development*, 2006, 5(4):343-334. V.

IF=N/A

SJR 2006=0.167

R= Geriatrics & Gerontology: 68/103 (Q3)

176. **E. Carmeli**, J. Merrick. Aging, exercise and persons with intellectual disability- A review. *International Journal of Disability and Human development*, 2007, 6(1):11-14. V.

IF=N/A

SJR 2007=0.139

R= Geriatrics & Gerontology: 74/106 (Q3)

177. **E Carmeli**. Aspects of assistive gerontechnology. *International Journal of Disability and Human Development*, 2009, 8(3):215-217

Professions” Q4.

IF=N/A

SJR 2009=0.134

R= Geriatrics & Gerontology: 87/108 (Q4)

178. **E. Carmeli**, J. Merrick. Aging people with intellectual disability in Israel. *International Journal on Disability and Human Development*, 2010, 9(4): 263-267

IF=N/A
SJR 2010=0.148
R= Geriatrics & Gerontology: 81/115 (Q4)

*179. **E. Carmeli**. Feedback and neuroplasticity rehabilitation for brain damage
Chinese Journal of Physical Medicine and Rehabilitation, 2014, 36 (3), 231-234.

IF=N/A
SJR =N/A

*180. **E. Carmeli** , B. Imam . Health promotion and disease prevention strategies in older adults with intellectual and developmental disabilities. *Public Health*, 2014, 14;2:31-34.

IF 2014 = 1.434
R= Public, Environmental and Occupational Health: 92/165 (Q3)

*181. **E. Carmeli**. The invisibles: unpaid caregivers of the elderly. *Frontiers in Public Health*, 2014, 2:91-93.

IF 2018 (earliest available) = 2.031
R= Public, Environmental & Occupational Health: 89/185 (Q2)

*182. **E. Carmeli**, D. Aizenbud, O. Rom. How Do Skeletal Muscles Die? An Overview. *Advances in Experimental Medicine and Biology*, 2015, 861:99-111.

IF 2015=1.935
R= Biology: 26/86 (Q2)

*183. **E. Carmeli**. Anxiety in the Elderly can be a vestibular problem. *Frontiers in Public Health*, 2015; 24; 3:216-218.

IF 2018 (earliest available) = 2.031
R= Public, Environmental & Occupational Health: 89/185 (Q2)

*184. A. Buch#, **E. Carmeli**, Y. Markus, G. Shefer, T. Kenan-Boker, O. Kiss, N. Stern. Muscle function and fat content in relation to sarcopenia, obesity and frailty of old age— an overview. *Experimental Gerontology*, 2016, 76:25-32.

IF 2016 = 3.340
R= Geriatrics & Gerontology: 12/49 (Q1)

*185. **E. Carmeli**. Error augmentation: the alternative approach to treat brain injury— Short communication. *Journal of Aging Science*. 2016, 4 (3): 1-2.

IF=N/A
SJR =N/A

- *186. S. Israely#, **E. Carmeli**. Error augmentation as a possible technique for Improving upper extremity motor performance after a stroke – a systematic review. *Topics in Stroke Rehabilitation*, 2016;23(2):116-25.
 IF 2016 = 1.216
 R= Rehabilitation: 41/65 (Q3)
- *187. **E. Carmeli**. Frailty and sarcopenia. *Advances in Experimental Medicine and Biology* , 2017, 1020:53-68.
 IF 2016 = 1.760
 R= Biology: 38/85 (Q2)
- *188. S. Khamis#, **E. Carmeli** A new concept for measuring leg length discrepancy . *Journal of Orthopaedics* 2017, 14: 276-280.
 IF = N/A
 SJR 2017 = 0.435
 R= Orthopedics & Sport Medicine: 139/272 (Q3)
- *189. S. Khamis#, **E. Carmeli**. Relationships and significance of gait deviations in leg length discrepancy: A Systematic Review. *Gait & Posture* 2017, 57:115-123.
 IF 2017 = 2.273
 R= Sport Sciences: 31/81 (Q2)
 R=Orthopedics: 29/77 (Q2)
- *190. **E. Carmeli**. Physical Therapy for neurological conditions in Geriatric. *Frontiers in Public Health*, 2017.5: 333-336. ISI IF N/A..
 IF 2018 (earliest available) = 2.031
 R= Public, Environmental & Occupational Health: 89/185 (Q2)
- *191. S. Israely#, G. Leisman, C. **E. Carmeli**. Neuromuscular synergies in motor control in normal and post stroke individuals. *Reviews in the Neurosciences* 2018, 29 (6): 593-601.
 IF 2018 = 2.157
 R= Neurosciences: 199/267 (Q3)
- *192. **R. Heimer#**, **E. Carmeli**. Successful Aging, Physical Function and Frequency of Physical Activity Among Former Elite Athletes Versus the General Population. *Israel Physical Therapy Journal*. Dec 2019

Published – Hebrew (Reviews)

193. **E. Carmeli.** Fracture of the Femur's neck: Pathology and treatment. *Israel Physiotherapy Journal*, 1991, 40:8-11.
194. **E. Carmeli, V. Carmeli.** The role of the sensory system for the development of the motor system. *Journal of Physical Education and Sport Science*, 1992, 5:3-6.
195. **E. Carmeli, AZ. Reznick.** The effect of growth hormone on skeletal muscle as a model for aging process. *Israeli Journal of Gerontology*, 1992, 55:3-7.
196. **E. Carmeli.** Growth hormone and athletes. *Journal of Physical Education and Sport Science*, 1993, 7:3-4.
197. **E. Carmeli.** The elderly gait. *Israel Physiotherapy Journal*. 1995, 48:14-16.
198. **E. Carmeli.** Growth hormone and the skeletal muscle. *Israel Physiotherapy Journal*, 1995,49:8-10.
199. **E. Carmeli.** The elderly gait. *Israel Physiotherapy Journal*. 1995; 48:14-16.
200. **E. Carmeli.** Growth hormone and the skeletal muscle. *Israel Physiotherapy Journal*, 1995,49:8-10.
201. **E. Carmeli.** Soft tissue contractures and splint therapy. *Israel Physiotherapy Journal*,1996, 51:17-19.
202. **E. Carmeli, P. Orbach.** The effect of physical exercise on the heart and musculoskeletal system in elderly people. *Journal of Physical Education and Sport Science*, 1997, 51:3-5.
203. **E. Carmeli.** The role of physiotherapist in diagnostic balance impairments and fall prevention in elderly people. *Israeli Journal of Gerontology*, 1997, 78:66-72.
204. **E. Carmeli.** Pain: over view. *Israel Physiotherapy Journal*, 1997, 54:7-13.
205. **E. Carmeli.** Professional ethics, and the future of the health system. *Israel Physiotherapy Journal*, 1999, 1:26-28.
206. **E. Carmeli.** Depression and aging. *Israel Physiotherapy Journal*, 1999, 2 (1):21-24.
207. **E. Carmeli.** Motor control and Parkinson's disease. *Journal of Physical Education and Sport Science*, 2000, 56:14-16.
208. **E. Carmeli.** The changes in skeletal tendon as a model for aging process. *Israeli Journal of Gerontology*, 2000, 27:185-192.
209. **E. Carmeli, AZ Reznick.** Biochemical and histochemical differences between young and old skeletal muscles. *Physical Education and Sport Science*, 2000, 56: 5-9.

210. **E. Carmeli**, N. Zarzhevsky, H. Stein, AZ. Reznick. Mechanisms in aging muscle: Disuse and recovery. *Israeli Journal of Gerontology*, 2000, 27 (2-3):147-161.
211. **E. Carmeli**. Motor control and Parkinson's disease. *Journal of Physical Education and Sport Science*, 2000, 56:14-16.
212. **E. Carmeli**. The changes in skeletal tendon as a model for aging process. *Israeli Journal of Gerontology*, 2000; 27:185-192.
213. AZ. Reznick, **E. Carmeli**, R. Nagler. Cigar smoke and antioxidants. *Israeli Journal of Gerontology*, 2001, 293-294.
214. **E. Carmeli**, M. Offir. Biochemical events and molecular mechanisms of intracellular protein degradation in skeletal muscle. *Israel Physiotherapy Journal*, 2001, 3(2):16-22.
215. **E. Carmeli**, M. Wertheim, S. Verner. Geriatric rehabilitation: A model of regulation and training control. *Israel Physiotherapy Journal*, 2002, 4 (1):24-26.
216. **E. Carmeli**, M. Wertheim, M. Katz-Leurer. Combine tests to measure functional capability in elderly people. *Harefuah*, 2003, 142 (4):257-262.
217. M. Lotan, **E. Carmeli**, H. Perez, E. Isakov. Time and distance parameters as an walking evaluation tool among children with intellectual disability. *Israel Association of Physical and Rehabilitation Medicine*, 2004, 22:12-14.
218. **E. Carmeli**. The synovial cartilage as a model for aging process. *Israel Physiotherapy Journal*, 2006, 7 (2): 5-7.
219. **E. Carmeli**. The root of cancer and its relation to aging. *Israel Physiotherapy Journal*, 2006, 8 (2): 39-40.
- *220. A. Buch#, **E. Carmeli**. Obesity, sarcopenia and frailty in one body. *Israel Journal of Gerontology Studies*. 2016, 40 (3): 31-45.
- *221. **E. Carmeli**. The mechanism of muscle retention. *Israel Journal of Physical Therapy*, 2016, 11 (1):21-33.
- *222. O. Zur, O. Ilan, H. Shimron, **E. Carmeli**. Horizontal canal - benign paroxysmal Positional vertigo (HC-BPPV) – clinical diagnostic procedures. *Harefuah*, 2017, 3:176-182. ISI IF N/A. SCImago Journal Rank (SJR) IF =0.120 Rank = 99/155. "Medicine", Q3.

E. Articles or Chapters in Scientific Books

1. **E. Carmeli**, G. Lavian, AZ. Reznick. The role of antioxidant nutrition in exercise and aging. In: Zsolt Radak (Edt), *Free Radicals in Exercise and Aging*. 2000, Chapter 3, pp 73-115, Human Kinetics.
2. C. Cahana J. Merrick, **E. Carmeli**. The involvement of physiotherapists in the implementation of assistive technology for persons with intellectual disability in Israel. A National Survey. In: Marincek C, Buhler C, Knops H, Andrich R, eds. *Assistive technology. Added value to quality of life*. 2001, Amsterdam: IOS Press, pp 677-80.
3. **E. Carmeli**, R. Coleman, AZ. Reznick. Antioxidants in Aging. In: *Nutrition for Longevity*. 2003, E. Lebenthal (Edt), Danone, pp 36-66.
4. **E. Carmeli**, AZ. Reznick. Aging skeletal muscle. In: *Aging and Gerontology in Israel*. 2003, A. Rosin (Edt), JDC-ESHEL, pp 227-236, in Hebrew.
5. **E. Carmeli**, DG. Liebermann. The function of the aging hand. In: *The geriatric rehabilitation manual*, 2007, Timothy L Kauffman (Edt.), Churchill-Livingstone Elsevier, PA, USA, Chapter 65, pp 481-485.
6. **E. Carmeli**, P. Orbach, DL. Lowenthal, J. Merrick, R. Coleman. Cardiorespiratory capacity, blood pressure, blood lipids and body composition over time on the elderly. In: *Aging and Disability*. Isack Kandel, Patricia Schofield and Joav Merrick, Edts), International Academic Press, Trafford Victoria, BC, Canada, 2007. Chapter 5, pp 73-93.
7. **E Carmeli**, A. Saposhnik, P. Ya'akobi, H. Faran, Z. Fisher, Y. Goldman, G. Neeman, A. Feazadeh. Patellofemoral pain syndrome. *Pain Management Yearbook*, 2008; Chapter 3, ISI IF N/A..
8. **E. Carmeli**, J. Merrick. Attention deficit hyperactivity disorder and persons with intellectual disability. In: *Attention deficit hyperactivity disorder*. Stuart M. Gordon and Aileen E. Mitchell (Eds), Nova Biomedical Books (New York), 2009, Chapter 14, pp 297-302.
9. **E. Carmeli**. *Introduction to Human Nutrition*. 2nd Edition, Edited by: Michael J Gibney, Susan A Lanham-New, Aedin Cassidy and Hester H Vorster, Wiley-Blackwell, 2009
- *10. **E. Carmeli**, B. Imam and J. Merrick. Assistive technology and older adults. In: Leslie Rubin,(editor),*Springer_Book_322080 Rubin and Crocker 3rd Edition: Health Care for People with Intellectual Developmental Disabilities across the Lifespan*, Chapter 117, 1465-1471, 2016.
- *11. **E. Carmeli**, J. Merrick. Sarcopenia: Facts and challenges. In:

Springer Book 322080 Rubin and Crocker 3rd Edition: edited by Leslie Rubin, Health Care for People with Intellectual and Developmental Disabilities Across the Lifespanpp. Chapter 118, pp 1473-1477, 2016.

*12. J. Merrick , A. Tenenbaum , M. Morad, **E. Carmeli**. A short history of disability aspects from Israel. The Routledge History of Disability, pp. 94-114, Taylor and Francis, 2017

*13. **E. Carmelil**, R. Ladani, A Berg-Verman, S. Razinski, G. Brodesky. Family caregivers: Partners in Treatment Cycle.. In: Meetings at the World of Health, Shefran Sigal, Yehushua Shemer and Weiss Yossi (Eiditors). Chapter 1, pp 38-48, Akademon, 2019 (Hebrew)

F. Articles in Conference Proceedings

1. **E. Carmeli, JJ** Vatine., S. Peleg, G. Bartur, E. Elbo. Upper limb rehabilitation using augmented feedback: Impairment focused augmented feedback with HandTutor. Virtual Rehabilitation International Conference, VR 2009, 5174258, pp. 220.

2. **E. Carmeli**. Physical exercises to improve strength, balance and coordination in older adults with intellectual disabilities *Journal of Aging and Physical Activity*, 2012, 20: 112-114. IF= 1.852, Rank 29/84 "Sport Sciences" Q2.

3. E. Freiburger, J. Finlayson, **E. Carmeli**, Falls prevention and physical activity in older people with intellectual disabilities. *Journal of Aging and Physical Activity*, 2012, 20:114-116. IF= 1.852, Rank 29/84 "Sport Sciences" Q2

*4. **E. Carmeli**, A. Bachard, R. Beiker. Expression of global oxidative stress and matrix metalloproteinases is associated with Rett syndrome. *International Journal of Child Health and Human Development*, 2013,6(4), 450-451.

*5. B. Tal, G. Shefer, J. Sack, M. Yaron, Y. Marcus, E. Segev, **E. Carmeli**, D. Yablonka, TE. Chen, M. Margaliot and N. Stern. Higher resting metabolic rate linked to systolic hypertension in obese subjects with the metabolic syndrome. *Journal of Obesity & Weight Loss Therapy*, 2014, 4:5

*6. **E. Carmeli**, S. Israely# and S. Rosenblum. Error augmentation as a possible technique for improving upper extremity motor performance after a stroke: A pilot study. *Brain Disorders & Therapy*. 2015, 4:5

*7. S. Khamis#, B. Danino, **E. Carmeli**. Is gait asymmetry correlated to anatomic leg length discrepancy when abnormal clinical findings are also present? *Gait and Posture*, 2018, 65 (1), Thomson Reuters ISI IF= 2.286 Rank: 21/85 "Sport Sciences" **Q1**.

G. Entries in Encyclopedias

None

H. Patents

2006 - Research consultant for testing the quality of "Hand tutor Glove" at Meditouch
172157 (Israel); 8565487B2, 10/2013 (USA)

*2013 -Receiving with 'BioExtreme' a Patent number for "Error enhancement theory"
2004/000365 (Israel); 10/554.501 (USA)

*2015 - Professional consultant for the development of "Smart Chair" HEALI company
6330578, 5/2018 (USA)

I. Other Scientific Publications

1. **E. Carmeli**, C. Stopka. Skeletal muscle: form and function. Book Review
Journal of Sport Rehabilitation, 1996, 5(4):339.

2. **E. Carmeli**, C. Stopka. Functional Movement reeducation. Book Review. *Journal of Sport Rehabilitation*, 1997, 6:292.

3. **E. Carmeli**, M. Wertheim. MMP-2, MMP-9 and SOD as biological markers for structuring the individual training process. *LeistungsSport*, 2004; 6:40-43. V (Germany).

4. **E. Carmeli**, T. Haimovitz#, CE. Nemcovsky. Beneficial effect of tetracycline therapy on muscle in immobilized knee of rats. *Journal of Physical Medicine and Rehabilitation Sciences*. 2008; 11 (3): 108-116. ISI IF N/A..

5. **E. Carmeli**. The physiology of the joints. Book Review, volume 3: Spinal column, pelvic girdle and head. By: Kapandji IA. Churchill Livingstone Elsevier Limited. In: *International Journal of Therapy and Rehabilitation*, 2010, 17 (7), 385-386

Editorial Notes

1. **E. Carmeli**. In the new millennium –The choice is in our hands. *Journal of Israel Physiotherapy Society*, 2000, 2 (2)

2. **E. Carmeli.** The elements of old age and time in the Hebrew literature. *Journal of Israel Physiotherapy Society*, 2001. 3 (1)
3. **E. Carmeli.** Physiotherapists research their work. Theory vs practice. *Journal of Israel Physiotherapy Society*, 2001, 3 (2)
4. **E. Carmeli.** It is time to pass the torch. *Journal of Israel Physiotherapy Society*, 2002, 4 (1)
5. **E. Carmeli.** The power of verbal visionary. *Journal of Israel Physiotherapy Society*, 2003, 5 (1)
6. **E. Carmeli.** Movement: past, present and future. *Journal of Israel Physiotherapy Society*. 2003, 5 (2)
7. **E. Carmeli.** Technology in the service of mankind. *Journal of Israel Physiotherapy Society*, 2004, 6 (1)
8. **E. Carmeli.** We have an Israeli Nobel prize. *Journal of Israel Physiotherapy Society*, 2004, 6 (2)
9. **E. Carmeli.** Practice diversity – The 5th Annual PT conference. *Journal of Israel Physiotherapy Society*, 2005, 7 (1)
10. **E. Carmeli.** Online learning – a new approach to ongoing professional development. *Journal of Israel Physiotherapy Society*, 2005, 7 (2)
11. **E. Carmeli.** The Therapeutic vision – Quality and Excellence in Physiotherapy. *Journal of Israel Physiotherapy Society*, 2006, 7 (3)
12. **E. Carmeli.** Past present and future of skeletal muscle. *Journal of Israel Physiotherapy Society*, 2006, 8 (1)
- *13. **E. Carmeli.** We need to empower health prevention of aged people with intellectual disability. **Invited Editorial.** *Journal of Aging Science*, 2013, 1:e106. doi: 10.4172/2329-8847.1000e106
- *14. **E. Carmeli.** Physical Activity reduces stress and anxiety. **Invited Editorial.** *Journal of Aging Science*, 2014, 2:e108. doi: 10.4172/2329-8847.1000e108.
- *15. **E Carmeli.** The invisible therapists: The unpaid caregivers. **Invited Editorial.** *Journal of Israel Physiotherapy Society*, 2014, 16 (2), 4-5
- *16. **E. Carmeli.** Neurorehabilitation - To Facilitate or to impede. **Invited Editorial.** *Journal of Aging Science*, 2015, 3:e115. doi: 10.4172/2329-8847.1000e115
- *17. **E. Carmeli.** Muscle memory. There is such a thing. **Invited Editorial.** *Journal of Aging Science*, 2016, 4: e118. doi:10.4172/2329-8847.1000e118/
- *18. **E. Carmeli,** and Editorial team. The aging process. Invited Editorial. *Journal of*

Aging Science, 2017, 4 (3) doi: 10.4172/2329-8847.1000e124

- *19. **E. Carmeli**. The role of mitochondria in generating different submaximal strength and endurance capabilities in elderly people *Journal of Aging Science* 2017, 5: e125. ICV 2015: 67.13
- *20. **E. Carmeli**. Two directions to describe the physiological death of aging muscle *International Journal of Disability and Human Development* 2018, 17(4):433-435. SCImago Journal Rank (SJR) 2016: 0.179

Opinion and Internet News

1. **E. Carmeli**. The future of physical therapy: dark or bright? *Magazine of Physical*, 1996
2. **E. Carmeli**. Moving forward by taking specialization one step further. *Advance for Physical Therapy*, 1998, 19:26-27.
3. **E. Carmeli**. Sarcopenia: reality of muscle wasting. *Advance for Physical Therapy*, 1998, 9(28):31-32.
4. **E. Carmeli**. The power of verbal visionary. *Journal of Israel Physiotherapy Society*, Editorial Note. 2003, 5 (1)
5. **E. Carmeli**. Commentaries: An overview of the effect of ageing on hand function. *International Journal of Therapy and Rehabilitation*, 2003, 10 (8):377.
6. R. Defrin, **E. Carmeli**, CG. Pick. Behavioral indices of pain and pain threshold measurement in individuals with mental retardation. *Pain*, 2004, 110 (3):767-769. IF= 4.061, Rank =12/140 "Clinical neurology" **Q1**
7. J. Merrick, M. Lotan, **E. Carmeli**. Increase in Autism. *British Medical Journal*, 2005, 330, 112-d. IF = 9.052, Rank: 6/105 "Medicine, general, internal". **Q1**.
8. J. Merrick, M. Lotan, **E. Carmeli**. Twenty years of the International journal of adolescent medicine and health. *International Journal of Adolescent and Medical Health*, 2005, 17, 1.
9. **E. Carmeli**. Commentary: Muscle tendon unit during stretching. *International Journal of Therapy and Rehabilitation*.2010, 17 (1), 142.SJR: IF = 0.196, Rank 80/100, "Rehabilitation". **Q3**
10. **E. Carmeli**, Physical exercises to improve cognitive functions in elderly. *The New Age*, 2010, 8: 11-13 V (Hebrew).
- *11. **E. Carmeli**. On one leg: Exercises for elderly people to improve motor coordination and balance. *The New Age*, 2012, 13: 7-10. (Hebrew).

- *12. **E. Carmeli.** Internet News. *Journal of Israel Physiotherapy Society.* 2013, 15 (2)
- *13. **E. Carmeli.** Internet News. *Journal of Israel Physiotherapy Society.* 2014, 15 (3)
- *14. **E. Carmeli.** Internet News. *Journal of Israel Physiotherapy Society.* 2014, 15 (4)
- *15. **E. Carmeli.** Internet News. *Journal of Israel Physiotherapy Society,* 2014, 16 (2)
- *16. **E. Carmeli.** Internet News. *Journal of Israel Physiotherapy Society,* 2014, 16 (3)

Books

1. **E. Carmeli.** The Anatomy of Musculoskeletal Motion, Carmeli-Oholo, 1999,171 Pages (Hebrew).
2. **E. Carmeli.** Skeletal Muscle: Anatomy, Function and Pathology, Neve-Ram 2000, 160 pages (Hebrew).

J. Submitted Publications (Accepted)

Articles

- *1. H. Harel-Katz#, **E. Carmeli.** The association between volition and participation in adults with acquired disabilities: A Scoping Review. *Hong Kong Journal of Occupational Therapy.* SJR IF = 0.25, Q3 (13 pages)
2. S. Israely, G. Leisman, **E. Carmeli.** Impaired coordination and recruitment of muscle agonists but not abnormal synergies or co-contraction have significant effects on motor impairments post-stroke. *Advances in Experimental Medicine and Biology* , 2019, Thomson Reuters ISI, IF= 1.760, 38/85 “Biology” Q2. (39 pages)