

Name Assaf Buch

Degree PhD

CV updated 23.05.2021

## *CURRICULUM VITAE*

NAME Assaf Buch PhD 064972292

*(First) (Last) Academic Degree I.D No.*

FACULTY/DEPT Sackler Faculty of Medicine/

HOSPITAL/DEPT Tel Aviv Sourasky Medical Center/ Endocrinology Department

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DATE AND PLACE OF BIRTH 07.09.1982 Israel

MARITAL STATUS Married

### **A. Education**

#### **PERIODS OF STUDIES**

Hebrew University, Rehovot, Israel 2006-2009

*(Name of University, City, Country) Period*

Subject Nutritional Sciences

*Degree or Professional License* BSc *Date Awarded* 2009

Tel Aviv University, Tel Aviv, Israel 2009-2012

*(Name of University, City, Country) Period*

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**Subject** Epidemiology and Preventive Medicine

*Degree or Professional License* MSc

*Date Awarded* 2012

**Title of Master's Thesis** The role of resistance training in Non-Alcoholic Fatty liver Disease

**Supervised by:** Prof Oren Shibolet (MD), Tel-Aviv Sourasky Medical Center, Liver Unit, Gastroenterology Department

Dr Shira Zelber (Phd), Tel-Aviv Sourasky Medical Center, Liver Unit, Gastroenterology Department

**Date Awarded** 08.08.2013

Tel Aviv University, Tel Aviv, Israel 2014-present

*(Name of University, City, Country)*

*Period*

**Subject** Epidemiology and Preventive Medicine

*Degree or Professional License* PhD

*Date Awarded* TBA

**Title of Doctoral Dissertation** The association between obesity, anthropometric/metabolic characteristics and the frailty syndrome in community dwelling older adults and evaluating frailty prevention by new modalities of resistance training

**Supervised by:** Prof. Stern N (MD) – main supervisor, The Sackler Faculty of Medicine Tel-Aviv University; Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky Medical Center

Prof. Keinan Boker L (MD, PhD), School of Public Health, Haifa University, Haifa, Israel

Prof. Eli Carmeli (PhD), School of Public Health, Haifa University, Haifa, Israel

Prof. Berner Y (MD), The Sackler Faculty of Medicine Tel-Aviv University; Meir Medical Center, Kfar Saba, Israel

Date Awarded 06.2020

## **B. FURTHER STUDIES**

- 2004 Physical Fitness Instructor. The Wingate Institute, Netanya, Israel.
- 2012 Entrepreneurship Course. The College of Management, Ramat Gan, Israel.
- 2019 Good Clinical Practice (GCP) Course.

## **C. ACADEMIC & PROFESSIONAL ACTIVITIES & ACHIEVEMENTS**

### **C1.ACADEMIC EXPERIENCE**

- 2010-2012 Dietitian and Lecturer. BeWell – Startup of Health Promotion in Business Environment.
- 2010-2014 Lecturer. Siim Campus for Physical Trainers, Tel Aviv, Israel.
- 2012 Teacher Assistant. The School of Public Health, Health Promotion. Tel Aviv University, Tel Aviv, Israel.
- 2012 Study Proposal Writing –Demonstrating with My Master Proposal. MPH Program – Research Methods Course (Dr. Shira Zelber Sagi – Provider). Haifa University, Haifa, Israel.
- 2012-2015 Lecturer. Reidman International College for Complementary and Integrative Medicine, Tel Aviv, Israel.
- 2012-present Visiting Lecturer. Ben Gurion University, Beer Sheva, Israel.
- 2013-present Teaching Fellow. Hebrew University, Jerusalem, Israel.
- 2015-2016 Paired Visiting Lecture with Tzori Brickner on Initiative Actions in Nutrition and on the Beginner Nutritionist. Undergraduate Program in Nutrition – Introduction to the Dietitian Profession (Dr. Gila Rozen – provider). Academic and Technology College of Tel-Hai, Israel.
- 2016-2019 Teaching Fellow. Peres Academic Center, Rehovot, Israel.

- 2019 A Workshop for Sarcopenia and Functional Assessment for the Nutrition Department. Tel Aviv Sourasky Medical Center, Tel Aviv, Israel.
- 2019-present Lecturer, Ashkelon College, Ashkelon, Israel.
- 2020 Reviewer of Research Grant Proposal for Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.

## **C2. PROFESSIONAL EXPERIENCE.**

- 2003-2008 Counselor and Head of Health and Fitness Program. Camp Ramah Darom, Clayton, Georgia, USA.
- 2005-2010 Physical Fitness Instructor. Great Shape Health Clubs.
- 2009-2013 Head of Students' Organization for Nutrition Internship Change Initiative.
- 2014-2016 Research Assistant. The Liver Unit, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel.
- 2010-2012 Dietitian and Lecturer. BeWell – Startup of Health Promotion in Business Environment.
- 2012 Professional Advisory. Coupon Phone – Food Cards Services for Employees.
- 2012-2014 Dietitian. Department of Sports Medicine, Meir Hospital, Kfar Saba, Israel.
- 2013-2015 Medical Representative. Abbot Pharmaceuticals, Israel.
- 2014-2016 Professional Advisory and Part of Initiative Team. Unilever.
- 2014-present PhD Student. Endocrinology Department, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel.
- 2015 Dietitian. Bariatric Surgery Unit, Assuta Medical Center.
- 2016 Advising Dietitian. Feldman Israeli Ice Cream Manufacture (Felco Ltd).
- 2017-present Advising Dietitian. Munbatim – Vegan, Organic, Gluten Free Food Company.
- 2019-present Researcher. Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky

**C3. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS\***

Date	Country	Subject	Role (Speaker, Member of Steering Committee, Active Participation etc.)
2012	Spain	European Association for the Study of the Liver	Poster Presentation
2012	Israel	Sackler Faculty of Medicine Annual Conference	Poster Presentation
2012	Israel	The Israeli Dietitians Association – ATID Professional Conference	Poster Presentation
2013	Israel	The Israeli Dietitians Association – ATID Professional Conference	Chairperson and Organizer / Entrepreneurship of Young Dietitians
2014	Israel	The Israeli Dietitians Association – ATID Professional Conference	Lecture on the Development of Health App
2016	Israel	The 2016 International Wingate Congress of Exercise and Sport Sciences	Invited Speaker
2016	Israel	"50 Shades of Obesity" of the Israeli Society of	Speaker

		Research and Treatment of Obesity	
2016	Israel	The Israeli Diabetes, Hypertension, Obesity and Stroke Conference	Speaker
2016	Israel	The Israeli Dietitians Association – ATID	Speaker
2016	Israel	Multidisciplinary Perspective on Physical Activity in the Elderly. Haifa University	Invited Speaker
2017	Israel	Nutrition Israel 2017	Invited Speaker
2017	Israel	Israel Endocrine Society Meeting	Poster Presentation
2017	Israel	Faculty of Medicine Annual Conference	Poster Presentation
2017	Spain	International Conference on Sarcopenia and Frailty Research (ICSF 2017)	Poster Presentations
2017	Israel	Exercise is Medicine. Tel Aviv University	Invited Speaker
2017	Israel	Maccabi HMO – Givataim. Workshop for Nutritionists, Physical Therapists	Invited Speaker

		and Physicians on Sarcopenia	
2017	Italy	10 <sup>th</sup> International Conference on Cachexia, Sarcopenia & Muscle Wasting	Poster Presentations
2018	Israel	The Israeli Diabetes, Hypertension, Obesity and Stroke Conference	Invited Speaker
2018	Israel	The Israeli Dietitians Association – ATID Professional Conference	Invited Speaker and Session Chair
2018	Israel	The First International Diabetes and Metabolic Surgery Summit (IDMSS)	Invited Speaker
2019	Israel	The National Diabetes Congress	Invited Speaker
2019	Israel	Sarcopenia Conference	Speaker
2020	Israel	Adit Seminar on Metabolic Aspects of the Elderly	Organizer and Speaker
2020	Israel	The Israeli Diabetes, Hypertension, Obesity & Stroke Conference	Invited Speaker

2021	Online	Live Medical Expo for Endocrinology in the Community	Invited Speaker
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**C4. MEMBERSHIP IN PROFESSIONAL SOCIETIES\***

Years (period)	Name of Organization		
2009-present	The Israeli Nutrition Association		
2017-2018	Society on Sarcopenia, Cachexia and Wasting Disorders		
2018-2019	European Calcified Tissue Society		

**F. GRANTS**

Years	Investigator (Principal/,other)	Granted by Institute/Company	Total Amount
2017	PhD Student	Strauss	50,000 NIS
2019	Consultant	Israel Innovation Authority	500,000 NIS

**G. AWARDS**

- 2006            3 Year Scholarship (Total 30,000 NIS) for Undergraduate Degree. Mifal Hapayis, Israel's State Lottery.
- 2011            Dean's List, Master Degree Studies in Epidemiology and Preventive Medicine – 2,500 NIS. Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.
- 2012            One of 10 Best Posters in Research Fair + Candidate for Top 3. Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.

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- 2013 MSc with Honors. Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.
- 2015-2016 Best Teacher Award. Hebrew University, Jerusalem, Israel.
- 2018-2019 Excellence in Teaching Award. Robert H Smith Faculty of Agriculture, Food and Environment, Hebrew University, Rehovot, Israel.
- 2019 The Herczeg Institute on Aging Award, Best Research in the Field of Aging – Personal Scholarship – 2,000 NIS. Tel Aviv University, Tel Aviv, Israel.

## SCIENTIFIC PUBLICATIONS

## A. BOOKS AND MONOGRAPHS

## B. TEXTBOOKS (not for MDs)

## B.1. ORIGINAL ARTICLES\*

*B.1. Articles Published*

1. Zelber-Sagi S, Lotan R, Shlomai A, Webb M, Harrari G, **Buch A**, Nitzan Kaluski D, Halpern Z, Oren R.  
Predictors for incidence and remission of NAFLD in the general population during a seven-year prospective follow-up.  
*J Hepatol.* 2012;56(5):1145-51.  
**IF 20.582; GASTROENTEROLOGY & HEPATOLOGY 2/88 – Q1; Cited: 125.**
2. Zelber-Sagi S, Lotan R, Shibolet O, Webb M, **Buch A**, Nitzan-Kaluski D, Halpern Z, Santo E, Oren R.  
Non-alcoholic fatty liver disease independently predicts prediabetes during a 7-year prospective follow-up.  
*Liver Int.* 2013;33(9):1406-12.  
**IF 5.175; GASTROENTEROLOGY & HEPATOLOGY 19/88 – Q1; Cited: 54.**
3. Zelber-Sagi S\*, **Buch A\***, Yeshua H, Vaisman N, Webb M, Harari G, Kis O, Fliss-Isakov N, Izkhakov E, Halpern Z, Santo E, Oren R, Shibolet O.  
**\*Equal Contribution.**  
Effect of resistance training on non-alcoholic fatty-liver disease a randomized-clinical trial.  
*World J Gastroenterol.* 2014;20(15):4382-92.  
**IF 3.665; GASTROENTEROLOGY & HEPATOLOGY 35/88 – Q2; Cited: 57.**
4. Philip D, **Buch A**, Moorthy D, Scott TM, Parnell LD, Lai CQ, Ordovás JM, Selhub J, Rosenberg IH, Tucker KL, Troen AM.  
Dihydrofolate reductase 19-bp deletion polymorphism modifies the association of folate status with memory in a cross-sectional multi-ethnic study of adults.  
*Am J Clin Nutr.* 2015;102(5):1279-88.  
**IF 6.766; NUTRITION & DIETETICS 6/89 – Q1; Cited: 8.**
5. Zelber-Sagi S, Salomone F, Kolodkin-Gal I, Erez N, **Buch A**, Yeshua H, Webb M, Halpern Z, Shibolet O.  
Protective role of soluble receptor for advanced glycation end-products in patients with non-alcoholic fatty liver disease.  
*Dig Liver Dis.* 2017;49(5):523-9.  
**IF 3.57; GASTROENTEROLOGY & HEPATOLOGY 37/88 – Q2; Cited: 5.**

6. Zelber-Sagi S, Bord S, Dror-Lavi G, Smith ML, Towne SD Jr, **Buch A**, Webb M, Yeshua H, Nimer A, Shibolet O.  
Role of illness perception and self-efficacy in lifestyle modification among non-alcoholic fatty liver disease patients.  
*World J Gastroenterol.* 2017;23(10):1881-90.  
**IF 3.665; GASTROENTEROLOGY & HEPATOLOGY 35/88 – Q2; Cited: 14.**
7. **Buch A**, Kis O, Carmeli E, Keinan-Boker L, Berner Y, Barer Y, Shefer G, Marcus Y, Stern N.  
Circuit resistance training is an effective means to enhance muscle strength in older and middle aged adults: A systematic review and meta-analysis.  
*Ageing Res Rev.* 2017;37:16-27.  
**IF 10.616; CELL BIOLOGY 18/195 – Q1; GERIATRICS & GERONTOLOGY 1/51 – Q1; Cited: 9.**
8. Sherf-Dagan S, Hod K, **Buch A**, Mardy-Tilbor L, Regev Z, Ben-Porat T, Sakran N, Goitein D, Raziel A.  
Health and Nutritional Status of Vegetarian Candidates for Bariatric Surgery and Practical Recommendations.  
*Obes Surg.* 2018;28(1):152-60.  
**IF 3.412; SURGERY 36/210 – Q1; Cited: 3.**
9. Sherf-Dagan S, Zelber-Sagi S, Zilberman-Schapira G, Webb M, **Buch A**, Keidar A, Raziel A, Sakran N, Goitein D, Goldenberg N, Mahdi JA, Pevsner-Fischer M, Zmora N, Dori-Bachash M, Segal E, Elinav E, Shibolet O.  
Probiotics administration following sleeve gastrectomy surgery: a randomized double-blind trial.  
*Int J Obes (Lond).* 2018;42(2):147-55.  
**IF 4.519; ENDOCRINOLOGY & METABOLISM 29/143 – Q1; NUTRITION & DIETETICS 18/89 – Q1; Cited: 20.**
10. **Buch A**, Keinan-Boker L, Berner Y, Carmeli E, Goldsmith R, Stern N.  
Estimated frailty prevalence among Israeli elderly - results from a cross sectional national survey.  
*Isr J Health Policy Res.* 2018;7(1):18.  
**IF 1.1741; PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH (SSCI) 81/171 – Q2; Cited: 4.**
11. **Buch A**, Carmeli E, Shefer G, Keinan-Boker L, Berner Y, Marcus Y, Goldsmith R, Stern N.  
Cognitive impairment and the association between frailty and functional deficits are linked to abdominal obesity in the elderly.  
*Maturitas.* 2018;114:46-53.  
**IF 3.63; OBSTETRICS & GYNECOLOGY 12/82 – Q1; Cited: 1.**
12. **Buch A**, Keinan-Boker L, Kis O, Carmeli E, Izhakov E, Ish-Shalom M, Berner Y, Shefer G, Marcus Y, Stern N.  
Severe central obesity or diabetes can replace weight loss in the detection of

frailty in obese younger elderly - a preliminary study.  
*Clin Interv Aging*. 2018;13:1907-18.

**IF 3.023; GERIATRICS & GERONTOLOGY 21/51 – Q2; Cited: 2.**

13. Rouach V, Goldshtein I, **Buch A**, Catane R, Chodick G, Stern N, Shalev V, Cohen D.  
The association between adherence with oral bisphosphonates and the risk of breast cancer in post-menopausal women.  
*J Bone Oncol*. 2018;16:100202.  
**IF 3.066; ONCOLOGY 135/244 – Q3; Cited: 0.**
14. Tal B, Sack J, Yaron M, Shefer G, **Buch A**, Ben Haim L, Marcus Y, Shenkerman G, Sofer Y, Shefer L, Margalio M, Stern N.  
Increment in Dietary Potassium Predicts Weight Loss in the Treatment of the Metabolic Syndrome.  
*Nutrients*. 2019;11(6):1256.  
**IF 4.546; NUTRITION & DIETETICS 17/89 – Q1; Cited: 0.**
15. **Buch A**, Eldor R, Kis O, Keinan-Boker L, Dunsky A, Rubin A, Lopez A, Sofer Y, Osher E, Marcus Y, Stern N.  
The effect of circuit resistance training, empagliflozin or "vegeterranean diet" on physical and metabolic function in older subjects with type 2 diabetes: a study protocol for a randomized control trial (CEV-65 trial).  
*BMC Geriatr*. 2019;19(1):228.  
**IF 3.077; GERONTOLOGY 6/36 – Q1; Cited: 3.**
16. Kis O, **Buch A**, Stern N, Moran DS.  
Minimally supervised home-based resistance training and muscle function in older adults: A meta-analysis.  
*Arch Gerontol Geriatr*. 2019;84:103909.  
**IF 2.128; GERIATRICS & GERONTOLOGY 34/51 – Q3; Cited: 1.**
17. Sherf-Dagan S, Zelber-Sagi S, **Buch A**, Bar N, Webb M, Sakran N, Raziel A, Goitein D, Keidar A, Shibolet O.  
Prospective Longitudinal Trends in Body Composition and Clinical Outcomes 3 Years Following Sleeve Gastrectomy.  
*Obes Surg*. 2019;29(12):3833-41.  
**IF 3.412; SURGERY 36/210 – Q1; Cited: 1.**
18. Avital K\*, **Buch A\***, Hollander I, Brickner T, Goldbourt U.  
**\*Equal Contribution.**  
Adherence to a Mediterranean diet by vegetarians and vegans as compared to omnivores.  
*Int J Food Sci Nutr*. 2020;71(3):378-87.  
**IF 3.483; FOOD SCIENCE & TECHNOLOGY 35/139 – Q2;  
NUTRITION & DIETETICS 36/89 – Q2; Cited: 1.**
19. Ofir O\*, **Buch A\***, Rouach V, Goldsmith R, Stern N, Monsonego-Ornan E.  
**\*Equal Contribution.**  
Association between abdominal obesity and fragility fractures among elderly

Israeli women.

*Aging Clin Exp Res.* 2020;32(8):1459-67.

**IF 2.697; GERIATRICS & GERONTOLOGY 28/51 – Q3; Cited: 1.**

20. **Buch A**, Magid A, Eldor R, Keinan-Boker L, Haim LB, Greenman Y, Stern N.

Nutritional profiling of frail and obese, community dwelling older subjects: Results from a national survey.

*Exp Gerontol.* 2020;142:111112.

**IF 3.376; GERIATRICS & GERONTOLOGY 19/51 – Q2; Cited: 0.**

21. Sherf-Dagan S, **Buch A**, Ben-Porat T, Sakran N, Sinai T.

Vitamin E status among bariatric surgery patients: a systematic review.

*Surg Obes Relat Dis.* 2021;17(4):816-30.

**IF 3.812; SURGERY 30/210 – Q1; Cited: 0.**

22. **Buch A**, Diener J, Stern N, Rubin A, Kis O, Sofer Y, Yaron M, Greenman Y, Eldor R, Eilat-Adars S.

Comparison of Equations Estimating Resting Metabolic Rate in Older Adults with Type 2 Diabetes.

*J Clin Med.* 2021;10(8):1644.

**IF 3.303; MEDICINE, GENERAL & INTERNAL 36/165 – Q1; Cited: 0.**

23. **Buch A**, Marcus Y, Shefer G, Zimmet P, Stern N.

Approach to Obesity in the Elderly.

*J Clin Endocrinol Metab.* 2021 May 21;dgab359. doi:

10.1210/clinem/dgab359. Online ahead of print.

### ***B.1. Articles Accepted***

### ***B.1. Articles Submitted***

### **B.2. CASE REPORTS**

### ***B.2. Case Reports published***

### ***B.2. Case Reports Accepted***

### ***B.2. Case Reports Submitted***

### **B.3. REVIEW ARTICLES**

### ***B.3. Review Articles Published***

1. **Buch A**, Carmeli E, Boker LK, Marcus Y, Shefer G, Kis O, Berner Y, Stern N.

Muscle function and fat content in relation to sarcopenia, obesity and frailty of old age--An overview.

*Exp Gerontol.* 2016;76:25-32.

***B.3. Review Articles Accepted******B.3. Review Articles Submitted for Publication*****C. CHAPTERS IN BOOKS****D.1. INVITED PAPERS IN SCIENTIFIC MEETINGS**

1. Functional level, frailty tendency and their predictors with and without relation to obesity – results from a cross sectional national survey of Israeli elderly.  
The 2016 International Wingate Congress of Exercise and Sport Sciences. Netanya, Israel; The Academic College at Wingate, Israel. 06.2016. Invited Speaker
2. Sarcopenia and obesity –a synergistic paradox.  
Multidisciplinary Perspective on Physical Activity in the Elderly. Haifa University. Israel. 10.2016. Invited Speaker
3. Sarcopenia – definition, diagnosis and epidemiology.  
Nutrition Israel 2017. Israel. 01.2017. Invited Speaker
4. Physical activity and Non-Alcoholic Liver Disease.  
Exercise is Medicine. Tel Aviv University. Israel. 05.2017. Invited Speaker
5. Diagnosis of Sarcopenia.  
Maccabi HMO – Givataim. Workshop for Nutritionists, Physical Therapists and Physicians on Sarcopenia. Israel. 05.2017. Invited Speaker
6. Intermittent fasting and weight control.  
The Israeli Diabetes, Hypertension, Obesity and Stroke Conference. Tel Aviv, Israel. 05.2018. Invited Speaker
7. Intermittent fasting and weight control.  
The Israeli Dietitians Association – ATID Professional Conference. Israel. Ramat Gan, 05.2018. Invited Speaker and Session Chair
8. Sarcopenic obesity.  
The First International Diabesity and Metabolic Surgery Summit (IDMSS). Tel Aviv, Israel. 29.11.2018. Invited Speaker
9. Diet, physical activity or drug therapy – which is a superior treatment in older adults with type 2 diabetes– initial results from the CEV-65 trial.  
The National Diabetes Congress. Tel Aviv, Israel. 6.11.2019. Invited Speaker
10. Malnutrition in obesity of the elder Israeli: unexpected but common.  
The Israeli Diabetes, Hypertension, Obesity & Stroke Conference. Tel Aviv, Israel. 26.02.2020

11. Muscle rehabilitation in key endocrine indications-weight gain and diabetes.  
Live Medical Expo for Endocrinology in the Community. 11.03.2021

## **D.2. PAPERS PRESENTED AT SCIENTIFIC MEETINGS PUBLISHED AS PROCEEDINGS**

1. **Buch A**, Webb M, Yeshua H, Kis O, Vaisman N, Fliss N, Halpern Z, Santo E, Oren R, Shibolet O, Zelber-Sagi S  
The effect of resistance training on non-alcoholic fatty liver disease a randomized clinical trial.  
The Israeli Association for the Study of the Liver. Kfar Blum, Israel. 03.2012. Poster Presentation
2. **Buch A**, Webb M, Yeshua H, Kis O, Vaisman N, Fliss N, Halpern Z, Santo E, Oren R, Shibolet O, Zelber-Sagi S.  
The effect of resistance training on non-alcoholic fatty liver disease a randomized clinical trial.  
European Association for the Study of the Liver. Spain. 04.2012. Poster Presentation
3. **Buch A**, Webb M, Yeshua H, Kis O, Vaisman N, Fliss N, Halpern Z, Santo E, Oren R, Shibolet O, Zelber-Sagi S.  
The effect of resistance training on non-alcoholic fatty liver disease a randomized clinical trial.  
Sackler Faculty of Medicine Annual Conference. Israel. 05.2012. Poster Presentation
4. **Buch A**, Webb M, Yeshua H, Kis O, Vaisman N, Fliss N, Lotan Roni, Halpern Z, Santo E, Oren R, Shibolet O, Zelber-Sagi S.  
The effect of resistance training on non-alcoholic fatty liver disease a randomized clinical trial.  
The Israeli Dietitians Association – ATID Professional Conference. Shfaim Kibbutz, Israel. 09.2012. Poster Presentation
5. **Buch A**.  
Frailty and obesity – results from the Israeli national survey.  
The Israeli Diabetes, Hypertension, Obesity and Stroke Conference. Israel. 02.2016. Speaker
6. **Buch A**, Berner Y, Keinan Boker L, Carmeli E, Stein Y, Gold L, Kis O, Shefer G, Marcus Y, Goldsmith R, Stern N.  
Obese frailty and obese sarcopenia – data from literature and from our preliminary work.  
"50 Shades of Obesity" of the Israeli Society of Research and Treatment of Obesity. Ranat Gan, Israel. 04.2016. Speaker

7. **Buch A**, Carmeli E, Berner Y, Keinan Boker L, Kis O, Shefer G, Marcus Y, Goldsmith R, Stein Y, Gold L, Stern N.  
Frailty and functional impairment in the Israeli population – results from a national survey.  
The Israeli Dietitians Association – ATID. Ramat Gan, Israel. 09.2016.  
Speaker
8. **Buch A**, Carmeli E, Berner Y, Keinan Boker L, Kis O, Shefer G, Marcus Y, Goldsmith R, Stein Y, Gold L, Stern N.  
A new obesity phenotype in older ( $\geq 65$  yrs) subjects: the co-presence of frailty and functional limitations is linked to central obesity.  
Israel Endocrine Society Meeting. Ramat Gan, Israel. 03.2017. Poster Presentation
9. **Buch A**, Kis O, Carmeli E, Keinan-Boker L, Berner Y, Barer Y, Shefer G, Marcus Y, Stern N.  
Circuit resistance training is an effective means to enhance muscle strength in older adults: A Systematic Review and Meta-analysis.  
Faculty of Medicine Annual Conference. Israel. 03.2017. Poster Presentation
10. **Buch A**, Kis O, Carmeli E, Keinan-Boker L, Berner Y, Barer Y, Shefer G, Marcus Y, Stern N  
Circuit resistance training is an effective means to enhance muscle strength in older adults: A Systematic Review and Meta-analysis.  
International Conference on Sarcopenia and Frailty Research (ICSF 2017).  
Barcelona, Spain. 27-29.04.2017. Poster Presentation
11. **Buch A**, Carmeli E, Berner Y, Keinan Boker L, Kis O, Shefer G, Marcus Y, Goldsmith R, Stein Y, Gold L, Stern N.  
Central obesity is linked to a combined phenotype of frailty with functional limitations in older subjects ( $\geq 65$  yrs): a cross sectional national survey.  
International Conference on Sarcopenia and Frailty Research (ICSF 2017).  
Barcelona, Spain. 27-29.04.2017. Poster Presentation
12. **Buch A**, Kis O, Ben-Haim L, Stern N, Moran DS.  
Meta-analysis on the effect of minimally supervised home-based training on muscle function in older adults.  
10<sup>th</sup> International Conference on Cachexia, Sarcopenia & Muscle Wasting.  
Italy. 2017. Poster Presentations
13. **Buch A**.  
How to screen and diagnose the sarcopenic and obese sarcopenic patient.  
Sarcopenia Conference, Carmel Medical Center Meeting. Haifa, Israel.  
11.12.2019.
14. **Buch A**.  
Epidemiology and weight gain in the elderly.  
Adit Seminar on Metabolic Aspects of the Elderly. Tel Aviv Sourasky Medical Center, Israel. 26.01.2020.

### D.3. ABSTRACTS

1. Dubnov-Raz G, Steinacker JM, Marcus Y, Dipla K, Dicker D, Hoffman JR, Shimon I, Greenman Y, Tripto-Shkolnik L, Hirsch D, **Buch A**, Arieli M, Constantini NW.  
Meeting Reports: Exercise is Medicine Israel 5<sup>th</sup> Annual Conference - Endocrine Aspects Tel Aviv, Israel, May 10th, 2017.  
*Pediatr Endocrinol Rev.* 2017;15(1):57-9.

### E. ITEMS IN ENCYCLOPEDIAS

### F. BOOKS EDITED

### G. OTHER PUBLICATIONS (Encyclopedias; Reports; Letter to Editors)

1. **Buch A.**  
[The impact of physical activity on fat tissue.] Hebrew.  
*The Tnuva Research Institute Review magazine.* 2012;36:14-7.
2. **Buch A**, Carmeli E.  
[Obesity, Sarcopenia and Fragility in One Body: Paradoxical and Complementary Condition] Hebrew.  
*Gerontology & Geriatrics.* 2016;3:31-45.
3. Ofir O, Palti N, Brickner T, Magnezi M, Elitam O, Olander N, Cohen E, Yafe L, Shemesh N, Koren L, Lebovitch KN, Miller H, Shlezinger D, Goldsmith R, Ginsberg A, **Buch A**, Kachal J.  
[Soy – health impacts. Position statement and literature review for the Nutrition Department, Ministry of Health, Israel and The Israeli Nutrition Association – ATID] Hebrew.  
Ministry of Health, ATID. 2017 (Update from 2005).

### H. Member of Editorial Board/ Reviewer (International Journals)

- 2019-present Ad hoc Reviewer Experimental Gerontology.
- 2019-present Ad hoc Reviewer for The Journal of Frailty & Aging.
- 2019-present Ad hoc Reviewer Archives of Gerontology and Geriatrics.
- 2019-present Ad hoc Reviewer Journal of Sport and Health Science.
- 2021-present Ad hoc Reviewer Food & Function.
- 2021-present Ad hoc Reviewer Journal of Clinical Medicine.
- 2021-present Ad hoc Reviewer Journal of Medicinal Food.

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2021-present Ad hoc Reviewer Nutrients.