ICFSR 2014
International Conference on Frailty & Sarcopenia Research

THE CONFERENCE WILL BE HELD AT HOTEL REY JUAN CARLOS 1 • AV DIAGONAL 661 • BARCELONA • SPAIN

Wednesday 12th, Thursday 13th & Friday 14th March, 2014 Barcelona, Spain

under the auspices of

All abstracts and proceedings will be published in the Journal of Frailty & Aging

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The Journal of Frailty & Aging is a peer-reviewed international journal aimed at presenting articles that are related to research in the area of aging and age-related (sub)clinical conditions. In particular, the journal publishes high-quality papers describing and discussing social, biological, and clinical features underlying the onset and development of frailty in older persons.

The Journal of Frailty & Aging is composed by five different sections:

- **Biology of frailty and aging**
- **Physical frailty and age-related body composition modifications**
- **Neurosciences of frailty and aging**
- **Frailty and aging in clinical practice and public health**
- **Clinical trials and therapeutics**

The Journal of Frailty & Aging is a quarterly publication of original papers, review articles, case reports, controversies, letters to the Editor, and book reviews. Manuscripts will be evaluated by the editorial staff and, if suitable, by expert reviewers assigned by the editors. The journal particularly welcomes papers by researchers from different backgrounds and specialities who may want to share their views and experiences on the common themes of frailty and aging.

www.jfrailtyaging.com
International Conference on Frailty and Sarcopenia Research (ICFSR) would like to thank the following companies for their ongoing support helping ICFSR meet its mission and goals.
8:45am/9:00am  Welcome by the Organizing Committee
Toni Salva (Barcelona, Spain), Roger Fielding (Boston-USA), Bruno Vellas (Toulouse, France),
Leocadio Rodriguez Mañas (Madrid-Spain)

9:00am/11:00am  Implementing Frailty and Sarcopenia into Clinical Practice: Clinical Core

9:00am  Frailty & Sarcopenia: How to implement into clinical Practice?
Bruno Vellas (Toulouse, France)

9:30am  An operational assessment for Frailty:
John Morley (St Louis, USA)

10:00am  Understanding and preventing Frailty:
Leocadio Rodriguez Mañas (Madrid-Spain)

10:30am  Cognitive Frailty:
Jaime Fitten (Los Angeles-USA)

11:00am  Coffee Break and Posters

11:30am/1:00pm  Oral communications on Frailty and Clinical Practice
Chaired by John Morley (St Louis, USA), Toni Salva (Barcelona, Spain)

11:30am  The effects of vitamin D on skeletal muscle strength, muscle mass and muscle power: a meta-analysis of randomized controlled trials: Beaudart C1-2, Buckinx F1-2, Rabenda V1, Cavalier E2, Petermans J4, Register J-Y1, Bruyère O1-2 • 1 Department of Public Health, Epidemiology and Health Economics, University of Liège, Liège, Belgium - 2 Support Unit in Epidemiology and Biostatistics, University of Liège, Belgium - 3 Department of Clinical Chemistry, University of Liège, CHU Sart-Tilman, Liège, Belgium - 4 Geriatric Department, CHU Liège, Liège, Belgium

11:45am  Dynapenia is associated with gait variability in community-dwelling older adults: Manuel Montero-Odasso, Anam Islam, Ivan Anton-Rodrigo, Karen Gopaul and Mark Speechley. Department of Geriatric Medicine, Parkwood Hospital, Gait and Brain Lab and Lawson Health Research Institute, London, Ontario.

12:00am  Frailty is associated with deficits in early blood pressure recovery post standing in older adults: O'Connell MDL1, Savva GM2, Finucane C1,3, Romero-Ortuno R1, Fan CW1, Soraghan C3, Cronin H1 & Kenny RA1,4 • 1. The Irish Longitudinal Study on Ageing, Trinity College, Dublin, Ireland - 2. School of Nursing Sciences, University of East Anglia, UK - 3. Dept. of Medical Physics and Bioengineering, St. James’s Hospital, Dublin, Ireland. 4. Mercers Institute for Successful Ageing, St. James’s Hospital, Dublin, Ireland.

12:15am  Increasing physical function in older community-dwelling persons in the general practitioner setting with exercise Ellen Freiberger1, Johannes Salb1, Monika Siegrist2 Barbara Geilhof2, Peter Landendörfer3, Wolfgang Blank3, Christian Hentschke 4 • 1.Institute for Biomedicine of Aging (FAU Erlangen-Nürnberg)Kobergerstr. 60, 90408 Nürnberg - 2. Department of Prevention, Rehabilitation and Sports Medicine, Technische Universität München, Germany 3.Institute of General Practice, Technische Universität München, Germany - 4. Institute of Sport Science and Sports, Universität of Erlangen-Nürnberg, Germany

12:30am  The role the frailty syndrome can play in supporting and targeting resources in our ageing population high prevalence of frailty in a population attending the day hospital: Ontefetse Ntholomang1, Ross Edward Kelly1, Roman Romero Ortuno1, Sarah Cosgrave2, Dawn Kelly2, Morgan Crowe1, Orla Collins1, John J. Barry1,3, Lisa Cogan4, Graham Hughes1, Diamuid O’Shea1 • 1 Medicine for the Elderly Department, St. Vincent’s University Hospital, Dublin - 2 Carew House Day Hospital, St. Vincent’s University Hospital, Dublin - 3 St. Michael’s Hospital, Dun Laoghaire, Co. Dublin - 4 Royal Hospital Donnybrook, Dublin

12:45am  Cognitive Frailty: Results from the Frailty Day Hospital at Toulouse: Abellan van Kan 1,2, Matthieu Lilamand1,2, Matteo Cesari 1,2, Sophie Guyonnet 1,2, and Bruno Vellas1,2 • 1. Gerontopole de Toulouse, Toulouse University Hospital, 31059 Toulouse, France2. INSERM UMR 1027, Université de Toulouse III Paul Sabatier, Toulouse, France

1:00pm  Lunch Break and Posters

2:00pm/3:30pm  Implementing Frailty and Sarcopenia into Clinical Practice: Clinical Core

2:00pm  Physical aspects and epidemiology of Frailty: Alphonso Cruz-Jentoft (Madrid-Spain)

2:30pm  Sarcopenia & diabetes: Alan Sinclair (Luton, UK)

3:00pm  Body composition and mortality: Yves Rolland (Toulouse, France)
3:30 pm  Coffee Break and Posters

4:00pm/7:00pm  Oral communications: Parallel Sessions • Ballroom 1
Chaired by Robbert Gobbens (Rotterdam, Netherlands), Marie-Josée Sirois (Québec, Canada)

4:00pm  The frailty instrument for primary care of the survey of health, ageing and retirement in europe (share-fi): validation, reviews and clinical use: Romero-Ortuno R1 1. Department of Medical Gerontology, Trinity College Dublin, Dublin, Ireland.

4:15pm  The assessment of frailty in a community dwelling older population: the british frailty index: Kamaruzzaman S1, Ploubidis GB2, Fletcher A2, Ebrahim S2. 1. Institutions: 1. Department of Geriatric Medicine, University Malaya Medical Centre, Kuala Lumpur 2. Department of Epidemiology and Population Health, London School of Hygiene and Tropical Medicine, London, UK

4:30pm  Association of sarcopenia with short and long term mortality in older adults admitted in acute care wards: results from the CRIME study: Davide L Vetrano1, Graziano Onder1, Stefano Volpato2, Andrea Corsonello3, Roberto Bernabei1, Francesco Landi1. 1. Department of Geriatrics, Orthopaedics and Neurosciences, Catholic University of Sacred Heart, Rome, Italy. 2. Department of Medical Sciences, University of Ferrara, Ferrara, Italy. 3. Unit of Geriatric Pharmacology, IRCCS - Italian National Research Centre on Aging (INRCA), Cosenza, Italy.

4:45pm  The prediction of ADL and IADL disability using six physical indicators of frailty: Gobbens RJ1, van Assen MALM2 1. Research & Development Centre Innovations in Care, Rotterdam University Centre of Applied Sciences, Rotterdam, the Netherlands; 2. Department of Methodology and Statistics, Tilburg School of Social and Behavioral Sciences, Tilburg University, Tilburg, the Netherlands

5:00pm  Frailty measures are useful in identifying independent seniors at risk of functional decline evaluated in emergency departments after a minor trauma: Sirois M-J, Pelletier M, 1. Emond M 1, 2. University Laval, Quebec, Canada. 2. Axe Santé des populations et pratiques optimales en santé du Centre de recherche du CHU de Québec, Canada.


5:30pm  Development of a guidance-tool to facilitate general practitioners’ advice on physical activity and sedentary behaviours. De Souto Barreto P1. Institutions: 1. Gérontopôle of Toulouse, Toulouse University Hospital, Toulouse, France

5:45pm  Explaining educational differences in frailty among older adults: results from a 13-year longitudinal study: Hoogendijk EO1, van Hout HPJ1, Heymans MW2, van der Horst HE1, Frijters DHM1, Broese van Groenou M3, Deeg DH2, & Huisman M2, 3. 1. Department of General Practice & Elderly Care Medicine, EMGO+ Institute for Health and Care Research, VU University Medical Center, Amsterdam, The Netherlands; 2. Department of Epidemiology & Biostatistics, EMGO+ Institute for Health and Care Research, VU University Medical Center, Amsterdam, The Netherlands; 3. Department of Sociology, VU University, Amsterdam, The Netherlands

6:00pm  Prevalence of physical, mental and social frailty in older adults: findings from the german health interview and examination survey (degs1): Fuchs J1, Scheidt-Nave C1, Busch MA1, Bluttery AK1 1. Department of Epidemiology and Health Monitoring, Robert Koch Institute, Berlin, Germany

6:15pm  Height adjusted appendicular skeletal muscle (ASM) is more predictable of osteoporosis in Korean elderly, Seon Yong Kim, Chang Won Won, Byung Seong Kim, Hyun Rim Choi. Department of Family Medicine, College of Medicine, Kyung Hee University, Seoul, Korea

6:30pm  The association of grip strength and related indices with adl independence in the elderly, studied by a newly-developed grip strength measuring device Matsui Y, Fujita R, Harada A, Sakurai T, Nego T, Noda N, Toba K 1. Department of Advanced Medicine (Orthopedic Surgery), National Center for Geriatrics and Gerontology, Japan - 2. Center for Comprehensive Care and Research on Memory Disorders, National Center for Geriatrics and Gerontology, Japan - 3. Department of Gerontotechnology, National Center for Geriatrics and Gerontology, Japan - 4. E isyo Metal Co., Ltd Japan

6:45pm  Motoneuron loss is associated with sarcopenia: Drey M1, Krieger B1, Sieber CC1, Bauer JM1, 2. Schuster G3, Zollinger S3, Hettwer S4, Bertsch T5 1. University of Erlangen-Nuremberg, Institute for Biomedicine of Ageing, Nuremberg, Germany; 2. Klinikum Oldenburg, Geriatric Centre Oldenburg, Oldenburg, Germany; 3. Hochschule für Technik Rapperswil, Rapperswil, Switzerland; 4. Neutroton AG, Schlieren, Switzerland; 5. Klinikum Nuremberg, Institute for Clinical Chemistry, Laboratory Medicine and Transfusion Medicine, Nuremberg, Germany.
3:30pm Coffee Break and Posters

4:00pm/5:30pm Oral communications: Parallel Sessions • Ballroom 2
Chaired by Nikolaus Buchmann (Berlin, Germany)

4:00pm identifying types of recreational physical activity associated with muscle quality in older adults: Sébastien Barbat-Antigas1,2,3, Charlotte H. Pion1,2,3, Yannick Feiter-Murphy4, Mylène Aubertin-Leheudre2,3,4 - 1 Département des sciences biologiques, Université du Québec À Montréal, Montréal, Canada; 2 Groupe de Recherche en Activité Physique Adaptée, Montréal, Canada; 3 Centre de Recherche de l’Institut Universitaire de Gériatry de Montréal, Montréal, Canada; 4 Département de kinanthropologie, Université du Québec à Montréal, Montréal, Canada

4:15pm Norm values for components included in the fried frailty index: Helbostad JL 1,2, Egerton T1, Stensvold D3, Slettvold O1,4, Saltvedt I1,4 - 1Department of Neuroscience, Norwegian University of Science and Technology, Trondheim, Norway; 2Department of Clinical Services, St. Olav University Hospital, Trondheim, Norway; 3Department of Circulation and Medical Imaging, Norwegian University of Science and Technology, Trondheim, Norway; 4Department of Geriatric Medicine, St. Olav University Hospital, Trondheim, Norway

4:30pm Frailty among Community-dwelling Older People in the Beijing Longitudinal Study on Aging II Zheng Z1, 2, Guan SC2, Ma JH3,4, Zhang J1,2, Ding H1,4, Jiang YZ5, Chan P1, 3,4 - 1Department of Neurobiology, 2Evidence-Based Medicine Centre, 3Department of Neurology, Beijing Institute of Geriatrics, Xuanwu Hospital of Capital Medical University, Beijing, China; 4Parkinson Disease Center of Beijing Institute for Brain Disorders, Key Laboratory on Neurodegenerative Disease of Ministry of Education, and Beijing Key Laboratory on Parkinson’s Disease, Beijing, China

4:45pm Sarcopenia and diabetes – data from the berlin aging study II (base-II): Buchmann N1, Nikolov J1, Demuth I 1, 2, Steinhagen Thiessen E1, Eckardt R1, Norman K1 (1) Charité Research Group on Geriatrics, Charité-Universitätsmedizin, Berlin, Germany; (2) Institute of Medical and Human Genetics, Charité-Universitätsmedizin, Berlin, Germany

5:00pm Does social vulnerability affect physical frailty? analysis in 2,350 elderly people: Herr M 1Robine JM 2, Anvik JJ 3, Anki J1 1Laboratoire Santé-Environnement-Vieillissement (EA2506), Université Versailles Saint Quentin, Paris, France; 2INSERM U988 and U710, EPH E, Paris & Montpellier, France; 3AGER La Mondiale, Direction des Etudes, Prévoyance Individuelle et IARD, Paris, France

5:15pm Frailty and osteoarthritis in elderly across six European countries: results from the European project on osteoarthritis (EPOSA): Castell MV1,2,3, van der Pas S 1,4, Otero A1,2,3, Maggi S (or Zambom S) 1,5, 5 Dennison EM (or Mark)1,6, Nikolau J1,7 Pedersen NL1,8, Deeg DJ1,4 - 1European Project on Osteoarthritis (EPOSA) group, Amsterdam, The Netherlands; 2Universidad Autónoma de Madrid (UAM). Unidad de Medicina de Familia y Atencion Primaria. Madrid Spain; 3Spanish Research network on Frailty RETICEF; IdP4, Department of epidemiology and biostatistics/LASA, VU University Medical Center, Amsterdam, The Netherlands; 5Department of Medicine, University of Padova, Institute of Neuroscience, Padova, Italy; 6MRC epidemiology resource center, Southampton, United Kingdom; 7Institute for Epidemiology, Ulm University, Ulm, Germany; 8Karolinska Institut, Stockholm, Sweden

5:30pm/6:30pm SYMPOSIUM: FRAILTY IN MEXICAN POPULATION FROM HOSPITAL TO COMMUNITY • Ballroom 2
Chaired by: Mario Pérez-Zepeda
Authors: Sánchez-Garcia S, García-Peña C, Castrejon-Pérez R 1. Instituto Nacional de Geriatria, Secretaria de Salud, Mexico city, Mexico; 2. Unidad de Investigación sobre Envejecimiento, Instituto Mexicano del Seguro Social, Mexico City, Mexico.

5:30pm Older Patient admitted in the Emergency Department: Transitions of Hand grip strength García-Peña C (Mexico)

5:50pm Depression, Cognitive Impairment, Frailty And Their Effect On Disability In Older Adults Sánchez-Garcia S (Mexico)

6:10pm Oral health and frailty Castrejón-Pérez RC (Mexico)

6:30pm/7:00pm Oral communications: Parallel Sessions • Ballroom 2
Chaired by Juan González-Montalvo (Madrid, Spain)

6:30pm Prevalence of sarcopenia assessed by EWGSOP criteria in a cohort of acute hip fracture patients: González-Montalvo J1,3,4, Alarcón T1,3,4, Gotor P1,3, Queipo R2,3, Otero A2,3,4, Velasco R1, Ariza D1, Pardo A1. - 1Geriatrics Department, Hospital Universitario La Paz, Madrid, Spain; 2Preventive Medicine Department, Universidad Autónoma de Madrid, Madrid, Spain; 3IdIPAZ, 4RETICEF Spain

6:45pm Regn1033, a fully human anti-myostatin antibody, enhances rodent muscle function: Milosio L, Salzler R, Abrahams C, Grumada J, Papadopoulos N, Murphy A, Stitt T, Latres E (USA)
8:30 am/9:30 am  **Oral communications**  Chaired by Alfonso Cruz-Jentoft (Madrid, Spain), Daniel Rooks (Cambridge, USA)

8:30 am  
**Physical function measurements to predict hospital outcome in older in-patients: results from the crime study**  
De Buyser SL, Petrovic M, Taes YE, Vetrano DL, Onder G. 1. Department of Geriatrics, Ghent University Hospital, Ghent, Belgium; 2. Department of Endocrinology, Ghent University Hospital, Ghent, Belgium; 3. Centro Medicina dell'Invecchiamento, Università Cattolica del Sacro Cuore, Rome, Italy

8:45 am  
**Stroke induced Sarcopenia: Muscle wasting and disability after stroke**  
Wolfram Doehner, MD, PhD Centre for Stroke Research Berlin, Charité – Universitätsmedizin Berlin, Germany

9:00 am  
**Prevalence of sarcopenia in geriatric outpatients and in nursing homes using the egwsp definition: findings from the elli study**  
Cruz-Jentoft AJ, Serra-Rexach JA, on behalf of the Observatorio de la Sarcopenia de la SEG. 1. Hospital Universitario Ramón y Cajal, Madrid, Spain; 2. Hospital General Universitario Gregorio Marañón, Madrid, Spain

9:15 am  
**Expedited recovery of casting-induced thigh muscle atrophy with bimagrumab, a human monoclonal anti-activin receptor II antibody**  
Rooks DS, Rasmussen S, Bartlett M, Brandt E, Laurent D, Petricoul O, Praestgaard F, Roubenoff R. 1. Musculoskeletal Diseases, Translational Medicine, Novartis Institutes for BioMedical Research, Cambridge, Massachusetts, USA; 2. Celerion, Lincoln, Nebraska, USA

9:30 am/10:30 am  **SYMPOSIUM: REDUCING THE IMPACT OF FRAILTY IN THE HEALTH AND SOCIAL SERVICES: SOME EXPERIENCES FROM THE EUROPEAN INNOVATION PARTNERSHIP ON ACTIVE AND HEALTHY AGEING.**  
Chaired by Jorge Pinto Antunes, Senior Policy Officer, European Commission

9:30 am  
**Screening for pre-frail patients in primary health care settings and the community**  
Dr Anne Hendry, National clinical lead for Quality, NHS Scotland (UK)

9:50 am  
**Nutrition and prevention frailty**  
Dr Harriët Jager-Wittenaar, Senior researcher Professorship in Health Care and Nursing, Hanze University of Applied Sciences Groningen, Netherlands.

10:10 am  
**Integrated care management of the older patient in clinical settings**  
Dr Bonaventura Bolibar, Scientific Director, University Institute in Primary Care Research Jordi Gol (IDIAP Jordi Gol) - Barcelona, Spain.

10:30 am  
**Coffee Break and Posters**

11:00 am  **KEYNOTE: CLINICAL TRIALS OF PHYSICAL AND COGNITIVE FRAILTY**  
Marco Pahor (Gainesville-USA)

11:30 am/12:15 am  **Oral communications**  Chaired by Yves Rolland (Toulouse, France), Jeannette Beasley (NY, USA)

11:30 am  
**Is available fall-detection technology suitable for use in clinical trials?**  
Shyamal Patel1,2, Alessandro Puiatti1,3, Jim Niemi1, Ronenn Roubenoff4, Joerg Goldhahn4, Paolo Bonato1,2 1 Wysst Institute for Biologically Inspired Engineering, Harvard University, Boston MA; 2 Dept of Physical Medicine and Rehabilitation, Harvard Medical School, Boston MA; 3 University of Applied Sciences and Arts of Southern Switzerland, Bellinzona Switzerland; 4 Translational Medicine, Novartis Institutes for Biomedical Research, Cambridge MA

11:45 am  
**Biomarker-calibrated protein intake and physical function in the women’s health initiative**  
Beasley JM, Wertheim BC, LaCroix A, Prentice RL, Shyamal Patel, Niu B, Thomson CA5 1. Albert Einstein College of Medicine, Bronx, NY, United States. 2. University of Western Ontario, London, Canada. 3. Albert Einstein College of Medicine, Bronx, NY, United States. 4. Arizona Cancer Center, Tucson, AZ, United States. 5. Fred Hutchinson Cancer Research Center, Seattle, WA, United States. 6. University of Arizona, Tucson, AZ, United States. 7. Memorial Hospital of Rhode Island, Pawtucket, RI, USA

12:00 am  
**Safety and pharmacodynamic effects of regn1033/sar391786, a fully human monoclonal antibody specific to myostatin, in young and older healthy volunteers**  
Xiaobing Qian, Ana Kostic, Haobo Ren, Pavel Belomestnov, Paul Tiseo, Evelyn Gasparino, Robert Pordy, Scott Mellis Institutions: Regeneron Pharmaceuticals, Inc USA

12:15 am  **KEYNOTE: FUTURE TREATMENTS OF SARCOPENIA**  
Daniel Rooks (Cambridge-USA)

12:45 am  
**Lunch Break and Posters**

2:00 pm/4:00 pm  **Symposiums: Parallel Sessions • FRAILTY • Ballroom 1**

2:00 pm/3:00 pm  **SYMPOSIUM: FRAILTY RESEARCH: EVIDENCE FROM JAPAN**  Chaired by Hidenori Arai (Kyoto - Japan)

2:00 pm  
**Importance of Frailty in the management of chronic non-communicable disease**  
D Sugimoto (Japan)

2:20 pm  
**Frailty Checklist in Japan; Does it work?**  
Hidenori Arai (Kyoto-Japan)

2:40 pm  
**Implication of Frailty Screening in Japan**  
Shosuke Satake (Obu-Japan)

3:00 pm/4:00 pm  **SYMPOSIUM: TREATMENT OF FRAILTY**  Chaired by Roberto Bernabei (Roma-Italy)

3:00 pm  
**Model InterRAI on Frailty assessment: Roberto Bernabei (Roma-Italy)**

3:20 pm  
**Activities & preliminary results from the Toulouse Frailty platform**  
Gabor Abellan van Kan (Toulouse-France)

3:40 pm  
**The EUGMS initiative: Francesco Landi (Rome, Italy)**

4:00 pm  
**Coffee Break and Posters**
ICFSR 2014
International Conference on Frailty & Sarcopenia Research

5:30pm
Symposiums: Parallel Sessions • SARCOPENIA • Ballroom 2

2:00pm/3:00pm SYMPOSIUM: TROUBLE AT THE JUNCTION: FACTORS CAUSING INSTABILITY OF THE AGING NEUROMUSCULAR JUNCTION. Chaired by Russell T. Hepple, Christie Meakins (McGill University- Canada)

2:00pm The role of synaptic molecules in motor neuron and muscle diseases Greg Valdez (Virginia Tech Carilion, USA)

2:20pm Alterations in myocyte signaling networks regulating post-synaptic components of the neuromuscular junction with aging Russell T. Hepple (McGill University- Canada)

2:40pm Decoding of the functional state of the neuromuscular junction by glial cells in normal and pathological aging Richard Robitaille (Montreal, Canada)

3:00pm/4:00pm SYMPOSIUM: SARCOPENIA AND FRAILTY RESEARCH: ASIAN PERSPECTIVES Chaired by Kenji Toba (Kyoto, Japan)

3:00pm Frailty, Sarcopenia and Cognitive Decline: the Role of White Matter Lesion Liang-Kung CHEN (Taipei, Taiwan)

3:15pm Management of frailty and sarcopenia by multidisciplinary approach in Japan Hidenori Araki (Kyoto, Japan)

3:30pm Sarcopenia and its association with bone mineral density and serum Vit D3 among older Chinese men in Beijing Yixin HU (Beijing, China)

3:45pm Height adjusted appendicular skeletal muscle is more predictable of osteoporosis in Korean elderly Chang Won WON (Seoul, Korea)

4:00 pm Coffee Break and Posters

4:30pm/6:45pm Oral Communications: Parallel Sessions • FRAILTY • Ballroom 1

4:30pm Differences in gait cycle variability between persons with and without high gait speed and/or high grip strength: Bogen B1, 2, Ranhoff AH2, 3, Aaslund MK1, Moe-Nilsen R1 1/Physiotherapy Research Group, University of Bergen, 2/Kavli Research Center for aging and dementia, 3/Department of Clinical Science, University of Bergen, Norway.

4:45pm Impaired diurnal cortisol levels among pre-frail elderly: Johar H1, Emeny RT1, Bidlingmaier M2, Reincke M2, Thorand B1, Peters A1, Heier M1, Ladwig KH1,3, for the MONICA/KORA Investigators • Institutions: 1/ Institute of Epidemiology II, Helmholtz Zentrum München, German Research Centre for Environmental Health, Ingolstädter Landstr. 1, Neuherberg, Germany, 2/ Klinikum der Universität München, Medizinische Klinik und Poliklinik IV, Munich, Germany, 3/ Department of Psychosomatic Medicine and Psychotherapy, Klinikum rechts der Isar, Technische Universität München, Langerstr. 3, Munich, Germany

5:00pm Diet quality is positively associated with indexes of muscle mass and attenuates the impact of c-reactive protein levels on muscle mass E. Kelaiditi1, A. Cassidy1, A. Jennings1, A. MacGregor2, T. Spector3, and A. Welch4, Departments of Nutrition1, Medicine2 and Population Health & Primary Care4, Norwich Medical School, University of East Anglia, Norwich, Norfolk, NR4 7TJ, UK; 3/Department of Twin Research & Genetic Epidemiology, King’s College London, SE1 7EH, UK


5:30pm Mitochondrial dysfunction and motor neuron degeneration in sarcopenia: K.A. Rygjeil, J.P. Grady, D.M. Turnbull • Mitochondrial research Group, Welcome Trust Centre for Mitochondrial Disease, Medical School, Newcastle University, UK

5:45pm Sarcopenic obesity in older persons: modifications of body composition, muscular strength and physical performance due to resistance training: Stoever K1, Heber A2, Eichberg S1, Zijlstra W1, Brixius K2 • 1/Institute of Movement and Sport Gerontology, German Sport University Cologne 2/Department of Molecular and Cellular Sport Medicine, Institute of Cardiovascular Research and port Medicine, German Sport University Cologne, Germany.
6:00pm/6:45pm  
**Oral Communications: Parallel Sessions • FRAILTY • Ballroom 1**  
Chaired by Karolina Rygiet (Newcastle, UK), Elnihi Kelaïdit (Toulouse, France)

6:00pm  
Sustained attention correlates with two models of frailty at baseline and follow-up: the Irish longitudinal study of ageing.  
O’Halloran AM1, King-Kallman RS1, O’Connell MD1, Robertson IH2 and Kenny RA1.  
TILDA (The Irish Longitudinal Study on Ageing), Dept. of Medical Gerontology, ZDpt. of Psychology, Trinity College Institute of Neuroscience, Trinity College, Dublin, Ireland.

6:15pm  
Incidence and prevalence of sarcopenia and sarcopenic obesity in a cohort of elderly brazilians: sabe survey - health, well-being and aging:  
Marucci MFN1, 7, Roediger MA2, 7, Bueno DR2, 7, Ferreira LS3, 7, Gobbo LA4, 7, Duarte YA05, 6, 7, Lebrão ML6, 7  
1 Department of Nutrition, University of São Paulo, São Paulo, Brazil 2 Postgraduate student, University of São Paulo, São Paulo, Brazil 3 School of Nutrition, Federal University of Rio de Janeiro State, Rio de Janeiro, Brazil 4 Department of Physical Education, São Paulo State University, Presidente Prudente, Brazil 5 School of Nursing, University of São Paulo, São Paulo, Brazil 6 Department of Epidemiology, University of São Paulo, São Paulo, Brazil 7 SABE Survey, Health, Well-being and Aging.

6:30pm  
MMP-2 mediated degradation of titin in muscle atrophy study:  
Sun S1, Nedergaard A1, Karsdal MA1, Henriksen K1, Armbrecht G2, Belavý DL2, Felsenberg D2 1Nordic Bioscience Biomarkers and Research, Herlev, Denmark 2Center for Muscle and Bone Research, Charité Campus Benjamin Franklin, Free University and Humboldt-University Berlin, Berlin, Germany

4:30pm/4:45pm  
**Oral Communications: Parallel Sessions • SARCOGENIA • Ballroom 2**  
Chaired by Rosaly Correa-de-Araujo (Bethesda, USA), Gabor Abellan Van Kan (Toulouse, France)

4:30pm  
Neurophysiological determinants of muscle weakness in aging: Clark BC1,2, 3, Law TD1, 4, Hoffman RL1, Gau JT1, 3, and Russ DW1, 5 1/Ohio Musculoskeletal and Neurological Institute (OMNI) at Ohio University, Athens, OH 2/Department of Biomedical Sciences at Ohio University, Athens, OH, 3/ Department of Geriatric Medicine and Gerontology at Ohio University, Athens, OH, 4/ Department of Family Medicine at Ohio University, Athens, OH; 5/School of Rehabilitation and Communication Sciences at Ohio University, Athens, OH, USA.

4:45pm  
Cross-sectional associations between different measures of obesity and muscle strength in men and women from a british cohort study:  
Keeliv VL1, Luben R1, Dalzell N1, Hayat S1, Sayer AA2,3, Wareham NJ4 & Khaw K-T1 1/ Department of Public Health and Primary Care, University of Cambridge, Strangeways Research Laboratory, Worts Causeway, Cambridge, CB1 8RR, UK 2/Academic Geriatric Medicine, Faculty of Medicine, University of Southampton, Southampton, SO16 6YD, UK 3/MRC Lifecourse Epidemiology Unit, Faculty of Medicine, University of Southampton, Southampton, SO16 6YD, UK 4/MRC Epidemiology Unit, University of Cambridge, Institute of Metabolic Science, Cambridge, CB2 0QQ, UK

5:00pm  
No protection of muscle mitochondrial function in elite octogenarian master athletes: Spendiff S1, Fion M-E1, Giousspillou G2, Wright K2, Vuda, M2, Morais J2, Hepple R T1, 2, Taiassalo T1. 1Department of Kinesiology, McGill University, Montreal, Canada 2McGill University Health Centre, Montreal, Canada 3Département de Kinanthropologie, Université du Québec à Montréal, Montreal, Canada

5:15pm  
Shorter telomeres in peripheral blood lymphocytes from older community-dwellers with sarcopenia: Lorenzi M, Onder G, Vetranio DL, Landi F, Bernabei R, Marzetti E 1Department of Geriatrics, Neurosciences and Orthopedics, Catholic University of the Sacred Heart, Rome, Italy

5:30pm  
Incidence, risk factors and the protective effect of high body mass index against sarcopenia in community-living older chinese people: Yu R1, Wong M1, Leung J2, Lee J3,4, Ayueung TW3, 5, Woo J1 1/Department of Medicine and Therapeutics, The Chinese University of Hong Kong, Hong Kong, China 2/Jockey Club Centre for Osteoporosis Care and Control, The Chinese University of Hong Kong, Hong Kong, China 3/The S.H. Ho Centre for Gerontology and Geriatrics, The Chinese University of Hong Kong, China 4/Department of Medicine and Geriatrics, Shatin Hospital, Hong Kong, China 5/Department of Medicine and Geriatrics, Pok Oi Hospital, Hong Kong, China

5:45pm  
Influences of body fat distribution on muscle strength in elderly people: gender differences: Carmen Castilla José A. Carnicero, Mari Ángeles de la Torre, Solange Amor, Sonia Humanes, Gonzalo Gutiérrez, Leocadio Rodríguez-Mañas, Francisco J. García-García

6:00pm  
Intramuscular Fat Infiltration and Changes in Functional Ability Are Key Features Accompanying Loss of Muscle Mass in Early Sarcopenia: Merchant RA1, 2, Banerji S2, Chew E1, Poh CL3, Sheah K4, Singh G2, Pereira B2, Guo YR2, Pang YW2, Kambadur R3, Sharma M2, Tay SK1, 2 1/ National University Hospital, Singapore 2/ National University of Singapore, Singapore 3/ Nanyang Technological University, Singapore 4/Asia Medic Limited, Singapore

6:15pm  
Detecting sarcopenia in community-dwelling older adults: Shinya Ishii1, Tomoki Tanaka2, Katsuya Iijima2, 1. Department of Geriatric Medicine, Graduate School of Medicine, University of Tokyo. 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8655 Japan 2. Institute of Gerontology, University of Tokyo. 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8655 Japan

6:30pm  
Validation of FNIIH sarcopenia phase i criteria for clinically relevant weakness and low lean mass: Correa-de-Araujo R. National Institute on Aging, National Institutes of Health, U.S. Department of Health and Human Services, Bethesda, Maryland, USA
Program • Friday 14th March 2014

8:00am/9:00am **ORAL COMMUNICATIONS:** Chaired by Roger Fielding (Boston-USA), Bruno Vellas (Toulouse, France)

8:00am Cross Sectional Analysis of the Factors Associated with Long Term Risk of Death among Frail Elderly: Observations from the Women’s Health Initiative Observational Study: Zaslavsky O1, Zisberg A1, Shadmi E1, Woods NF2, Cochrane BB2,3, LaCroix AZ21 Department of Nursing, University of Haifa, Israel; 2 School of Nursing, University of Washington, Seattle, WA; 3 Public Health Sciences, Fred Hutchinson Cancer Research Center, Seattle, WA, USA.

8:15am Sedentary behaviours in hospitalized frail patients: Theou O1, Madsen MA2, Rockwood K12, Division of Geriatric Medicine, Dalhousie University, Halifax, Nova Scotia, Canada. 2. Centre for Health Care of the Elderly, QEII Health Sciences Centre, Capital District Health Authority, Halifax, Nova Scotia, Canada.

8:30am A systematic review of the prevalence of, and interventions for, sarcopenia in aging adults, as defined by the ewgsp group (ewgsp) Cruz-Jentoft AJ1 & Cederholm T2 on behalf of the International Sarcopenia Initiative and the European Union Geriatric Medicine Society Institutions: 1. Servicio de Geriatria, Hospital Universitario Ramón y Cajal, Madrid, Spain; 2. Department of Public Health and Caring Sciences, Uppsala University, Uppsala, Sweden.

8:45am Fatigue is associated with serum Interleukin-6 levels and symptoms of depression in patients on chronic hemodialysis: ; Maurizio Bossola1*, Enrico Di Stasio 2*, Patrizia Silvestrini, Stefania Giungri, Luigi Tazza1 1Hemodialysis Service, Department of Surgery and 2 Department of Clinical Chemistry, Catholic University, Rome, Italy

9:00am **KEYNOTE: OVERVIEW OF THE CURRENT THERAPEUTIC TRIALS IN SARCOPENIA:** Roger Fielding (Boston-USA)

9:30am/10:30am **SYMPOSIUM: BEYOND EPIDEMIOLOGICAL RISK ASSESSMENT: FRAILTY SYNDROME IDENTIFICATION AS THE KEY FOR CLINICAL MANAGEMENT, BIOLOGICAL DISCOVERY, AND INTERVENTION DEVELOPMENT.** Chaired by Jeremy Walston (USA)

9:30am Different instruments for different purposes: an overview of the various frailty instruments and their applications Varadhan R (USA)

9:50am Frailty phenotype refinement: can simplification be achieved without loss of syndrome measurement validity? Xue QL (USA)

10:10am Recent advances in understanding the biology of frailty and the implications for selection of intervention targets Walston JD (USA)

10:30am Coffee Break and Posters

11:00am **KEYNOTE: NEW METHODS FOR ASSESSING MUSCLE MASS:** Ram Miller (Raleigh-Durham-USA)

11:30am/12:30am **SYMPOSIUM: INNOVATIVE MEDICINES INITIATIVE PROJECT ON PHYSICAL FRAILTY AND SARCOPENIA (PF&S) S. Del Signore, P.Bordes and P. Guillet (Chilly-Mazarin, France)

11:30am About IMI, model, opportunities, …: M Gunn (Bruxelles, Belgium)

11:50am ITI PF&S scientific hypothesis: P Guillet (Chilly-Mazarin, France)

12:10am The project and its deliverables: S Del Signore (Chilly-Mazarin, France)

12:30am **KEYNOTE: OBESITY SARCOPENIA & FRAILTY:** Dennis Villareal (Albuquerque-USA)

13:00am Lunch Break and Posters

2:00pm/4:00pm **SYMPOSIUM & ORAL COMMUNICATIONS: PARALLEL SESSIONS • Ballroom 1**

2:00pm/3:00pm **SYMPOSIUM: STRATEGIES TO AUGMENT MUSCLE MASS IN ELDERLY; THE ROLE OF EXERCISE, NUTRITION, AND MUSCLE STEM CELLS** Chaired by Lisette De Groot CPGM, Luc Van Loon (Wageningen - Netherlands)

2:00pm Strategies to improve muscle protein synthesis in the elderly: Lex Verdijk (Wageningen - Netherlands)

2:20pm The role of satellite cells in skeletal muscle atrophy and hypertrophy in the elderly: Tim Snijders (Maastricht - Netherlands)

2:40pm Dietary protein supplementation to augment muscle mass and performance in the elderly: Michael Tieland (Wageningen - Netherlands)

3:00pm/4:00pm **ORAL COMMUNICATION:** Chaired by Willemke Nijholt (Groningen, Netherlands)

3:00pm Predictive value of potential frailty criteria for disability and mortality outcomes: results from the esther cohort study: Kai-Uwe Saum, I Aida Karina Dieffenbach, I Heiko Müller, I Bernd Holleczek, 2/ Klaus Hauer, 3/ Hermann Brenner1 • 1/ Division of Clinical Epidemiology and Aging Research, German Cancer Research Center, Heidelberg, Germany; 2/ Epidemiological Cancer Registry of Saarland, Saarbrücken Germany; 3/ Department of Geriatric Research, Bethanien-Hospital and Geriatric Centre, University of Heidelberg, Germany.

3:15pm Neuromuscular profile of healthy and pre-frail elderly men: a pilot study: Pion CH1,3, Barbart-Artigas S1,3, Chevalier S4, Gaudreau P5, Gouspillou G2,3, Morais JA4, Aubertin-Leheudre M2,3, Bélanger M2,3. • 1/ Département de Biologie, Faculté des Sciences, Université du Québec à Montréal, Canada. 2/ Département de kinanthropologie, Faculté des Sciences, Université du Québec à Montréal, Canada. 3/ Groupe de recherche en Activités Physiques Adaptées, Faculté des Sciences, Université du Québec à Montréal, Canada. 4/ McGill University, Division of Geriatric Medicine, Montreal, Canada. 5/ Département de médecine, Université de Montréal, Canada.

3:30pm Association between sociodemographic and anthropometric factors with frailty syndrome in brazilian elderly: the fibra study: Pessanha FPAS1, Dias RC2, Lourenço RA3, Neri AL4, Moriguti JC1, Lim a N KC1, Ferriolli E1 1/ Department of Internal Medicine, University of São Paulo, Ribeirão Preto / São Paulo 2/ Department of Physical therapy and occupational therapy, Federal University of Minas Gerais, Belo Horizonte/ Minas Gerais 3/ Departamento de Internal Medicine, State University of Rio de Janeiro, Rio de Janeiro/ Rio de Janeiro 4/ Department of Educational Psychology, State University of Campinas, Campinas/ São Paulo, Brazil.

3:45pm Physical activity, healthy diet and good cognitive functioning: findings from the longitudinal aging study amsterdam: Nijholt W1, Jager-Wittenaar H1, Visser M2,3, Hobbelijn JSM1 1. Research and Innovation Group in Health Care and Nursing, Hanze University of Applied Sciences, Groningen, Netherlands; 2. Department of Health Sciences, VU University Amsterdam; 3. Department of Epidemiology and Biostatistics, VU University Medical Center, Amsterdam, Netherlands.
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2:00pm/4:00pm SYMPOSIUM COMMUNICATIONS: PARALLEL SESSIONS • Ballroom 2

2:00pm/3:00pm SYMPOSIUM: MUSCLE LOSS/FUNCTION WITH TRAUMA, SEPSIS, AND MECHANICAL VENTILATION IN THE ELDERLY: TARGETS AND INTERVENTIONS Chaired by Christian Leeuwenburgh (Gainesville - USA)

2:00pm Overview: Biological mechanisms and functional consequences of trauma and severe sepsis/septic shock C Leeuwenburgh (USA)

2:20pm Dysfunctional innate immune response in animals and humans following trauma and sepsis P Efron (USA)

2:40pm Ventilator-induced diaphragm dysfunction in humans: implications for weaning and possible treatments D Martin (USA)

3:00pm/4:00pm SYMPOSIUM: CELLULAR, STRUCTURAL AND FUNCTIONAL MARKERS OF SARCOPENIA Chaired by: M Aubertin-Leheudre (Canada)

3:00pm New insights into the effects of aging on mitochondrial function in human skeletal muscle: G Gouspillou (Montreal, QC, Canada)

3:20pm Skeletal Muscle Remodeling with Sarcopenia: Features and Functional Consequences: M Narici (Nottingham, UK)

3:40pm New clinical perspectives on muscle quality: M Aubertin-Leheudre (Montreal, QC, Canada)

4:00 pm Coffee Break and Posters

4:30pm/6:00pm ORAL COMMUNICATIONS: PARALLEL SESSIONS • Ballroom 1

4:30 pm Association between oxidative stress and frailty in an elderly german population: results from the esther cohort study: Kai-Uwe Saum, MPH. *1 Aida Karina Dieffenbach, PhD. *1 Helko Muller, PhD.0 Eunige HJ M Jansen PhD.2 Christa Stegmaier, Dipl. med.Inform.,3 Klaus Haue, PhD.4 Hermann Brenner MD, MPH.11 Division of Clinical Epidemiology and Aging Research, German Cancer Research Center, Heidelberg, Germany. 2Centre for Health Protection, National Institute for Public Health and the Environment, Bilthoven, the Netherlands, 3Epidemiological Cancer Registry of Saarland, Saarbrücken, Germany. 4Department of Geriatric Research, Bethanien Hospital and Geriatric Centre, University of Heidelberg, Germany.

4:45 pm Elevated erythrocyte sedimentation rate is associated with muscle strength but not with muscle mass in community dwelling elderly women: Lee EY1, Choi DP2, Yoon YM2, Lee JM2, Rhee Y1, Kim HC2, Yoon Y3, Kim CO 1 1Department of Internal Medicine, Yonsei University College of Medicine, Seoul, Korea; 2: Department of Preventive Medicine, Yonsei University College of Medicine, Seoul, Korea; 3: Department of Sociology, Yonsei University, Seoul, Korea

5:00 pm Superior strength and functional performance in elite octogenarian masters athletes is associated with preserved muscle quantity not quality: Filon ME MSc1, Spendiff S PhD2, Morais J2, Vellner P1, Taivassalo T1, and Heppe RT1, 2- Department of Kinesiology, McGill University, Montreal, QC, Canada; 2- McGill University Health Center, Montreal, QC, Canada

5:15 pm Pre-frailty and frailty as markers of cognitive function in community dwelling older adults: A Robertson1, G M Savva2, R F Coen3, R A Kenny! 1. 1TILDA (The Irish Longitudinal Study on Ageing), Dept. of Medical Gerontology, Trinity College Dublin. - 2. School of Nursing Sciences, University of East Anglia, Norwich Research Park, Norwich, UK. - 3. Mercer's Institute for Research on Ageing, St. James' Hospital, Dublin 8, Ireland.

5:30 pm Carotid intima-media thickness and endothelial damage in frailty: the three-city study: Avila-Funes JA1,2, Meillon C2, Dartigues JF2, and Amieva H2. 1. Department of Geriatrics, Instituto Nacional de Ciencias Medicas y Nutricion Salvador Zubiran, Mexico City, Mexico; 2. Centre de recherche Inserm, U997, Bordeaux, F-33000 France; Univ Victor Segalen Bordeaux 2, Bordeaux, F-33000 France.

5:45 pm Serum 25-Hydroxyvitamin D deficiency is associated to frailty syndrome in elderly men and women: ProVA Study: Sarti S1, Coin A1, Ruggiero E1, Berton L1, Sergi G1, Manzato E1, Toffanello ED11. Department of Medicine-DIMEG, Geriatric Division; University of Padua, Italy.

4:30pm/6:00pm ORAL COMMUNICATIONS: PARALLEL SESSIONS • Ballroom 2

4:30 pm The green tea polyphenol, Epigallocatechin-3-gallate (EGCG), attenuates skeletal muscle atrophy in a rat model of sarcopenia: Pereira SL1, Meador BM 1, Skelding, MB1, Mirza KA2, Tisdale MJ2, Reaves LA1, Edens NE1 1Columbus, OH, USA; 2 Aston University, Birmingham, UK

4:45 pm Dietary magnesium is positively associated with indices of muscle mass and may attenuate the association between creatine kinase and muscle mass A. Welch1, E. Kelaiditi2, A. Jennings, A. MacGregor3, T. Spector4, and A. Cassidy2 Departments of Population Health & Primary Care1, Nutrition2, and Medicine3, Norwich Medical School, University of East Anglia, Norwich, Norfolk, NR4 7TJ, UK; 4Department of Twin Research & Genetic Epidemiology, King’s College London, SE1 7EH, UK.

5:00 pm Sex and age related differences in muscle mass and quality determined by mid-thigh computed tomography in a middle aged and elderly Japanese population: Kasai T,1 Matsui Y1 Harada A,1 Yuki A2 Kato Y3 Otsuka R,3 Ando F4 Shimokata H5 1Department of Orthopedic Surgery, National Center for Geriatrics and Gerontology, Obu, Japan 2-Faculty of Education, Kochi University Graduate School of Integrated Arts and Sciences, Kochi, Japan 3-Section of N ILS-LSA, Center for Gerontology and Social Science, National Center for Geriatrics and Gerontology, Obu, Japan 4-Faculty of Health and Medical Science, Aichi Shukutoku University, Nagakute, Japan 5-Graduate School of Nutritional Sciences, Nagoya University of Arts and Sciences, Nissin, Japan

5:15 pm Efficacy of exercise to improve physical function in community - dwelling frail older people. a systematic review. Roque - Figuls M1, Giné - Garriga M2, Coll-Planas L1, Sjö-Robert M3, Salvia-Casanovas A1 Institutions: Institute on Aging, Universitat Autonoma de Barcelona, Barcelona, Spain. 2 Department of Physical Activity and Sport Sciences, FCPEE Blanquerna. Universitat Ramon Llull, Barcelona, Spain; Department of Physical Therapy, FCS Blanquerna. Universitat Ramon Llull, Barcelona, Spain. 3 Physiotherapy Research Group (GReFs), Blanquerna School of Health Science, Universitat Ramon Llull, Barcelona, Spain

5:30 pm Differences in objective balance strategy parameters across frailty categories mohler j 123, toosizadeh n 23, fain m 123, sklepian m 3 45, schwener m 123, parvanesh s 23, greval g 23, najafi b 123 1 university of arizona, department of medicine, division of geriatrics, general internal medicine and palliative medicine, tucson, arizona; 2 Arizona Center on Aging, Tucson, Arizona; 3 University of Arizona, Department of Surgery, interdisciplinary Consortium On Advanced Motion Performance, Tucson, Arizona; 4 University of Arizona, sarver center, Tucson, Arizona; 5 University of Arizona, Department of Biomedical engineering, College of Engineering.

5:45 pm The Evaluative Frailty Index for Physical activity (EFIP): a reliable and valid instrument to measure change in level of frailty: De Vries, NM.1, Staal, JLB2, Olde Rikkert, M.G.M3, Nijlhuis- van der Sanders, M.W.G3, 1 Scientific Institute for Quality of Healthcare, Radboudumc, Nijmegen, The Netherlands 2 Scientific Institute for Quality of Healthcare, Radboudumc, Nijmegen, The Netherlands 3 Department of Geriatrics, Radboudumc, Nijmegen, The Netherlands 4 Scientific Institute for Quality of Healthcare, Radboudumc, Nijmegen, The Netherlands 1, 2, 3.
P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 P16 P17 P18 P19 P20
PROGNOSTIC FACTORS OF DEATH AMONG NURSING HOMES RESIDENTS FOLLOWED PROSPECTIVELY FOR A PERIOD OF 2 YEARS: Buckinx, F1&2, Beaudart,C1&2, Solmän, J1&2, Maquet, D3, Demonceau, M3, Gillain, S4, Petermans, J4, Reginster, JY1&2, Bruyère, O1,2&31 Department of Public health, Epidemiology and health Economics, University of Liège, Liège, Belgium.2 Support Unit in epidemiology and biostatistics, University of Liège, Liège, Belgium.3 Department of Matricity Sciences, University of Liège, Liège, Belgium4 Geriatric department, CHU de Liège, Liège, Belgium
THE SIGNIFICANCE OF AGE-ASSOCIATED SARCOPENIA AND APOTOPSIS AS PREDICTORS OF MYOCARDIAL DYSFUNCTION IN AGING: Goqshornova N.K., Medvedev N.V., Tarasov A.N.5 Department of polyclinic therapy & general practice, Kursk state medical university, Kursk, Russia
IMPACT OF AN AEROBIC TRAINING PROGRAM TO MUSCLE STRENGTHEN IN ELDERS ‘AT RISK OF SARCOPENIA’: CLINICAL TRIAL: Lustosa lp1, Pereira dagl, Dias rc1, Dias jndj1, Parentoni an2, Pereira Ism1 1 Department of physical therapy, Universidade federal de minas gerais, Belo horizonte, mg; Brazil 2. Department of physical therapy, Universidade dos vales do jequitinhonha e mucur, diamantina, mg, Brazil
DEVELOPING A PROGRAM FOR PROMOTING INTERGENERATIONAL EXCHANGE ACTIVITIES BETWEEN NURSING STUDENTS AND HEALTHY ELDERLY: Pingping Zhang1, Marko Otuka1, Reiko Tsuji1, Mitsuq ayoAzumi1, Yu Muazam1, Marko Zozhol1, Soo Ai Tan1 1 Department of Nursing, Faculty of Health Sciences, Saitama Prefectural University, Japan
A RARE CASE OF RECURRANCE OF AN EXTRAORDINARY PAGET’S DISEASE IN THE ELDERLY AND REVIEW OF LITERATURE: Zülfıqar A.A (1), El Adı(A) (1), Mahmoudi (1), Novella J. (1). Department of Internal Medicine and Geriatrics CHU Reims 45 rue Cognacq-Jay 51000 Reims, France
LATE-ONSET LUPUS AFTER 75 YEARS: DESCRIPTION OF A COHORT OF SIX PATIENTS: Zülfıqar A.A (1), Courtel T (1), Novella JL (1), Pennaforte JL (2). (1). Department of Internal Medicine and Geriatrics CHU Reims 45 rue Cognacq-Jay 51000 Reims, France (2). Department of Internal Medicine CHU Reims 45 rue Cognacq-Jay51100 Reims, France
ANTIOXIDANT DEFENSE PROFILE AND SARCOPENIA STADIUM IN A NURSING HOME: Duder Calvo me1. 1 Department of health and community action, faculty of health sciences and welfare, university of vic, barcelona, spain.
ASSOCIATION BETWEEN FRAILITY AND ENDOTHelial DYSFUNCTION AND NEGATIVE OUTCOMES IN BRAZILIAN PREDIALYSIS PATIENTS WITH CHRONIC KIDNEY DISEASE: Mansur H1N2, lovisi JCM1, Colugnati FAB1, Raposo NR1, Fernandes NM51,Bastos MG1.
SARCOPENIA IN UKRAINIAN WOMEN OF DIFFERENT AGE: Povoroznyuk V, Dzerovych N.Institute of Gerontontology NAMS Ukraine Kyiv, Ukraine.
WISDOM OF THE MODEL DISTRICT THAT ESTABLISHED A CONSULTING SERVICE OF THE HOME CARE FOR RESIDENT (CS OF HC -A QUARLATIVE ANALYSIS: Marko Zozhol1, Koji Sugano2Institutions: 1. School of Health and Social Services Department of Nursing, Saitama Prefectural University, Japan.2. Nagoya City University Hospital, Nagoya City University Graduate School of Medical Sciences, Japan
PREVALENCE AND CORRELATES OF MOBILITY PROBLEMS IN PATIENTS ATTENDING MEMORY CLINIC: A CROSS-SECTIONAL STUDY MAX: Alhamad HKM1, Sankaranarayanan A1, 2, Ramachandran T3, Al-Sulaiti EM1 Institutions:1. Department of Geriatrics, Rumailah Hospital, Hamad Medical Corporation, PO Box 3050, Doha Qatar 2. Weill-Cornell Medical College in Qatar 3. Department of Occupational Therapy, Rumailah Hospital, Hamad Medical Corporation, PO Box 3050, Doha, Qatar
PREVALENCE OF SARCOPENIA ACCORDING TO DIFFERENT DIAGNOSTIC TOOLS: Beaudart C1-2, Buckinx F1-2, Solmän J1-2, Quabron A1, Petermans J3, Gillain S3, Reginster JY1-4, Bruyère O1-2 1 Department of Public health, Epidemiology and Health Economics, University of Liège, Liège, Belgium 2 Support Unit in Epidemiology and Biostatistics, University of Liège, Belgium 3 Geriatric department, CHU Liège, Liège, Belgium 4 Bone and cartilage metabolism department, CHU Liège, Liège, Belgium
EFFECTS OF A RESISTANCE TRAINING PROGRAM FOR PRE-FRAIL ELDER WOMEN WITH SARCOPENIC OBESITY: A RANDOMIZED CONTROLLED TRIAL: Dias MD1, Vasconcelos KS2, Moreira DS3, Araújo MC4, Pinheiro ACS, Maia MM5,. Pereira LSM6, Dias RC8 1. Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil 2. Graduate Program Student, Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil 3. Graduate Program Student, Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil 4. Undergraduate Program Student, Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil 5. Undergraduate Program Student, Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil 6. Undergraduate Program Student, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil 7. Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil 8. Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil.
BLOOD PRESSURE IN ORTHOPAEDIATRIC PATIENTS WITH HIP FRACTURES: J. Ingerslev Medical Department Kolding, Sygehus Lillebaelt, University of Southern Denmark, Denmark
TELEVISION VIEWING TIME MEASURED OVER TEN YEARS OF FOLLOW-UP, MUSCLE STRENGTH AND USUAL WALKING SPEED IN COMMUNITY-BASED BRITISH MEN AND WOMEN: Keevil vl1, Luben r1, Hayat s1, Dalzell nl1, Sayer aa2, Wareham n4 & Khaw k-t1 1. Department of public health and primary care, University of Cambridge, strangesways research laboratory, wort’s causeway, Cambridge, cb1 8m, uk 2. Academic geriatric medicine, Faculty of medicine, University of Southampton, Southampton, so16 6yd, uk 3. mrc LifeCourse epidemiology unit, Faculty of medicine, University of Southampton, Southampton, so16 6yd, uk 4. mrc Epidemiology unit, University of Cambridge, Institute of Metabolism Science, Cambridge, cb2 0qg, uk
VALIDATION OF THE MINI NUTRITIONAL ASSESSMENT=SHORT FORM IN FRAIL ELDERLY PEOPLE: Lilamand M 1,2, Abellan van Kan G 1,2, Cesari M1,2, Guyonnet S 1,2, and Velus B 1,2. 1. Gerontopole de Toulouse, Toulouse University Hospital, 31059 Toulouse, France. 2. INSERM UMR 1027, Université de Toulouse III Paul Sabatier, Toulouse, France
SARCOPENIC OBESITY AND SARCOPENA AS RISK TO HOSPITALIZATION IN BRAZILIAN ELDERLY: SABE SURVEY – HEALTH, WELL-BEING AND AGING: Bueno DR1, Manucci MNP1 Roediger MA1, Gobbo LA1, Ferreira LS4, Lebrão MLS, Duarte YAOG1. 1 - Postgraduate student of School of Nutrition, School of Public Health, University of São Paulo, São Paulo, Brazil 2 - Department of Nutrition, School of Public Health, University of São Paulo, São Paulo, Brazil 3 - Department of Physical Education, Sao Paulo State University, Presidente Prudente- SP, Brazil 4 - School of Nutrition, Federal University of Rio de Janeiro State, Rio de Janeiro, Brazil 5 - Department of Epidemiology, School of Public Health, University of São Paulo, São Paulo, Brazil 6 - School of Nursing, University of São Paulo, São Paulo, Brazil
OLDER PEOPLE WITH COMORBIDITY ASSISTED BY A CASE MANAGER – ADDRESSING THE LACK OF INFORMATION AND FOLLOW-UP IN ELDERLY CARE: Fagerström C1., Lengstedt A.1 & Davidsson A.1 1Bläkinge Centre of competence, SE-371 81 Karlshäorna, Sweden
P21 NURSE HOME VISITS WITH OR WITHOUT ALERT BUTTONS VERSUS USUAL CARE IN THE FRAIL ELDERLY: A RANDOMIZED CONTROLLED TRIAL: Jesus Favela1, Luis A. Castro2, Francisco Franco-Marina3, Sergio Sánchez-García2, Teresa Juárez-Cedillo4, Claudia Espinel-Bermudez5, Julia Mora-Althamirano6, Marcela D Rodriguez6, Carmen García-Peña4*1Center for Scientific Research and Higher Education of Ensenada, Ensenada, Baja California, Mexico2Sonara Institute of Technology, Ciudad Obregón, Mexico3National Institute of Respiratory Diseases, Mexico Ministry of Health, Mexico City, Mexico4Epidemiologic and Health Service Research Unit, Aging Area, XXI Century National Medical Center, Mexican Institute of Social Security, Mexico City, Mexico5School of Engineering, MyDQ, Autonomous University of Baja California, Mexicali, Mexico

P22 LACK OF PROGNOSTIC SIGNIFICANCE OF SARCOPENIA IN THE ACUTE HIP FRACTURE PATIENTS: González-Montalvo J1, 3,4, Ailarcon T1, 3,4, Gotor P1, 3, Queipo R2, 3, Otero A2, 3,4, Hoyos R1, 3, Anza D1, Pardo A1. Institutions: 1. Geriatrics Department, Hospital Universitario La Paz, Madrid, Spain. 2. Preventive Medicine Department, Universidad Autónoma de Madrid, Madrid, Spain. 3. IAMPAZ. 4. RETICEF.

P23 PREVALENCE OF PRE-FRAIL AND FRAIL STATUS AMONG ELDERLY PATIENTS CONSULTING IN PRIMARY CARE CENTERS: Xenia Sist, Emili Burdó, Adoración Saiz, Lucia Jurado, Ruth Domenich, Anna Roces, Elisabet Palomer, Mateu Serra-Prat.

P24 INTRA-SESSION-TEST-RETEST RELIABILITY AND FEASIBILITY OF THE TIMED “UP & GO”-TEST IN HIP FRACTURE PATIENTS: Faleide AG1, 2, Bogen B3, Magnussen LH1 1Bergen University College, 2Haraldsplass Deaconess Hospital, 3University of Bergen, Norway

P25 SELECTED FACTORS PREDICTING HEALTH STATUS AMONG PERSONS WITH KNEE OSTEOARTHRITIS: Areu-Use 1, 4, Roopasawang i 2, 4, Vanasanannt 3, 4, 1. Associate Professor, 2. Instructor, 3. Assistant Professor, 4. Ramathibodi School of Nursing, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok, Thailand

P26 USE OF THE FRAILTY INDEX TO COMPARE THE STAGES OF AGING IN TWO MOUSE MODELS OF ALZHEIMER´S DISEASE: Brown RE1, Wong AA1, Feridooni H2, & Howlett SE2 Departments of Psychology and Neuroscience1, and Pharmacology2, Dalhousie University, Halifax, Nova Scotia, Canada

P27 EVOLUTION OVER TWO YEARS OF FUNCTIONAL AND MOTOR ABILITIES AMONG NURSING HOME RESIDENTS: Buckinx, F18,2, Beaucardt, C18,2, Slomian, J18,2, Maquet, D3, Demoncrou, M3, Gillain, S4, Petersmans, J4, Regnier, J18,2, Bruyère, O1,2&3 1Department of Public health, Epidemiology and health Economics, University of Liége, Liége, Belgium. 2 Support Unit in epidemiology and biostatistics, University of Liége, Liége, Belgium. 3 Department of Motricity Sciences, University of Liége, Liége, Belgium

P28 HANDGRIP STRENGTH AND MORBIDITY ASSOCIATED IN OLDER PATIENTS OF HOME CARE PROGRAM IN BOGOTÁ, COLOMBIA: Cadena Sanabria mon1, 2, Barragan f3, Garcia Ortiz ma3, Guain-Parrn nr4, 1department of internal medicine, geriatrics unit, clinica cardos ardila lulle, bucaramanga, colombia 2. professor of geriatrics, university nacional de bucaramanga, colombia 3. geriatrician, universidad nacional de colombia 4. statistical, university nacional de colombia

P29 FRAGILE PILOT STUDY OF ELDERLY IN CHILEAN GERIATRIC HOSPITAL: Chávez J1, Guzmán d1, Ibaceta a1, Eirea l2, Ortega c2. 1Instituto nacional de geriatría1 (inger); 2 ilem Duocuc, Chile

P30 SUCCESS OF PROMOTING AGING RESEARCH IN TAIWAN: NOW AND THE FUTURE: Lu Kang-Chen1, MO, PhD Aging and Health Research Center, National Yang Ming University Center for Geriatrics and Gerontology, Taipei Veterans General Hospital, Taiwan

P31 ASSOCIATION OF COGNITIVE IMPAIRMENT, DEPRESSIVE SYMPTOMS AND SARCOPENIA AMONG MALE ELDERLY IN THE VETERANS HOME IN SOUTHERN TAIWAN: Ming-Tueh Chou1, 2,6, Ying-Hsin Hsu1, 3,6, Chih-Kuang Lung1, 3,6, Mei-Chen Liao1, 4, Yu-Teh Lin1, 3,6, Lung-Kiang Chen5, 6, Yue-Kueo Lo1, 3,6 1Geriatric Medicine Center, 2 Department of Family Medicine, 3 Division of Neurology, Department of Internal Medicine, 4Department of Emergency Medicine, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan, 5Center for Geriatrics and Gerontology, Taipei Veterans General Hospital, and 6Glational Yang Ming University School of Medicine, Taipei, Taiwan

P32 ASSOCIATION BETWEEN SARCOPENIA AND UNDERNUTRITION IN OLDER PEOPLE ASSISTED AT THE PRIMARY HEALTHCARE SYSTEM: Closs VE, 1 Rosenberg L3,1 Etchik BG2, Rosa RD1, Deon R1, Gomes J1 Galdino TP3 Schwanke CH1 Institutions: 1Biomedical Gerontology Graduate Program of the Institute of Geriatrics and Gerontology Pontifical Catholic University of Rio Grande do Sul (ICG-PUCRS), 2 Federal University of Rio Grande do Sul (UFRGS). 3 Instituto de Pesquisas, Ensino e Gestão em Saúde (IPGES), Brazil

P33 MELATONIN TREATMENT DOWNREGULATES AUTOPHAGY IN THE LIVER OF OB/OB MICE: Beatriz de Luxán-Delgado1; Beatriz Caballero1; Yaiza Potes1, Adrian Rubi gonzález1; Iñaki Rodríguez1; José Güetirez-Rodriguez2; Juan José Solano2; Ana Coto-Montes1 1Department of Morphology and Cellular Biology, Faculty of Medicine, University of Oviedo, Julián Cleaveria sin, 33006, Oviedo, Spain. 2Geriatrics Service, Monte Naranco Hospital, 33012, Oviedo, Spain.

P34 INFLUENCE OF N-3 POLYUNSATURATED FATTY ACIDS (N-3 PUFAS) ON BODY COMPOSITION IN ELDERLY PEOPLE WITH LOW MUSCLE MASS - PRELIMINARY RESULTS: Czeplew N 1, Kryzmriska-Siemaszko R2, Witowski J 1, Wieczorowska-TobiS K 3, 1 Department of Pathophysiology, Poznan University of Medical Sciences, Poland 2 Department of Geriatrics and Gerontology, Poznan University of Medical Sciences, Poland 3 Department of Radiatife Physiography, Poznan University of Medical Sciences, Poland

P35 GAIT SPEED AS PREDICTOR OF OUTCOMES OF ELECTIVE CARDIAC SURGERY IN OLDER PATIENTS: M de St-Hubert, J Jamart, L Gabriel, M Gourdin, J Mitchell, I Michaux CHU Mont-Godinne, UC Louvain, Namur Research Institute for Life Science, Belgium

P36 PHYSICAL AND FUNCTIONAL PERFORMANCE AND FALLS OF NON-FRAIL AND PRE-FRAIL ELDERLY WITH LOW BONE MINERAL DENSITY: Dias JMD1, GarciaPA2,Silva B3, Matheus JP4, Pereira, LSM5, Dias R6 1 Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. 2. Physical Therapy Department, Universidade de Brasília – Brasília, Distrito Federal, Brazil. 3. Undergraduate Program Student, Physical Therapy Department, Universidade de Brasília – Brasília, Distrito Federal, Brazil. 4. Undergraduate Program Student, Physical Therapy Department, Universidade de Brasília – Brasília, Distrito Federal, Brazil. 5. Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. 6. Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil.

P37 INFLUENCE OF FUNCTIONAL CAPACITY IN TRANSITION OF FRAILTY IN ELDERLY COMMUNITY-DWELLING INDIVIDUALS: A LONGITUDINAL STUDY: Dias RC1, Silva SLA2, Viana IU3, Maciel AC4, Assis MG5, Pereira LSM6, Dias JMD7 1. Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. 2. Physical Therapy Department, Universidade Federal de Alleenas – Alleenas, Minas Gerais, Brazil. 3. Graduate Program Student, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. 4. Physical Therapy Department, Universidade Federal do Rio Grande do Norte – Natal, Rio Grande do Norte, Brazil. 5. Occupational Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. 6. Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. 7. Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil.

P38 TRANSITIONS PATTERNS FROM FRAILTY SYNDROME IN COMMUNITY-DWELLING ELDERLY INDIVIDUALS: A LONGITUDINAL STUDY: Dias RC1, Silva SLA2, Viana IU3, Maciel AC4, Assis MG5, Pereira LSM6, Dias JMD7 1. Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. 2. Physical Therapy Department, Universidade Federal de Alleenas – Alleenas, Minas Gerais, Brazil. 3. Graduate Program Student, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. 4. Physical Therapy Department, Universidade Federal do Rio Grande do Norte – Natal, Rio Grande do Norte, Brazil. 5. Occupational Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. 6. Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil.

P39 FRAILTY PHENOTYPE CRITERIA IN PORTUGUESE CENTENARIANS – EXPLORATORY FINDINGS FROM THE OPORTO CENTENARIAN STUDY: Duarte N1, Paul C1, Araújo L1,2, Brandão D1, Teixeira L1, Azevedo M1, Ribeiro O1,3 Institutions: 1. Unidade de Investigação e Formação sobre Adultos e Idosos (ICBAS-UP), 2. Escola Superior de Educação – Politécnico de Viseu, 3. Escola Superior de Saúde da Universidade de Aveiro
P60 ASSOCIATION OF MUSCLE STRENGTH, POWER AND OPTIMAL SHORTENING VELOCITY WITH FUNCTIONAL ABILITIES OF WOMEN WITH CHRONIC OSTEOARTHRITIS: Kostka J1, Czemicki J2, Kostka T3 1 Department of Physical Medicine, Medical University of Lodz, Poland 2 Clinic of Rehabilitation and Physical Medicine with Daily Care Division, Medical University of Lodz, Poland 3 Department of Geriatrics, Medical University of Lodz, Poland

P61 PREVALENCE OF SARCOPENIA IN ELDERLY WOMEN ACCORDING TO THE EUROPEAN CONSENSUS DEFINITION: Kozmińska-Siennaszko R1, Czepulski N2, Witowski J2, Wieczerzowska-Tobis K3 1 Department of Geriatrics and Gerontology, Poznan University of Medical Sciences, Poland 2 Department of Pathophysiology, Poznan University of Medical Sciences, Poland 3 Department of Palliative Medicine, Poznan University of Medical Sciences, Poland

P62 USE OF ANTHROPOMETRIC MEASUREMENTS AND MNA-SF TO PREDICT PHYSICAL ACTIVITY AND MUSCLE STRENGTH IN HOSPITALIZED ELDERLY PEOPLE: Kuroda Department of rehabilitation, St. Francis Hospital, Nagasaki, Japan Funding: The present study received no financial support.

P63 THE POWER OF THE MIND: THE MOTOR CORTEX AS A CRITICAL DETERMINANT OF MUSCLE STRENGTH/WEAKNESS: Law TD1,2, Clark BC1,3,4, Hoffman RL1, Mahato NK1, Nakazawa M1,5, Thomas JS1,3,6 10thi Musculoskeletal and Neurological Institute (OMNI) at Ohio University, Athens, OH 2Department of Family Medicine at Ohio University, Athens, OH 3Department of Biomechanics at Ohio University, Athens, OH 4Department of Geriatric Medicine and Gerontology at Ohio University, Athens, OH 5Office of Research at Ohio University, Athens, OH 6School of Rehabilitation and Communication Sciences at Ohio University, Athens, USA

P64 ASSOCIATION OF CIRCULATING LEVELS OF IGF-1 AND IGFBP3 WITH MUSCLES QUALITY AND PHYSICAL FUNCTION IN OLDER MEN: PRELIMINARY RESULTS: Jean-Philippe Leduc1, Gaudet1,4, Charlotte H. Pion1,2, Sébastien Barbat-Argas1,2, Marc Bélanger1,4, Gilles Gouaille1,4, José A. Morais5, Ferrette Glaudieux6,7, Mylène Aubertin-Leheudre1,8 1Groupe de Recherche en Activité Physique Adaptée, Université du Québec à Montréal, Montréal, Canada 2Département de Biologie, Université du Québec à Montréal, Montréal, Canada 3Institut Universitaire de Gériatrie de Montréal, Montréal, Canada 4Département de kinanthropologie, Université du Québec à Montréal, Montréal, Canada 5McGill Nutrition and Food Science Centre, MUHCRoyal Victoria Hospital, Montréal, Canada 6Laboratoire de Neuroendocrinologie du vieillissement, Centre de recherche du Centre Hospitalier de l’Université de Montréal, Montréal, Canada 7Département de Médecine, Université du Québec à Montréal, Montréal, Canada

P65 SARCOPENIA AND SARCOPENIC OBESITY IN CHILEAN OLDER PEOPLE: Lera L1, Albalza C1, Ángel B1, Sánchez H1, Picrin Y1,2, Hormazabal M1, Quiroa A3 1NIIM, University of Chile, Santiago de Chile 2CSAS, Santiago de Chile 3Department of Health and Education, Municipality Huechuraba, Santiago de Chile Funding: The present study is supported by Fons 510122337 and Fondecyt 1080588

P66 ASSOCIATIONS OF FRAILTY AND FUNCTIONAL STATUS IN ELDERLY PATIENTS WITH TYPE 2 DIABETES: Li Y1, Wang S1, Li J1, Jing XF2, Yang MK3, Wang LX1 1The Center of Gerontiology and Geriatrics, West China Hospital, Sichuan University, Sichuan, China; 2Department of Nutrition and Food Science, West China Hospital, Sichuan University, Sichuan, China; 3Department of Rehabilitation Medicine, West China Hospital, Sichuan University, Sichuan, China

P67 EFFECT OF A MUSCULAR STRENGTHENING PROGRAM IN SARCOPENIC ELDERLY: A CLINICAL TRIAL: Lustosa LPI1, Pereira DAG1, Dias RC1, Dias JMD1, Parentoni AN2, Pereira LSM1 1Department of Physical Therapy, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil 2Department of Physical Therapy, Universidade dos Valles do Jequitinhonha e Mucuri, Diamantina, MG, Brazil

P68 MULTIDIMENSIONAL OR PHYSICAL FRAILTY: ASSESSMENT OF FRAILTY AMONG MALAYSIAN ELDERS IN AN URBAN PRIMARY CARE SETTING: Sathivasan J1,2, Kamunazaman S3, Hain F1, Ng CW1 1Department of Social and Preventive Medicine, University of Malaya, Kuala Lumpur; 2District Health Office Johor Bahru, Ministry of Health, Malaysia 3Department of Geriatric Medicine, University Malaya Medical Centre, Kuala Lumpur

P69 KINEMATICS ANALYSIS OF GAIT IN SARCOPENIC ELDERLY: FIBRA-RAJ STUDY: Cezarino VDB1, Malini, FM2, Brasil, JIMM3, Sanchez, MA4, Lourenço, RAS5, Lopes, C.S.6 1,2,3,4,5 Gerontilab-Laboratory of Human Ageing - 6 Social Medicine Institute - University of the Estate of Rio de Janeiro, UERJ. Rio de Janeiro, Brazil 6Social Medicine Institute

P70 ASSOCIATION BETWEEN SKELETAL MUSCLE HISTOMORPHOMETRIC INDICES AND BODY COMPOSITION IN MEN WITH AGE-RELATED SARCOPENIA: Mastaviciute A1,2, Anysda Laurinavicius3, Alekna V1, Tamulaitiene M1,2 Institutions: 1 Vilnius University, Faculty of Medicine; 2National Osteoporosis Center, Lithuania; 3Vilnius University, Faculty of Medicine National Center of Pathology; Donatas Petrauskas Vilnius University, Faculty of Medicine National Center of Pathology, Lithuania.

P71 CLINICAL FRAILITY SCORE ASSOCIATED WITH SUBJECTIVE AND OBJECTIVE MEASURES OF PHYSICAL ACTIVITY: McNelly AS1, Rawall J1, Chan P1, Hopkinson N2, Moxham J3 and Harridge SDR4, Hart MG5, Montgomery H1, Puthucheary ZA1 1Institute of Health and Human Performance, University College London, UK 2Royal Brompton Hospital, Imperial College London, UK 3King’s College Hospital NHS Foundation Trust, UK 4Centre of Human and Aerospace Physiological Sciences, King’s College London, UK 5Sax Clinic Clinical Respiratory Physiology Unit, Guy’s and St Thomas’ NHS Foundation Trust, London, UK

P72 SARCOPENIA AND SARCOPENIC OBESITY AMONG MEN AGE 80 YEARS AND OLDER IN BEIJING: PREVALENCE AND IT ASSOCIATION WITH FUNCTIONAL PERFORMANCE: Ping Meng1, Yi-Xin Hu1, Li Fan, 1 Ying Zhang, 1 Man-Xiu Zhang, 1 Jing Sun, 1 Wei Li, 2 Li-Kang-Cheng4, 1Department of health care Nanlou, PLA General Hospital, Beijing, China 2Department of health care, PLA 306 Hospital, Beijing, China 3Aging and Health Research Center, National Yang Ming University, Taipei, Taiwan 4Center for Geriatrics and Gerontology, Taipei Veterans General Hospital, Taiwan

P73 THE IMPACT OF DISTRIBUTION OF PROTEIN AND ENERGY INTAKE ON THE CONTEXT OF THE BERLIN AGING STUDY II (BASE-II): Nikolov 1,2, K. Norman 1, Demuth 1,2, Heinrichs-Thiessen 1,2 Hartshorne 1,2, Eckardt 1,1Cherit’s Research Group on Geriatrics, 2Clinical of Medical and Human Genetics, Cheri-the Universitätsmedizin Berlin, Berlin, Germany

P74 THE IMPLICATIONS OF BODY MASS INDEX (BMI) AND MALNUTRITION UNIVERSAL SCREENING TOOL (MUST) SCORE IN REHABILITATION OUTCOMES: N Nordin1, M Vassallo1, I Poynter1. 1 Medicine for Elderly Department, Royal Bournemouth and Christchurch Hospitals

P75 FRAILTY PREDICTORS AND LENGTH OF STAY FOR GERIATRIC IN-PATIENTS: Nordin N1, Twari D1, Tan M P2 1Royal Bournemouth and Christchurch Hospital 2University Malaya Medical Centre, Kuala Lumpur, Malaysia

P76 DOES DIET QUALITY AFFECT APPENDICULAR SKELETAL MUSCLE MASS? AN INVESTIGATION WITHIN THE BERLIN AGING STUDY II (BASE-II): K. Norman 1, J. Nikolov 1, Demuth 1,2, Heinrichs-Thiessen 1,2 Hartshorne 1,2, Eckardt 1,1Cherit’s Research Group on Geriatrics, 2Clinical of Medical and Human Genetics, Cheri-the Universitätsmedizin Berlin, Berlin, Germany

P77 LIPIDOMIC AND PROTEOMIC STUDIES OF FERTILIZED CHICKEN EGG YOLK: THERAPEUTIC IMPLICATIONS FOR SARCOPENIA: Padleva ND1, Green K2, Leszyk JD2,3, Shaffer KAD2,3, Dianini M1 and Harni R1. 1 Research & Development, MYOS Corporation, 45 Horshill Road, Suite 106, Cedar Knolls, NJ, USA 07927-2. Proteomics and Mass Spectrometry Facility, University of Massachusetts Medical School, 222 Maple Avenue, Shrewsbury, MA, USA 01545.3. Biochemistry and Molecular Pharmacology, University of Massachusetts Medical School, 364 Plantation Street, Worcester, MA, USA

P78 GAIT SPEED AS A PREDICTOR OF REHABILITATION AND FRAILTY SYMPTOMS IN ELDERLY COMMUNITY: Parentoni AN1, Lustosa LP2, Pereira DAG2, Ferreira FO1, Santos KD1, Sá LF1, Mendonça VA1 1Department of Physical Therapy, Universidade dos Valles do Jequitinhonha e Mucuri, Diamantina, MG, Brazil 2Department of Physical Therapy, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil

P79 FRAILTY SYMPTOMS AND SEDATIVE LOAD OF DRUGS: Peskiša J1,2, O’Halloran AM2, Kos M1, Henman MC3, Maidment I4, Kenny RA1,5 1Faculty for Pharmacy, University of Ljubljana, Slovenia, 2The Irish Longitudinal Study on Ageing, Trinity College Dublin, Ireland 3School of Pharmacy and Pharmaceutical Sciences, Trinity College Dublin, Ireland 4School of Life and Health Sciences, Aston University, England, UKS 5Department of Medical Gerontology, Trinity College Dublin, Ireland
P80 THE SIGNIFICANCE OF MEASURING NUTRITIONAL PARAMETERS AND INTRAMUSCULAR ADIPOSE TISSUE IN THE ASSESSMENT OF SARCOPENIA: Penkicas S1, 1 ZNA (ZiekenhuisNetwerk Antwerpen) / Department of Geriatrics, University of Antwerp, Belgium

P81 ATORVASTATIN-INDUCED ACQUIRED MYOPATHY IS WORSENED BY AGING PROCESS IN RAT SKELETAL MUSCLE: Camerino GM, De Bellis M, CanNONE M, Liantonio A, Musaraj K, Conte E, Romano R, Piesco S Section of Pharmacology. Dept. of Pharmacy – Drug Sciences, University of Bari, Italy

P82 EFFECTS OF COMMUNITY LEADERS-LED HEALTH PROMOTING MODEL ON HEALTH PROMOTING BEHAVIORs OF THE ELDERLY: Dourgaia Plamburnooing11. Boromarajonani College of Nursing Yala, Thailand Funded: Praboromarajchanok Institute Health Workforce Thailand

P83 REDUCTIONS IN SINGLE FIBER RATE OF FORCE RE-DEVELOPMENT WITH AGING IS NOT ATTENUATED IN WORLD CLASS OCTOGENARIOAN MASTERS ATHLETES: Power GA1, Minnozo FC2, Fillion ME3, Morais JAA4, Aubertin-Leheudre MS5, Heppe RTA2, Rassier DE2, Taivassalo T3 Human Performance Laboratory, University of Calgary, Calgary, Alberta, Canada; 2The Muscle Physiology and Biophysics Laboratory, Department of Kinesiology, McGill University, Montreal, Quebec, Canada; 3The M3 laboratory, Department of Kinesiology, Mcgill University, Montreal, Quebec, Canada; 4McGill University Health Center, Montreal, Quebec, Canada; 5Dép. de Kinanthropologie, Université du Québec à Montréal, Montreal, Quebec, Canada

P84 SARCOPENIA INCREASES THE RISK OF DISFUNCTION OF TEMPOROMANDIBULAR JOINT: Prashchayeu K1, Ponomareva IP1, Ilitinski AN1,2, Matveev S1 Researching Medical Centre “Gerontology”, Moscow, Russia 2Belarusian Association of Gerontology and Geriatrics, Belarus 3.S.-Petersburg Institute of Bioregulation and Gerontology, Russia

P85 DOES HIP FRACTURE TYPE OR THE METHOD OF SURGICAL REPAIR IMPACT THE LENGTH OF HOSPITAL STAY AND THE ANNUAL RATE OF HOSPITALIZATIONS? Prinastesta P1, Plana E2, Zhu Y3, Tankó LB4, 1Global Clinical Epidemiology, Drug Safety and Epidemiology (DSE), Novartis Pharma AG, Basel, Switzerland; 2Global Clinical Epidemiology, DSE, Novartis Farma S.A., Barcelona, Spain; 3Global Clinical Epidemiology, DSE, Novartis Pharma Co. Ltd., Shanghai, China; 4Development, IHC Franchise, Novartis Pharma AG, Basel, Switzerland

P86 ARE ELDERLY WOMEN WITH LOW BMI AT HIGHER RISK OF UNDERNUTRITION AND FRAILTY? Miyamoto MV2, de Melo CM2, Lima Ribeiro SML1. 1-School of Arts, Sciences and Humanities- University of São Paulo; 2-São Judas Tadeu University- São Paulo- Brazil

P87 INVESTIGATION OF FRAILTY AND DIETARY PATTERNS OF FREE-LIVING ELDERLY INDIVIDUALS: Marques TX1, Ribeiro SML1.1-School of Arts, Sciences and Humanities-University of São Paulo Funding: Institutional scholarship “Ensinar com Pesquisa” - University of São Paulo- Brazil

P88 RELATIONSHIP BETWEEN DIET, ANTHROPOMETRIC AND PHYSICAL ACTIVITY ENERGY EXPENDITURE: FEASIBLE TOOLS TO IDENTIFY FRAILTY IN ELDERLY: Camila M de Melo2, Regina Urashiau2, Angelica M Freitas1,2, Sandra M. Ribeiro1,2. 1-School of Arts, Sciences and Humanities- University of São Paulo (São Paulo-Brazil)- 2-Research Group of Nutrition, Physical Activity and Aging, Funding: Institutional scholarship “Ensinar com Pesquisa” - University of São Paulo- Brazil


P90 ILLNESS REPRESENTATION AND COINGOMBIRONMENT AMONG OLDER THAIS WITH KNEE OSTEOARTHRITIS: A COMPARISON BETWEEN OLDER THAIS LIVING IN RURAL AND URBAN AREAS: Inthira Roopasawang1, M.N.S. (Adult Nursing) Suparab-Aree-U2, Ph.D. (Nursing) 1Instructor, 2 Associate Professor, Ramathibodi School of Nursing, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok, Thailand

P91 THE OXIDATIVE INFLAMMATORY STATUS AND THE POLYMORPHISM OF APOE GENES IN BRAIN AGING: Qingshe Ruan23, Zhuoyi Yu123*, Zhijun Bao23. Jin J12, Jiaofeng Wang2, Cheng Ma23, Haifen Ma23, Ruping Han2, Yonggui Ma1. 1. Department of Geriatrics, Huadong Hospital, Shanghai Medical College, Fudan University. Shanghai 200040, China. 2. Department of Aging, Antiaging and Cognitive Function, Shanghai Institute of Geriatrics and Gerontology, Shanghai 200040, China. 3. Shanghai Key Clinical Central Laboratory of geriatrics, Shanghai 200040, China.


P93 RISK OF FALLS IN ACTIVE AND SEDENTARY AGED WOMEN: Rocha A1, Ferreira E2, Campanari J2, Tavares GM1, Sacc0 MF1,2. 1. Curso de Fisioterapia, Universidade Federal do Pampa, Uruguaiana, Rio Grande do Sul, Brazil. 2. Especializacao em Fisioterapia Geriatrica, Universidade Federal de Sao Carlos, Sao Carlos, Sao Paulo, Brazil.

P94 OCCURRENCE OF DYSMORBID SYNDROME IN ELDERLY AGED 80 YEARS OR MORE: Santos VR1, A, Gobbo LA2, A, Gomes ICS, Batista VC2, A, Cardoso MR2, A, Gonçalves L2, A, Oliveira DG2, Freitas Junior FI1,2, 4 1. Institute of Biosciences, São Paulo State University, Rio Claro, Brazil; 2. Department of Physical Education; São Paulo State University, residente Prudente, Brazil; 3. School of Public Health, São Paulo State University, São Paulo, Brazil; 4. Group of Study and Research in Epidemiology, Aging and Exercise. São Paulo State University, Presidente Prudente, Brazil

P95 SELF-REPORTED KNEE OSTEOARTHRITIS, KNOWLEDGE ABOUT, AND ILLNESS REPRESENTATION OF KNEE OSTEOARTHRITIS AMONG OLDER ADULTS LIVING IN A COMMUNITY: Yuxiadea Roopasawang1, M.N.S. (Community Health Nursing Practitioner) Suparab-Aree-U, Ph.D (Nursing) 1.Instructor; Boromaratchonnani College of Nursing, Nakhon Phanom University, Nakhon Phanom, Thailand; 2Associate Professor Ramathibodi School of Nursing, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok, Thailand

P96 EXPLORING THE RELATIONSHIP BETWEEN FRAILTY AND DISABILITY ACROSS THE NORTH AND SOUTH OF IRELAND: A DATA HARMONISATION STUDY: Scarlett S1, King-Kallimann BL1, Broady J1, Kenny RA1 & O’Connell MDL1. 1.The Irish Longitudinal Study on Ageing, Department of Medical Gerontology, Chemistry Extension Building, Trinity College, Dublin, Ireland.

P97 OVERWEIGHT AND OBESITY ARE ASSOCIATED WITH THE LOWER INITIAL NEUROLOGICAL DEFICIT AND BETTER FUNCTIONAL STATUS IN ACUTE ISCHEMIC STROKE: Nadja Scherbakov1, Michael Knops1, Jochen Freibach1, Andreas Meesel1, Anja Sandek2, Stephan von Haehling2, Stefan D Anker2, and Wolfram Doehner1,2 [1] Center for Stroke Research CSB, Charite University Medical School, Berlin, Germany [2] Applied Cachexia Research, Department of Cardiology, Charite University Medical School, Berlin, Germany

P98 HANDGRIP STRENGTH AS A ROBUST MARKER OF MUSCLE WASTING AND FUNCTIONAL STATUS AFTER ACUTE STROKE: Nadja Scherbakov1, Michael Knops1, Nicole Ebnez2, Miroslava Valen2ova3, Anja Sandek2, Stephan von Haehling2, Michael Joebes3 and Wolfram Doehner1,2 [1] Center for Stroke Research CSB, Charite University Medical School, Berlin, Germany [2] Applied Cachexia Research, Department of Cardiology, Charite University Medical School, Berlin, Germany [3] Department of Neurology, Brandenburgklinik Bemaun, Germany

P99 EFFICACY OF THE MINI-NUTRITIONAL ASSESSMENT AND THE MNA SHORT FORM IN IDENTIFYING SARCOPENIA IN ELDERLY ASSISTED AT PRIMARY HEALTHCARE SYSTEM: Schwankel CHA1, Closs VE, 1 Rosenberg LS1,1 Eitrich BG2, Rasa R0,1 Deen R1,1 Galdino TP1, Gomes L1 Institutions: 1Biomedical Gerontology Graduate Program of the Institute of Geriatrics and Gerontology – Pontificial Catholic University of Rio Grande do Sul (IIGG-PUCRS). 2Federal University of Rio Grande do Sul (UFRGS). 3Instituto de Pesquisas, Ensino e Gestão em Saúde (IPG S) Brazil

P100 FUNCTIONAL STATUS AND CO-MORBIDITIES OF OLDER PATIENTS WITH CANCER: Sharma
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**FRAILTY AS A CONSEQUENCE OF THE METABOLIC SYNDROME (CASE STUDY OF THE DIABETES MELLITUS TYPE 2):** Prashchayeu K1, Ilnitski AN1,3, Pozdnyakov NM1,2, Pavlova TV2, Bazhuk VV2 1Researching Medical Centre “Gerontology”, Moscow, Russia 2Belgorod National Research University, Belgorod, Russia 3Belarusian Association of Gerontology and Geriatry, Belarus

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**HEART RATE COMPLEXITY DOES NOT CHANGE IN FRALTY SYNDROME:** Takahashi ACM1, Bonjami LA1, Buto MS51, Carmelo VBV1, Roferto SAA2, Porta A2, Costa AM1, 1 Department of Physotherapy, Federal University of São Carlos, São Carlos, Brazil 2 Department of Physiotherapy, University Center of Araquara UNIARA, Araquara, Brazil 2 Department of Technologies for Health, Galeazzi Orthopaedic Institute, University of Milan, Milan, Italy

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**ANTHROPOMETRIC DESCRIPTION AND ITS CORRELATION WITH HANDGRIP STRENGTH IN OLDER PEOPLE BRAZILIANS:** tavares gms 1,2, manfredini v1, gullich aac1, tio m1, piccoli pec1,2, school pp1, mezzomo j1, gottlieb mgv1. 1) center for studies and research on aging, federal university of pampa, adress: br 472 - km 592 - mailbox 118 urguaianga, rs-brazil. ZIPCODE: 97000-970. 2) Post Graduate Program of Biomedical Gerontology, Geriatrics and Gerontology Institute, Pontifical Catholic University of Rio Grande do Sul. Address: ipiranga Avenue, 6690, 3rd floor, São Lucas Hospital. Porto Alegre, RS-Brazil. ZIPCODE: 90610-000.

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**OCURRENCE OF SARCOPENIA IN OLDER ADULTS LIVING IN RETIREMENT COMMUNITY:** Prashchayeu K1, Ilnitski AN

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**SARCOPENIC OBESITY IN BRAZILIAN OLDER ADULTS DIFFERENT COHORT: SABLE SURVEY - HEALTH, WELL-BEING AND AGING:** Ferreira LS, Roodiege MFA, Bueno D, Gobbo L Duarte YAO LebraoML, Marucci MN University of São Paulo, Brazil, Baltazar SV, Krivtsunov AN, Volkov DV, Sultanaiova S54 1Researching Medical Centre “Gerontology”, Moscow, Russia 2Belgorod National Research University, Belgorod, Russia 3Belarusian Association of Gerontology and Geriatry, Belarus 4S-Petersburg Institute of Bioregulation and Gerontology, St. Petersburg, Russia

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**CASE STUDY OF DRUG-FOOD INTERACTIONS AS A BASIC TO INTERVENTION PROGRAM OF REDUCE UNWANTED INTERACTIONS AND POLYPHARMACY:** Friedman O, (1).1 Bait ba Ltd., Jerusalem, Israel

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**SARCOPENIA RESEARCH ON MUSCLE CELLS USING AN IN VITRO CELL CULTURE MODEL:** Heber, A., de la Haya, H., Pyka, A., Stöver, K, Brinkmann, C, Bloch, W, Eichberg S,2, Brüssow, K, German Sport University Cologne, Germany

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**DEVELOPMENT AND VALIDATION OF NEW CRITERIA OF FRALTY IN JAPANESE ELDERLY POPULATION: A PRELIMINARY REPORT:** P Chatterjee 1, R Kundal 1, G Desa1, VG Chellayyan 2, A Biswas 3, A B Day 1. Department of Geriatric Medicine, All India Institute of Medical Sciences, New Delhi 2. Vardhaman Mahavir Medical College & Safdarjung Hospital 3. Indian Statistical Institute, Chennai, India

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**CORRELATION BETWEEN BODY COMPOSITION AND SARCOPENIA IN OLDER ADULTS WITH HIP FRACTURE:** Martone AM, Marzetti E, Vetrano DL, Bernabei R, Landi F, Department of Geriatrics, Neurosciences and Orthopedics, Catholic University of the Sacred Heart, Rome, Italy

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**CONSTRUCTION INFORMATION SHEET ON A DIET LOW IN IODINE BEFORE RADIOACTIVE IODINE THERAPY:**

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**MUSCLE MASS, MUSCLE STRENGTH AND PHYSICAL PERFORMANCE IN OUTPATIENT OLDER ADULTS WITH DIFFERENT FRALTY STATUS:** Chen TC1, Chen CY2, Hu MHL, J1 1 School and Graduate Institute of Physical Therapy, National Taiwan University College of Medicine, Taipei, Taiwan; 2. Department of Family Medicine, National Taiwan University College of Medicine and National Taiwan University College of Nursing, Taipei, Taiwan; 3. Department of Physical Medicine and Rehabilitation, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

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**CLINICAL APPLICATION OF THE KIHON CHECKLIST TO PREDICT FRALTY AND SARCOPENIA IN JAPANESE ELDER OUTPATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE:** Sendoa K, Satake S, Kondo Y, Tokuda H, Nishiwaka M, Miura M, Endo H and Toba K National Center for Geriatrics and Gerontology, Obu, Japan

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**THE RELATIONSHIP BETWEEN SARCOPENIA AND AREA BONE MINERAL DENSITY IN MEN AGE 80 YEARS AND OLDER IN BEIJING:** Y-Xin Hu, 1 Ping Meng, 1 Li Fan, 1 Ying Zhang, 1 Man-Xiu Zhang, 1 Jing Sun, 1 Mei Li, 1 Li-Kang Chen, 2 Institutions 1Department of health care Nanluo, PLA general hospital, Beijing, China 2Department of health care PLA 306 Hospital, Beijing, China 3Comparative and Human Geriatric Research Center National Yong Ming University Hospital, Beijing, Taiwan 4Center for Geriatrics and Gerontology, Taipei Veterans General Hospital, Taiwan

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**BODI COMPOSITION AND PHYSICAL FUNCTION IN HEALTHY COMMUNITY-DWELLING OLDER ADULTS IN SWEDEN, A CROSS-SECTIONAL STUDY:** Lindbäck A1, Dahlin-Ivanoff S2, Bosaeus I1 1 Department of Internal Medicine and Clinical Nutrition at Sahlgrenska Academy, Göteborg University 2 Department of Clinical Neuroscience and Rehabilitation at Sahlgrenska Academy, Gothenburg University

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**SKELETAL MUSCLE FUSION DEFICIT: A NEW TERMINOLOGY TO EMBRACE SARCOPENIA:** Correa-de-Araujo, R National Institute on Aging, National Institutes of Health, U.S. Department of Health and Human Services, Bethesda, Maryland, USA

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**WHAT THE ASSOCIATION BETWEEN SARCOPENIA AND SARCOPENIC OBESITY WITH DIABETES MELLITUS IN THE OLDER ADULTS?** Roediger MA1,7, Marucci FN2,7, Bueno DR1,7, Ferreira LS1,7, Gobbo LA4,7, Duarte YA05,6,7, Lebolo ML6,7 1Postgraduate student, University of São Paulo, São Paulo, Brazil 2 Department of Nutrition, University of São Paulo, São Paulo, Brazil 3 School of Nutrition, Federal University of Rio de Janeiro State, Rio de Janeiro, Brazil 4 Department of Physical Education, São Paulo State University, Presidente Prudente, 5 School of Nursing, University of São Paulo, São Paulo, Brazil 6 Department of Epidemiology, University of São Paulo, São Paulo, Brazil 7SABE Survey. Health, Well-being and Aging.

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**DETERMINANTS OF FRALTY IN OLD AGE:** Duarte M1, 2 Paul C1 Research and Education Unit on Aging – UNIFAI/ Institute of Medical Sciences Avel Salazar – KBAS - University of Porto, Porto, Portugal 2 Superior School of Health of Alto Ave (ISAVE), Póvoa de Lanhoso, Braga, Portugal

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**EARLY DETECTION OF COGNITIVE IMPAIRMENT IN FRALTY ELDERLY USING FNIRS SIGNALS:** Hidetoshi Endo1, Shouuke Satake1, Izai Hor1, Kenji Toba1, Shouhei Kato2 National Center for geriatrics and Gerontology1 Nagoya University Technology,2 Japan

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**STRENGTH TRAINING AT HIGH VERSUS LOW External RESISTANCE IN OLDER ADULTS: LONG-TERM MUSCULAR ADAPTATIONS AND EXERCISE ADHERENCE:** Evelien Van Roie1,2, Ivan Baumans3, Walter Coudery, Filip Boen1, Christophe Delecluse1 1Physical Activity, Sports and Health Research Group, Department of Kinesiology, Faculty of Kinesiology and Rehabilitation Sciences, KU Leuven, Belgium. 2Ph.D. Fellow of Research Foundation Flanders, Belgium. 3Gerontology Department and Frailty in Ageing Research Group, Vrije Universiteit Brussel, Belgium. 4Radiology Section, Department of Morphology and Medical Imaging, Faculty of Medicine, KU Leuven, Belgium.
P146 MULTIVARIATE ANALYSES OF ROTATOR CUFF MUSCLE LOSS IN THE SHOULDER: Jan Ferdinand Henseler1, Yotam Raz1, Jochem Nagels1, Erik W. van Zwer1 Vereal Raz1, Rob G.H.H. Nelissen1 1Leiden University Medical Center, Leiden, the Netherlands.

P147 DEFINING NORMATIVE VALUES FOR HAND GRIP STRENGTH AMONG OLDER SINGAPOREANS: A QUANTILE REGRESSION-BASED APPROACH: Huang SS1, aloha R1, Allen IC2, Tan NCS3, Chan A1, Obstey Y1, Saito Y4 1. Program in Health Services and Systems Research, Duke-NUS Graduate Medical School, Singapore; 2. Centre for Quantitative Medicine, Duke-NUS Graduate Medical School, Singapore; 3. Family Medicine Research, SingHealth Polyclinics, Singapore; 4. Advanced Research Institute for the Sciences and humanities, Nihon University, Japan.

P148 SCREENING OF FRAILTY IN THE OLDER PATIENTS AFTER SURGERY: B.itsuki A1, Prashchayee KI 1,2, Gorelik SG 2, Bogat SV 3, Volkov DV 3, Sultanova SS 4 Belorussian association of Gerontology and Geriatrics, Belarus 2Institute of Postgraduate Education of Federal Medical and Biological Agency of Russian Federation, Moscow, Russia; 3. Belorussian State National Research University, Belgorod, Russia; 4. St.Petersburg Institute of Bioregulation and Gerontology, St. Petersburg, Russia

P149 STATE OF BONE, FAT AND MUSCLE TISSUE IN MEN WITH RHEUMATOID ARTHRITIS: Shustak NA, Kondrazhov AA, Muradyants AA, Shemenkova VS Department of faculty therapy named after acad. A.I. Nesterov, Russian National Research Medical University named after N.I. Pirogov, Moscow, Russian Federation

P150 SARCOPENIA AND SARCOPENIC OBESITY IN POLYMYELITIS PATIENTS: Joong Hoon Lee, Jae-Young Lim Department of rehabilitation, Seoul national university, Seoul national university Bundang Hospital, Korea

P151 MUSCLE STRENGTH MEASURED BY JUMPING MECHANOGRAPHY IS ASSOCIATED WITH BONE MINERAL DENSITY OF HIP IN HEALTHY ELDERLY WOMEN: Lee Y1, Song BM2, Lee SW2, Choi HS2, Kim CO1, Kim HK2, Youm Y3, Rhee Y1 1. Department of Internal Medicine, Yonsei University College of Medicine, Seoul, Korea; 2. Department of Preventive Medicine, Yonsei University College of Medicine, Seoul, Korea; 3. Department of Sociology, Yonsei University, Seoul, Korea

P152 THE DIFFERENCE OF APOPTOTIC RESPONSES IN DERENIVATED MUSCLE ATROPHY OF AGING RAT SKELETAL MUSCLES: Ganggyo LEE, MD, Jae-Yeong Lim, MD, PhD Department of Rehabilitation Medicine, Mechanics & Molecular Myology Lab, Seoul National University College of Medicine Seoul National University Bundang Hospital, Korea


P154 ASSESSMENT OF SARCOPENIA IN COMMUNITY-DEWLLING OLDER PEOPLE: EVALUATION OF THE EWGSOP CONSENSUS DEFINITION CRITERIA: Mijnarends M1, Halfens RGJ1, Meijers JMMA1, Luking YC2, Verlaak SZ, Schols JMGA1,3 1, 2. 3. Department of Health Research Services, School CAPHRI, Maastricht University, Maastricht, The Netherlands Nutricia Research, Utrecht, The Netherlands Department of Family Medicine, School CAPHRI, Maastricht University, Maastricht, The Netherlands

P155 RELATIONSHIP OF FRAILTY, DISABILITY AND MORTALITY: EVIDENCE OF SABLE STUDY (ACRONYM FOR HEALTH, WELFARE AND AGING): Nunes DP1, Britto RP1, LP Corrêa2, Duarte YAO1,2, Leblond ML2, School of Nursing. University of São Paulo, São Paulo, São Paulo; 2. School of Public Health. University of São Paulo, São Paulo, Brazil

P156 OXIDATIVE DNA DAMAGE AND MTDNA DELETIONS IN COPD PATIENT MUSCLE: EVIDENCE OF ACCELERATED AGING: Y. Konakova1, S. Sperduti1, J. Jagoe2, S. Kapchinsky1, R.T. Hepple1,2, T. Taivassalo1. 1. Department of Kinesiology, McGill University; 2. Departments of Oncology and Medicine, McGill University, 3. McGill University Health Center, Canada

P157 AGE-REGULATED TRENDS SIGNIFICANTLY DIFFER BETWEEN MUSCLES IN THE SHOULDER: Raz Y1, Henseler JF1, Nagels J1, van der Zwaal P2, Nelissen RGH1, Raz V 1, Leiden University Medical Center, The Netherlands 2. Medical Center Haaglanden, The Hague, The Netherlands

P158 A NOVEL FEED-FORWARD LOOP BETWEEN PROTEIN HOMEOSTASIS AND RNA METABOLISM REGULATES MUSCLE AGING: Rene Schols Department of Human Genetics, University Medical Center, Leiden, The Netherlands

P159 FASTING GHR ELIN LEVELS ARE RELATED WITH SARCOPENIA IN ELDERLY SUBJECTS: M Serra-Prat, M Papilo, R Monteils, E Palomera, M Roca, E Mans.

P160 POSITIVE ASSOCIATION BETWEEN COGNITIVE FUNCTION AND INDICES OF FITNESS IN THE VERY OLD: LESSONS FROM THE ELITE MASTERS ATHLETE: Taran, S1, Fillion, M-E1, MacMillan, N1, Sabiston, C.M.2, Hepple, R.T.1, and Taivassalo, T.1 1. Department of Kinesiology and Physical Education, McGill University, 2. Faculty of Kinesiology and Physical Education, University of Toronto, Canada

P161 EFFECTS OF A MULTICOMPONENT EXERCISE PROGRAMME ON PHYSICAL AND COGNITIVE FUNCTIONS OF INSTITUTIONALISED PATIENTS WITH ALZHEIMER’S DISEASE: S. Sampaio, E. Marques, J. Carvalho, J. Mota (Porto, Portugal)

P162 POSITIVE EFFECT OF ENDURANCE EXERCISE COMBINED WITH IGF-1 TREATMENT ON ANABOLIC AND CATABOLIC MEDIATORS INVOLVED IN AGE-RELATED MUSCLE ATROPHY: M. Mosauer Ziaaldini, Z.S. Radak (Budapest, Hungary).

P163 IMPROVEMENT OF ADL AND WALKING DISTANCE USING COMBINATION UPPER AND LOWER EXTREMITY EXERCISE FOR ELDERLY WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE: Imma Kamawati1, Imma Rusliha Delf1, Emmy Hernayadi Pranggoni1 1Institutions: 1.Department of Physical Medicine and Rehabilitation, Faculty of Medicine, Universitas Padjadjaran-Dr. Hasan Sadikin General Hospital, Bandung, INDONESIA; 2. Department of Internal Medicine, Faculty of Medicine, Universitas Padjadjaran-Dr. Hasan Sadikin General Hospital, Bandung, INDONESIA.

P164 AN OPERATIONAL FRAMEWORK FOR HEALTHY AGEING: Boylan J1, Doctorete Public Health Candidate, Flinders University of South Australia, Australia

P165 CHONIC APHELIN SUPPLY REVERSES AGED-INDUCED SKELETAL MUSCLE DYSFUNCTIONS IN MICE: Vinel C 1,2, Deneuville E 1,2, Sattat A 1,2, Caezari M 3, Guyennet S 3, Veillas B 3, Volet P 1,2, Dry C 1,2, 1 UMR Unit 1048 Issy in, Institut des Maladies Métaboliques et Cardiovasculaires, Toulouse, France 2 University Paul Sabatier, Toulouse 3, France 3 Gerontopole Toulouse, Toulouse University Hospital, Toulouse, France

P166 MUSCLE MASS HANDGRIP STRENGTH AND ASSOCIATED FACTORS IN CHINESE ELDERLY POPULATION: Jianqin Sun, Huijing Bai, Min Chen, Hua Xie, Danfeng Xu, Yan Wang Clinical nutrition center Huaonng Hospital, Fudan University,Shanghai, China

P167 IMPACT OF NUTRITIONAL SUPPLEMENTATION AND NORDIC WALKING IN FRAIL OLDER PATIENTS: A PRELIMINARY REPORT: H Singh1, Meenakshi Tiya1, P Kumar1, R Kandali1, P Chatterjee1, K Singh2, Alka Mohan2, AB Day3 1. All India Institute of Medical Sciences, New-Delhi, India.1.Department of Geriatric Medicine; 2. Department of Biostatistics and 3. Department of Dietetics, India

P168 PREDIABETES IN THE OLDEST OLD: THE OCTABAIX-STUDY: Assumppta Ferrer1, Francesc Formiga 2, Glòria Padrós 3, Oriol Carrilla 4, Octabaix Institutions: 1 Primary Healthcare Center, CAP El Pla 1, Sant Feliu de Llobregat, Barcelona, Spain. 2. Geriatric Unit, Internal Medicine Service, Hospital Universitari Bellvitge, Barcelona, Spain. 3. Bellvitge Biomedical Research Institute, IDIBELL, Barcelona, Spain. 3. Clinical Laboratory I.Hospitalit-Cornella, de Llobregat, Barcelona, Spain. 4. Support Unit Research for Primary Care, Costa Ponent. IDIBELL, Barcelona, Spain. CIBER Epidemiologia i Salut Pública, Spain

P169 SEROLOGICAL PEPTIDE BIOMARKERS DERIVED FROM INTRAMUSCULAR CONNECTIVE TISSUE COLLAGENS ARE BIOMARKERS OF MUSCLE MASS: A. Nedergaard1,2, U. Dalgaard, H Prindahl1, J Johanssen5, J. Overgaard7, K. Overgaard5, K. Henriksen1, S. Lamborg1,7,1,2, Copenhagen, Denmark; 3. 4.7, Aarhus, Denmark; 5. Odense, Denmark; 6. Denmark)
P170 Efficacy of low-magnitude high-frequency vibration treatment on preventing muscle loss in community elderly: LL, CV; Leung, KS; Cheung, WH Department of Orthopaedics and Traumatology, The Chinese University of Hong Kong

P171 Adiposity, sedentary behavior, and activity as predictors of diabetes in older adults: Peterson MD1, Serin JA2, Al-Soh S3 1Department of Physical Medicine and Rehabilitation, University of Michigan, Ann Arbor MI 2Department of Geriatrics, University Hospital Gregorio Marañón, Complutense University, Madrid, Spain 3CIBER de Rehabilitación

P172 Predictive value of the existing cutoff point of gait speed for fall in next year: is it effective among male aged 80 years and older? Chien Kuang Lang1*, Miing Yueh CHOU1, Mei-Chen Liao2, Yu Te UN3, Liang-Kuang CHEN3, Hui-Young LOM 1Geriatric Medicine Center, Kaohsiung Veterans General Hospital, Aging and Health Research Center, Institute of Environmental and Occupational Health Sciences, National Yang-Ming University, Taiwan 2Geriatric Medicine Center and Department of Family Medicine, Kaohsiung Veterans General Hospital, Aging and Health Research Center and Institute of Public Health, Yang Ming University, Taiwan 3Geriatric Medicine Center and Department of Emergency Medicine, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan 4Geriatric Medicine Center and Division of Neuroradiology, Kaohsiung Veterans General Hospital, Taiwan 5Center for Geriatrics and Gerontology, Tapture Veterans General Hospital, Aging and Health Research Centre, Institute of Health Welfare and Policy, National Yang Ming University, Taiwan

P173 Nutrient-rich dairy proteins attenuate the loss of skeletal muscle and functional capacity in older subjects: a double-blind randomized controlled trial: Alemán-Mateo H1, Ramirez-Careán V1, Macías-Murillo L1, Astiazaran-García H1, Gallegos-Aguilar AC1, Ramos-Enriquez JR2 1Departamento de Nutrición, Universidad de Alcalá, Madrid, Spain 2Servicio de Geriatría, Hospital Universitario 12 de Octubre, Madrid, Spain 3Equipo NUTRIM, Instituto de investigación Sanitaria de Castilla-La Mancha, Spain

P174 Melatonin treatment downregulates autophagy in the liver of Ob/Ob mice: Lusax-Delgado B1, Caballero B1, Potes Y1, Rubio-González A1, Rodríguez JL2, Gutiérrez Rodríguez J2, Solano J2, Coto-Montes A1 1Department of MORPHOLOGY AND CELLULAR BIOLOGY, Faculty of MEDICINE, University of Oviedo, 33006, Oviedo, Spain 2Geriatrics Service, MONTE NARANCO Hospital, 33012, Oviedo, Spain.

P175 Comparison of two clinical models of immobilization on muscle mass outcomes in healthy adults: Bed rest vs. limb-casting: Tian M1, Pereira SL1. 1Abbott Nutrition, Columbus, OH 43219, USA

P176 Effect of combined exercise training on sarcopenia in Chinese older people - a randomized controlled trial: Cao L1, Jiang J2, Yu Y1, Yue JR1, Yang A1, Chen SP1, Ren XD1, Dong BR1. 1Institutions: 1. Center of Gerontology and Geriatrics, West China Hospital, Sichuan University, Chengdu City, China; 2. Center of Rehabilitation Medicine, West China Hospital, Sichuan University, Chengdu City, China; 3. Chengdu first social welfare institute, Chengdu City, China. Funding: The present study is supported by Cades health care committee of Sichuan Province Health Department, China

P177 frailty among Mexican community-dwelling elderly: A story told 11 years later. Mexican health and aging study: Sara G. Aguilar-Nava, MD, MSc (1) Hélène Amélie, PhD (2) Luis Miguel Gutiérrez-Robledo (3) and José Alberto Añu-Funes, MD, PhD (1), (2), Mexico

P178 Functional changes during hospitalization in older patients admitted to an acute care ward: results from the crime study: De Buyser S1, Petrovic M1, Taes YE2, Vetrano DL3, Corsonello A4, Volpato S5, Onder G6, 1Department of Geriatrics, Ghent University Hospital, Ghent, Belgium; 2Department of Endocrinology, Ghent University Hospital, Ghent, Belgium; 3Centro Medica dell’Innechiamiento, Universita’ Cattolica del Sacro Cuore, Rome, Italy; 4Unit of Geriatric-pharmacology-epidemiology, IRCSS - Italian National Research Centre on Aging, Cosenza, Italy 5Department of Medical Sciences, University of Ferrara, Ferrara, Italy

P179 Longitudinal analysis of the relationship between physical function and mortality in ambulatory older men: De Buyser S1, Petrovic M1, Taes YE2, Toye KR2, Kaufman JM2, Goemaere S1 1. Department of Geriatrics, Ghent University Hospital, Ghent, Belgium; 2. Department of Endocrinology and Unit for Osteoporosis and Metabolic Bone Diseases, Ghent University Hospital, Ghent, Belgium.

P180 The cognitive impairment of frail elderly in nursing homes of urban Jakarta, Indonesia: Handajani YT1, Turana V1 1 Department of Public Health, Faculty of Medicine of Atmajaya Catholic University 2Department of Neurology, Faculty of Medicine of Atmajaya Catholic University, Indonesia

P181 sarcopenia and hospitalization costs: Antunes AC1,2, Verissimo MT1, Amaral TF3,4 1Faculdade de Medicina, Universidade de Coimbra, Portugal 2Centro Hospitalar da Póvoa e Vila do Conde; 3Portugal 3Faculdade de Ciências da Nutrição e Alimentação, Universidade do Porto, Portugal 4IPUSA-IDMEC, Faculdade de Engenharia, Universidade do Porto, Portugal

P182 Wheat protein enzymatically hydrolysate supplementation during exercise training prevents a decrease in muscle mass in middle aged and elderly individuals: Yamashita J1,2, Shimizu Y1,3, Yahata N1,3 1Graduate School of Human Health Sciences, Tokyo Metropolitan University, JAPAN 2Future Institute for Sport Sciences, JAPAN 3Health care research center, R&D division, NishiPharma Inc, JAPAN

P183 Design and baseline results of a nutritional intervention study in the field of frailty and sarcopenia: Verlaan S1, Wijers, SL1,1, Bauer, JM2, Cederholm T3, Szlub C.C4, for the PROVIDE study group. 1. Nutricia Research, Utrecht, The Netherlands; 2. Geriatric Centre Oldenburg, Oldenburg, Germany; 3. Uppsala University Uppsala, Sweden. 4. Friedrich-Alexander-University Erlangen-Nürnberg, Nürnberg, Germany

P184 Is mouse an appropriate model for sarcopenic obesity? Guelzin N1, Chauumontet C1, Azzout D1, Foucaut AS1, Doh W1, Fromentin G1, Torné D1, Gaudichon C1 1INRA-AgroParisTech, Physiologie of nutrition and ingestive behavior Unit, Paris, France 2Institut Biophytis, Romainville, France

P185 Sarcopenic obesity drug candidate identification through a screening cascade in C2C12 MYOBLAST cell line: Raynal S1,2, Autier V2, Ben Massoud S1,2, Doh W1, Durand Jd2, Lepille F2, Lafont R1,3, Veillet S1 1Biophytis, PARC BIOITECH, Route de Noisy, 102 avenue Gaston Roussel, 93230 Romainville France. 2Institut de Myologie, Sorbonne Université, UPMC, Paris, France. 3Future Institute for Sport Sciences. 1INRA-AgroParisTech, UMR PNCA, Paris, France. 5Laboratoire de Thérapie des maladies du muscle strié. Institut de Myologie, Sorbonne Université, UPMC, Paris, France. 6UMR PNCA, INSA, Unité Nutrition, UPMC UMR U1166, Unité Nutrition, Sorbonne Université, Paris, France

P186 2-Hydroxyxycetone increases android fat mass loss with no significant effect on muscle mass loss during a weight loss program in obese and overweight subjects: Foucault a1, Doh W1, Lafont R1, Veillet S1, Tomé G1, Sujiwono M1, Rubal I, Pozo V4, Cassel A1 1Institut biophytis, PARC BIOITECH, Route de Noisy, 102 avenue Gaston Roussel, 93230 Romainville France. 2Institut de Myologie, Sorbonne Université, UPMC, Paris, France. 3Laboratoire de BioSPE, Paris, France. 4INRA-AgroParisTech, UMR PNCA, Paris, France. 5Laboratoire de Thérapie des maladies du muscle strié. Institut de Myologie, Sorbonne Université, UPMC, Paris, France. 6UMR PNCA, INSA, Unité Nutrition, UPMC UMR U1166, Unité Nutrition, Sorbonne Université, Paris, France

P187 Changes of angiogenic factors and proliferative of dermal fibroblasts during ontogenesis: Vasilea OI, Golubtsova NN, Petrov VV, Gurin AG

P188 acute effects of antagonist stretching exercise on the joint flexibility and balance ability in the elderly people: Tsaki1, K Tsui2, Tikanharja2, Tsikas1 1Graduate Student, Graduate School of Sports and Health Science, Ritsumeikan University, Shiga Japan 2Faculty of Sports and Health Science, Ritsumeikan University, Shiga Japan

P189 frailty in an elderly non-hospitalized population from Iași, Romania: Oanațiu R1, Căluca ă I2, ALEXA G3, Dronu A4, Cepoi V5, Alexa ID 1 Corresponding author: Ramona Oanațiu 1Geriatric Medicine Department, “Dr.C.I.Pahon” Hospital, Iași, Romania 2Internal Medicine Department, “Dr.C.I.Pahon” Hospital, Iași, Romania 3University of Medicine and Pharmacy “G. T. Popa”, Iași, Romania 4Patentia Association, Iași, Romania 5The Government of Romania
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P191 NUTRITIONAL STATUS IN PATIENTS WITH DIABETES MELLITUS: Aleuza ID1,3, Panaghiu L1, Crăcanu I2, Onuțu R1, Ilie A1,3, Moroșanu A1,3. Corresponding author: Irina Crăcanu2 6. Geriatric Medicine Department, “Dr. C.I. Parhon” Hospital, Iași, Romania 7. Internal Medicine Department, “Dr. C.I. Parhon” Hospital, Iași, Romania 8. University of Medicine and Pharmacy “Gr. T. Popa”, Iași, Romania

P192 THE RELATIONSHIP BETWEEN NUTRITIONAL STATUS AND FRAILTY SYNDROME IN ELDERLY PATIENTS ADMITTED IN THE ACUTE GERIATRIC CARE CLINIC IN IASI, ROMANIA: Crăcanu I1, Onuțu R2, Gavrilović G3, Prada G4 Aleuza ID2,5. Corresponding author: Iona Dana Aleuza 1. Internal Medicine Department, “Dr. C.I. Parhon” Hospital, Iași, Romania 2. Geriatric Medicine Department, “Dr. C.I. Parhon” Hospital, Iași, Romania 3. Psychology Department, “Al. I. Cuza” University, Iași, Romania 4. University of Medicine and Pharmacy “Carol Davila”, Bucharest, Romania 5. University of Medicine and Pharmacy “Gr. T. Popa”, Iași, Romania


P195 THE EVALUATION OF DRUG APPROPRIACY USING STOPP/START CRITERIA FOR ELDERLY OUT PATIENTS AT A UNIVERSITY HOSPITAL IN SEOUL: Authors: SY Kim, JY Ahn, CWH Won, YJ Choi. Institutions: Department of Family Medicine, Kyung Hee University Medical Center, Seoul, Korea

P196 RELATIONSHIP BETWEEN FRAILLY AND COGNITIVE DECLINE IN ELDERLY KOREANS: YJ Choi1, SY Jeon1, CWH Won1, SY Kim1. 1. Department of Family Medicine, Kyung Hee University Medical Center, Seoul, Korea

P197 PHYSICAL PERFORMANCE AND ITS ASSOCIATION WITH PLASMA LEVELS OF VITAMIN D IN CHILEAN OLDER PEOPLE: Hugo Sánchez1, Bárbara Angel1, Lydia Lora1, Carlos Márquez2 and Cecilia Albalá1. Public Nutrition and Aging Healthy Unit, Nutrition and Food Technology. University of Chile

P198 BODY COMPOSITION AND ENERGY EXPENDITURE IN DUCHENNE MUSCULAR DYSTROPHY (DMD) PATIENTS: COULD IT BE A MODEL FOR SARCOPENIA IN AGING?: Bertoni L1, Ruggero E1, Sarti S1, Bello L2, Barla A2, Poggoran E2, Sergi G1. 1. Department of Medicine, Geriatric Division; 2. Neuromuscular Center, Department of Neurosciences NPSR - University of Padua, Italy


P201 COMPARISON OF CLASS-STYLE SUPERVISED INTERVENTION VERSUS HOME-BASED UNSUPERVISED INTERVENTION IN PREVENTING SARCOPENIA: Vlastanabe Y, Yamada Y, Yoshida T, Yokoyama K, Miyake M, Yamagata E, Kimura M


P203 FRAILTY: COMMON END POINT, DIFFERENT PATHWAYS: Jacobs JM1, Ruttera D2, 3. Guerra RS2, 3. Fonseca I4, 4. Pichel F4, 5. Anamal TF3. 1. The Institute for Ageing Research, Department of Geriatrics and Rehabilitation, 2. Sharit Institute of Oncology, Hadassah-Hebrew University Medical Center, and the Hebrew University-Hadassah Medical School, Jerusalem, Israel.


P205 PATTERNS OF CIRCULATING INFLAMMATORY CYTOKINES IN COMMUNITY-LIVING OLDER PERSONS WITH HIGH AND LOW PHYSICAL PERFORMANCE: Ricardo Calvani, PhD1 Francisco Landi, MD, PhD2 Davide L, Vetrano, MD2 Anna Maria Martino, MD2 Federica Marini, PhD3 Christian Lussuwerion, PhD4 Roberto Bernabei, MD2 5. Emanuele Marzetti, MD, PhD 2. Institute of Crystallography, National Research Council (CNR), Bari, Italy 6. Department of Geriatrics, Neuroscience and Orthopedics, Catholic University of the Sacred Heart, Rome, Italy 3. Department of Chemistry, “Sapienza” University of Rome. Rome, Italy 4. Department of Aging and Geriatrics, University of Florida, Gainesville FL, USA

P206 FUNCTIONAL DECLINE ONE YEAR AFTER A HIP FRACTURE IN ELDERLY OVER 75 YEARS: Drevet S1, Chedid Romu B2, Bieuvoet C1, Massione S1, Tonetti L2, Gasuzzi G1. 1. University Clinic of Geriatric Medicine, Grenoble, France. 2. University Clinic of Orthopedic and Traumatology, Grenoble, France

P207 PREVALENCE OF SARCOPENIA IN ANDALUSIAN PATIENTS IMMEDIATELY AFTER A HIP FRACTURE: Monfort MA1(a), Giner MB1(b), Vázquez MA1(a), Pérez-Cano R1(b), a Medicine Department, University of Seville (b) Bone Metabolism Unit; Department of Internal Medicine, “Virgen Macarena” University Hospital, Seville, Spain

P208 NUTRITIONAL STATUS AND PHYSICAL PERFORMANCE OF UNIVERSITY OF THE THIRD AGE STUDENTS FROM MALOPOLSKA REGION (POLAND) – PRELIMINARY RESULTS: Pórecka B1, D. Twardzik1, Jagielski P1. 1. Human Nutrition Department, Faculty of Health Sciences, Jagiellonian University Medical College, Kraków, Poland

P209 IS GLUTAMINE A LIMITING FACTOR OF SARCOPENIA IN VERY OLD INDIVIDUALS?: Dominique MEYNAL-DENIS From the INRA, UMR 1019, UNIH, CNRS-Auvergne, 63000 Clermont-Ferrand, France

P210 IS THE GOTO-KAKIZAKI (GK) RAT A SUITABLE MODEL OF SARCOPENIC OBESITY?: Mouaoua Y, Raynal S, Ben Massoud S, Audet a, Kergast m Metabrin Research. 4, avenue du Président François Mitterand, 91380 Chilly-Mazarin, France.

P211 FRAILTY SYNDROME AS A PREDICTIVE FACTOR OF LATE COMPLICATIONS IN SURGICAL PATIENTS ADMINISTERED FOR ELECTIVE SURGERY: P.Matas 1, K. Zuchowska1 ,M. Matuszek 1A, M. Szpetnar 2, I. Furmaga1, K. Wójtowicza 1, S. Rudzi 1 1st Chair and Department of General Surgery, Transplantation and Clinical Nutrition, ,

P213 PREVALENCE OF SARCOPENIA AMONG COMMUNITY OLDER ADULTS IN PORTUGAL: Bernardo SS 1,2, Amaral TF 1,3 1 Faculdade de Ciências da Nutrição e Alimentação, Universidade do Porto, Porto, Portugal 2 Centro de Saúde de Paços de Ferreira, Portugal 3 UISPA-IDMEC, Faculdade de Engenharia, Universidade do Porto, Porto, Portugal.

P214 RELATIONSHIP BETWEEN BONE MINERAL DENSITY, CORONARY RISK FACTORS, C-REACTIVE PROTEIN, AND INSULIN GROWTH FACTOR IN FRAIL ELDERLY: M.S. Amer¹, T.M. Farid¹, H.M. Farid¹, R.A. Malbrouk², H.G. Saber¹ (1, 2. Cairo, Egypt)

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**ENDORSED BY:**
the International Association of Gerontology and Geriatrics (IAGG) and its Global Aging Research Network (GARN), and supported by The Journal of Frailty & Aging (JFA).

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