

FINAL PROGRAM

ICFSR 2017

International Conference on
Frailty & Sarcopenia Research

27-28-29 April, 2017 Barcelona, Spain

Meeting Place: Crowne Plaza • Barcelona Fira Center • Barcelona • Spain



7th EDITION



All abstracts and proceedings will be published in the Journal of Frailty and Aging (JFA) www.jfrailtyaging.com

www.icfsr.com

8:00/8:30am	Welcome Coffee
8:30/9:00am	Welcome By the Organizing Committee <i>Antoni Salva (Barcelona, Spain), Leocadio Rodríguez-Mañás, Alfonso Cruz-Jentoft (Madrid, Spain) Roger Fielding (Boston, USA), Marco Pahor (Gainesville, USA) Matteo Cesari, Bruno Vellas (Toulouse, France)</i>
9:00/9:30am	KEYNOTE 1: FRAILITY IN THE CLINICAL SCENARIO: CHALLENGES AND OPPORTUNITIES <i>Leocadio Rodríguez-Mañás (Madrid, Spain)</i>
9:30/10:30am	SYMPOSIUM 1: THE NIA AND FNIIH SARCOPENIA PROJECT 2: PROJECT UPDATES AND PRELIMINARY RESULTS <i>Moderator: Shalender Bhasin, Harvard Medical School, Boston, USA</i> <ul style="list-style-type: none"> • Harmonization of data including lean mass from dual x-ray absorptiometry <i>Karol Pencina Brigham and Women's Hospital, Boston, USA, Thomas Trivison Harvard Medical School, Boston, USA.</i> • Use of allometric scaling when considering body size in sarcopenia research <i>Todd Manini Ph.D., Department of Aging and Geriatric Research, University of Florida, USA</i> • Preliminary results from cohort studies, and initial identification of cut-points <i>Peggy M. Cawthon Ph.D., MPH, California Pacific Medical Center Research Institute, USA</i>
10:30/11:00am	COFFEE BREAK • POSTER SESSION
11:00/12:00am	SYMPOSIUM 2: DO-HEALTH SARCOPENIA & FRAILITY <i>Moderators: Prof. Heike A. Bischoff-Ferrari, MD, DrPH, Dept. of Geriatrics and Aging Research, University Hospital Zurich Switzerland Prof. Bruno Vellas, MD, Gérontopôle - Centre Hospitalier Universitaire de Toulouse, France</i> <ul style="list-style-type: none"> • Sarcopenia Prevalence in 5 DO-HEALTH countries – cross-sectional validation of the sarcopenia instrument library <i>Heike A. Bischoff-Ferrari, MD, DrPH - Dept. of Geriatrics and Aging Research, University Hospital Zurich and University of Zurich, Switzerland</i> • Prevalence of frailty and pre-frailty in 5 DO-HEALTH countries - correlation with markers of physical function <i>Michael Gagesch Dept. of Geriatrics and Aging Research, University Hospital Zurich and University of Zurich, Switzerland</i> • Functional measures among fallers and non-fallers in 5 DO-HEALTH countries <i>Gregor Freystätter MD - Dept. of Geriatrics and Aging Research, University Hospital Zurich and University of Zurich, Switzerland</i> • Physical frailty and cognitive health in 5 DO-HEALTH countries <i>Patricia Chocano MD, PhD - Dept. of Geriatrics and Aging Research, University Hospital Zurich and University of Zurich, Switzerland</i>
12:00/12:30am	KEYNOTE 2: BLOCKADE OF MYOSTATIN AS A THERAPEUTIC APPROACH <i>Stephen Donahue (Savannah, USA)</i>
12:30/1:30pm	LUNCH BREAK • POSTER SESSION
1:30/2:00pm	ORAL COMMUNICATIONS
1:30pm	OC1: Update on Effect of Bimagrumab in Patients with Sporadic Inclusion Body Myositis – implications for future trials <i>Ronenn Roubenoff (1) for the BYM338 Project Team (1) Novartis Institutes for Biomedical Research, Basel, Switzerland and Cambridge, MA, (USA)</i>
1:30pm	OC2: A randomized double-blind (sponsor unblind) placebo controlled study in healthy subjects to evaluate: safety, tolerability, pharmacokinetics, and pharmacodynamics of the repeat doses of GSK2881078, a Selective Androgen Receptor Modulator <i>David Neil (MD, Clinical Director, Muscle Metabolism DPU, Glaxosmithkline (GSK) - Alan Russell, VP and Head Muscle Metabolism DPU, GSK, Julia Billiard, Clinical Operations, GSK, Ann Walker, Statistics, GSK, Mindy Magee, DMPK, GSK, Eric Lewis, Clinical Safety, GSK, Ann Chan, Data Management, GSK</i>
2:00/3:00pm	SYMPOSIUM 3: WHO Symposium: Healthy Ageing and Integrated Care for Older People <i>Moderator: Bruno Vellas, Chairman of the Gérontopôle, Head of the Department of Internal Medicine and Geriatrics, University Hospital of Toulouse, France.</i> <ul style="list-style-type: none"> • Aligning health systems to the needs of older people: community care model for optimising trajectories of intrinsic capacity <i>Islene Araujo De Carvalho Senior Policy and Strategy Adviser, Department of Ageing and Life Course, World Health Organization, Geneva, (Switzerland)</i> • Biological theory for the construct of intrinsic capacity <i>Matteo Cesari Professor, Gérontopôle, University Hospital of Toulouse, (France)</i> • Operational definition of Intrinsic capacity: evidence from clinical data <i>Cyrus Cooper MRC Life course Epidemiology Unit, University of Southampton, Southampton, (UK)</i> • Closing the evidence to practice gap: WHO ICOPE guideline recommendations <i>Jotheeswaran Amuthavalli Thiyagarajan Technical Office, Department of Ageing and Life Course, World Health Organization, Geneva, (Switzerland)</i>
3:00/3:30pm	KEYNOTE 3: CLINICAL INTERVENTIONS TO AVERT INFLAMMATION, SARCOPENIA AND FRAILITY <i>Marco Pahor (Gainesville, USA)</i>
3:30/4:00pm	COFFEE BREAK • POSTER SESSION

PARALLEL SESSIONS • BALLROOM 1

- 4:00/5:00pm **SYMPOSIUM 4: Pitfalls in the measurement of Lean Body Mass: a need for consensus and standardization Outcomes of an ESCEO Working Group under the auspices of WHO-EUGMS-IAGG-GARN and IOF**
Moderators: Yves Reginster (Liège, Belgium), Bruno Vellas (Toulouse, France)
- **Welcome and scope of the meeting: *Islene Araujo De Carvalho* (Geneva, Switzerland)**
 - **Why do we need standardization of Appendicular Lean Body Mass (ALBM) Assessment ?**
Matteo Cesari (Toulouse, France)
 - **How can we achieve standardization of Appendicular Lean Body Mass (ALBM) Assessment ?**
Klaus Engelke (Hamburg, Germany)
 - **Discussion: *Francesco Landi* (Roma, Italia)**
- 5:00/6:15pm **ORAL COMMUNICATIONS**
- 5:00pm **OC3: The Use of Dietary Supplements among Older Adults in the USA 2007-2010**
JT Dwyer DScRD (1), Regan L Bailey PhD MPH (2), Jaime Gahche MPH (3) - (1) Office of Dietary Supplements National Institutes of Health, USA (2) Department of Nutrition Science, Purdue University, US, (3) National Center for Health Statistics, Centers for Disease Control and Prevention, (USA)
- 5:15pm **OC4: Thoracic Cut-off Values For CT assessment Of Sarcopenia**
Ursula Nemec MD (1); Benedikt Heidinger, MD (1); Claire Sokas, MD (2); Louis Chu, MD (2); Ronald Eisenberg, MD, JD (1) - (1) Department of Radiology, Beth Israel Deaconess Medical Center, Boston, USA - (2) Cardiac Surgery Department, Beth Israel Deaconess Medical Center, Boston, (USA)
- 5:30pm **OC5: Impact of a lay led home-based intervention programme on quality of life and fear of falling in community-dwelling pre-frail or frail older adults: a randomised controlled trial**
Kapan A. PhD (1), Luger E. PhD (1), Haider S. MSc (1), Titz S. PhD, MPH (2), Schindler K. PhD (3), Dorner T. E. MD, MPH (1), Lackinger C. PhD (4) (1)Institute of Social Medicine, Centre for Public Health, Medical University of Vienna, Vienna, Austria - (2)Institute of Sport Science, University of Graz, Graz, Austria - (3)Department of Medicine, Division of Endocrinology and Metabolism, Medical University of Vienna, Vienna, Austria - (4)Department of Health Promotion and Prevention, Sportunion Austria, Vienna, (Austria)
- 5:45pm **OC6: Safety, pharmacokinetics and pharmacodynamics of bimagrumab: a phase I, randomised, double blind study in elderly and obese healthy human participants**
Daniel Rooks PhD (1), Michael Bartlett, MBA (2), Olivier Petricoul, PhD (2), Didier Laurent, PhD (2), Ronenn Roubenoff, MD, MHS (2) - (1) Novartis Institutes for Biomedical Research, Cambridge, MA 02139, (USA) (2) Novartis Institutes for Biomedical Research, 4002 Basel, (Switzerland)
- 6:00pm **OC7: frailty in centenarians: insights from the 5-coop study**
M Herr, Pharmd, PHD (1), K Andersen-Ranberg, MD PHD (2), J Ankri, MD PHD (1), Y Arai, MD PHD (3), S Fors, PHD (4), F Hermann, MD PHD (5), B Jeune, MD PHD (2), M Parker, PHD (4), Y Saito, PHD (6), D Zekry, MD PHD (5), JM Robine, PHD (7) and the 5-Coop DGoup. (1) UMR1168, Inserm and Université Versailles st-quentin-en yvelines, France; Centre de Gérontologie, Hôpital Sainte-Périne, Assistance Publique-Hôpitaux de Paris, France (2) Epidemiology, Institute of Public Health, University of Southern Denmark, Odense, Denmark (3) School of Medicine, Keio University, Tokyo, Japan (4) Aging Research Center, Karolinska Institute, Stockholm University, Sweden (5) Department of rehabilitation and geriatrics, Geneva University Hospitals, Medical School, University of Geneva, Switzerland (6) University research center, Nihon University, Japan (7) INSERM U988 et U1198, Ephe, Paris & Montpellier, France

PARALLEL SESSIONS • BALLROOM 2

- 4:00/5:00pm **SYMPOSIUM 5: DETECTING FRAILTY AND GERIATRIC CARE IN CLINICAL AND NON-CLINICAL SETTINGS**
Moderator: Leocadio Rodriguez-Mañás MD PhD, Fundación de Investigación Biomédica del Hospital Universitario de Getafe, Madrid, (Spain)
- **Adequacy and Feasibility of Frailty Index in Inpatient Wards, Outpatient Consultations, Primary Care, and Nursing Homes: Results from the FRAILTOOLS study**
Armando Pardo MD Fundación de Investigación Biomedica del Hospital Universitario de Getafe, Madrid, (Spain)
 - **Performance and concordance of frailty screening tools in clinical settings. Impact of supplementary Geriatric Interventions in hospitalized frail patients: Results from the FRAILCLINIC study**
Marta Checa PhD Fundación de Investigación Biomedica del Hospital Universitario de Getafe, Madrid, (Spain)
 - **Biomarkers for diagnosis, risk, and progression of frailty: Results from the FRAILOMIC study**
Stefan Walter PhD (1) Fundación de Investigación Biomedica del Hospital Universitario de Getafe, Madrid, (Spain) (2) Dept. of Epidemiology and Biostatistics, University of California San Francisco, (USA)
- 5:00/6:15pm **ORAL COMMUNICATIONS**
- 5:00pm **OC8: Geriatric Trauma and Frailty: Initiatives at a Level I Trauma Center**
Cathy Maxwell PhD, RN Vanderbilt University School of Nursing Nashville, (USA)
- 5:15pm **OC9: Physical activity: which type for which profile?**
Mylène Aubertin-Leheudre PHD Département des Sc de l'activité physique, CRIUGM, UQAM, Québec, Canada
- 5:30pm **OC10: Body composition, IGF 1 status, physical functionality and metabolic syndrome in nonagenarians from the Louisiana Healthy Aging Study: implications for osteosarcopenia**
Eleonora Poggiogalle (1,2), Katie E. Cherry (3), L. Joseph Su (4), Sangkyu Kim (5), Leann Myers (6), David A. Welsh (7), S. Michal Jazwinski (5), Eric Ravussin(1) (1) Pennington Biomedical Research Center, Baton Rouge, LA (2) Department of Experimental Medicine- Medical Pathophysiology, Food Science and Endocrinology Section, Sapienza University, Rome, Italy. (3) Department of Psychology, Louisiana State University, Baton Rouge, LA, (4) Department of Epidemiology, University of Arkansas for Medical Sciences, Little Rock, AR (5) Tulane Center for Aging and Department of Medicine, Tulane University Health Sciences Center, New Orleans, LA (6) Department of Global Biostatistics and Data Science, School of Public Health and Tropical Medicine, Tulane University Health Sciences Center, New Orleans, LA (7) Department of Medicine, Louisiana State University Health Sciences Center, New Orleans, LA (8) Department of Cardiopulmonary Science, Louisiana State University Health Sciences Center, New Orleans, LA. (USA)
- 5:45pm **OC11: The unsuspected intrinsic property of melanin to dissociate the water molecule, as chlorophyll in plants. Implications in the molecular logic of Frailty and Aging**
Arturo Solis Herrera Centro de Estudios de la Fotosíntesis Humana. S.C. Human Photosynthesis Study Center - Sierra del Laurel 212, Colonia Bosques del Prado Norte. Aguascalientes (Mexico)
- 6:00pm **OC12: Caloric restriction and healthy lifespan: Frail phenotype of non-human primates in the Wisconsin National Primate Research Center Caloric Restriction Study**
Yosuke Yamada PhD1, Joseph W. Kemnitz PhD, 2,3, Richard Weindruch PhD4, Rozalyn M. Anderson PhD4,5, Dale A. Schoeller6 PhD, Ricki J. Colman PhD3 (1) Department of Nutritional Science, National Institutes of Biomedical Health, Innovation, and Nutrition, Tokyo, Japan (2) Department of Cell and Regenerative Biology, University of Wisconsin-Madison(3)Wisconsin National Primate Research Center, Madison, WI, USA (4)Department of Medicine, University of Wisconsin-Madison (5) GRECC, William S Middleton Memorial Veterans Hospital, Madison WI, USA (6) Biotechnology Center, University of Wisconsin-Madison, Madison, WI, (USA)

PARALLEL SESSIONS **FRAILTY** • BALLROOM 1

8:30/9:30am **ORAL COMMUNICATIONS**

8:30am **OC13: Post-Hospital Interventions in Community Dwelling Older Adults to Accelerate Recovery of Physical Function as measured by the Short Physical Performance Battery**
Rachel R. Deer PhD(1), Jared Dickinson, PhD(2), Steve Fisher, PT, PhD(1), Jacques Baillargeon, PhD(1), Elena Volpi, MD, PhD(1) (1) University of Texas Medical Branch, USA (2) Arizona State University, (USA)

8:45am **OC14: Polyphenol-rich diet intake and frailty syndrome. Relevance to polyphenol recommendations and aging-health promoting**
Cristina Andres-Lacueva PhD (1), Montserrat Rabassa, PhD (1), Patricia Casas-Agustench, PhD (1), Raul Zamora-Ros, PhD (2), Mireia Urpi-Sarda, PhD1, Stefania Bandinelli, MD (3), Luigi Ferrucci, MD, PhD (4), Antonio Cherubini, MD, PhD (5) - (1) Biomarkers and Nutrimetabolomic Laboratory, Department of Nutrition, Food Sciences and Gastronomy, Food Technology Reference Net (XaRTA), Nutrition and Food Safety Research Institute (INSA), Campus Torribera, Faculty of Pharmacy and Food Sciences, University of Barcelona, Barcelona, (Spain) (2) Unit of Nutrition and Cancer, Cancer Epidemiology Research Programme, Catalan Institute of Oncology, Bellvitge Biomedical Research Institute (IDIBELL), Barcelona, Spain (3) Geriatric Unit, Azienda Sanitaria Firenze, Florence, Italy (4) Clinical Research Branch, National Institute on Aging, NIH, Baltimore, Maryland, United States (5) Geriatrics and Emergency Care, Italian National Research Centre on Aging (INRCA), Ancona, Italy.

9:00am **OC15: Effectiveness of a multifactorial intervention to modify frailty parameters in the elderly**
Francesc Orfila MD, PhD(1), Laura Romera, MD(2), Josep Maria Segura, MD, PhD (2), Maria Lluïsa Fabra, BSN (3), Anna Ramirez, BSN (2), Mercedes Möller, MD (3) - (1) Institut Universitari d'Investigació en Atenció Primària Jordi Gol (IDIAP Jordi Gol), Barcelona, (Spain) (2) CAP Raval Nord, Gerència Territorial Barcelona Ciutat, Institut Català de la Salut Barcelona, (Spain) (3) Rehabilitation Unit, CAP Drassanes, Institut Català de la Salut, Barcelona, (Spain)

9:15am **OC16: Change in Inflammatory Parameters in Pre frail and Frail Persons Obtaining Physical Training and Nutritional Support**
Sandra Haider MSc; Eva Luger, MSc(1); Igor Grabovac, MD (1); Ali Kapan, MSc (1); Karin Schindler, PhD (2); Christian Lackinger, PhD (3); Sylvia Titze, PhD, MPH (4); Thomas E Dornier, MD, MPH1 (1) Institute of Social Medicine, Centre for Public Health, Medical University of Vienna, (Austria) - (2) Department of Internal Medicine III, Division of Endocrinology and Metabolism, Medical University of Vienna, Austria (3) Department for Health Promotion and Prevention, SPORTUNION (Austria)(4) Institute of Sport Science, University of Graz, (Austria)

9:30/10:30am **SYMPOSIUM 6: WEAKNESS, OBESITY, AND DISABILITY IN OLDER ADULTS: THE PREVENTABLE TRIAD**

Moderator: Peggy Cawthon, Ph.D., MPH, California Pacific Medical Center Research Institute, USA

• **Fat and Musculoskeletal Interactions in Obesity, Aging and Neuromotor Disabilities: Unraveling Cause from Consequence**

Mark Peterson Ph.D., M.S., Department of Physical Medicine and Rehabilitation, University of Michigan, (USA)

• **Harmonizing, Operationalizing and Understanding Dynapenic Obesity: A Global Perspective**

Todd Manini Ph.D., Department of Aging and Geriatric Research, University of Florida, (USA)

• **Frailty and Diabetes in the Clinic and the Nursing Home: Insights from the Bedside**

John Morley M.D., Division of Geriatric Medicine, Saint Louis University, (USA)

10:30/11:00am **COFFEE BREAK • POSTER SESSION**

11:00/12:00am **SYMPOSIUM 7: FRAILTY MEASUREMENT USING BODY WORN SENSORS: PROS, CONS AND EXAMPLES**

Moderator: Jane Mohler, MPH, PhD, Colleges of Medicine, Public Health and Bioengineering, Division of Geriatrics, GIM and PM, University of Arizona, Tucson, USA; Arizona Center on Aging, Tucson, Arizona, USA Communications (USA)

• **Frailty Assessment – High Tech versus Low Tech Approaches and the True Nature of Frailty.**

Jurgen Bauer MD, PhD Chair, Geriatric Medicine, Universität Heidelberg, Heidelberg, Germany

• **Sensor-based Upper Extremity Frailty Measurement**

Nima Toosizadeh PhD (1,2); Christopher Wendel, MS (2); Jane Mohler, MPH, PhD (1,2); (1) Colleges of Medicine and Bioengineering, University of Arizona, Arizona, (USA); (2) Arizona Center on Aging, Tucson, Arizona, (USA)

• **Sensor-Based In-Home Assessment of Gait, Balance, and Physical Activity for Discrimination of Frailty Status.**

Michael Schwenk PhD,(1,2);Christopher Wendel, MS (2), Bijan Najafi, PhD (3), Jane Mohler, MPH, PhD(2) - (1) Junior Research Group Leader, Network Aging Research, Heidelberg University, Heidelberg, (Germany) (2) Arizona Center on Aging, Tucson, Arizona, USA (3) Baylor College of Medicine, Texas, (USA)

12:00/12:30am **ORAL COMMUNICATIONS**

12:00am **OC17: The impact of frailty on health services use among non-institutionalized Quebec seniors with fracture: a population-based study using administrative databases**

Vanessa Fillion (1,2,3), **Marie-Josée Sirois** (1,2,3), Philippe Gamache (4), Sonia Jean (4) - (1) Centre d'Excellence sur le Vieillessement de Québec (CEVQ), Québec, Canada (2) Centre de recherche du CHU de Québec, Québec, Canada (3) The Canadian Emergency Team Initiative (CETI) (4) Bureau d'information et d'études en santé des populations, Institut national de santé publique du Québec (INSPQ), Québec, (Canada)

12:15am **OC18: The association between gut microbiota composition and frailty, multimorbidity and polypharmacy in hospitalized older patients. Preliminary results from a next-generation metagenomics study.**

Andrea Ticinesi MD (1), Antonio Nouvenne, MD, PhD (1), Christian Milani, PhD (2), Leonardo Mancabelli, PhD (2), Gabriele Andrea Lugli, PhD (2), Francesca Turroni, PhD (2), Sabrina Duranti, PhD (2), Marta Mangifesta, PhD (2), Alice Viappiani, PhD (2), Chiara Ferrario, PhD (2), Marco Ventura, PhD (2), Fulvio Lauretani, MD, PhD (1), Marcello Maggio, MD, PhD (1), Tiziana Meschi, MD (1) - (1)Department of Clinical and Experimental Medicine, University of Parma, Italy (2)Department of Life Sciences, Probiogenomics Lab, University of Parma, (Italy)

12:30/1:30pm **LUNCH BREAK • POSTER SESSION**

PARALLEL SESSIONS **FRAILITY** • BALLROOM 1

1:30/2:30pm **ORAL COMMUNICATIONS**

1:30pm **OC19: Effectiveness of an intervention to prevent frailty in pre-frail community-dwelling elderly subjects consulting in primary care. A randomized controlled trial**

Sist X (1,6,7), Serra-Prat M (1, 2), Palomera E (1), Vico J1, Papiol M (3), Domenich R (4), JuradoL (5), Bernabeu-Tamayo MD (6). (1)Research Unit. Consorci Sanitari del Maresme, Mataró (Barcelona, Spain) (2) Centro de Investigación Biomédica en Red de Enfermedades Hepáticas y Digestivas (CIBEREHD), ISCIII (Madrid, Spain) (3) ABS Argentona, Consorci Sanitari del Maresme, Mataró (Barcelona, Spain) 4. ABS Mataró Centre, Consorci Sanitari del Maresme, Mataró (Barcelona, Spain) 5. ABS Círcer-Molins, Consorci Sanitari del Maresme, Mataró (Barcelona, Spain) 6. Universitat Autònoma de Barcelona, Bellaterra (Barcelona, Spain) 7. Hospital General de Granollers, Granollers Barcelona, (Spain)

1:45pm **OC20: Agreement between Physicians' and Surrogates' Judgment of Pre-hospital Frailty in Critically Ill Adults** **Aluko A. Hope** (1), Missiel Munoz (1), Michelle Ng Gong(1) - (1)Department of Medicine, Division of Critical Care Medicine, Albert Einstein College of Medicine, Bronx, New York (USA)

2:00pm **OC21: Deficit accumulation in older adults: Older men with lower income may experience faster decline in health status - Results from the KORA-Age study**

Anna-Janina Stephan (1,2), Ralf Strobl (1,2), Rolf Holle(3), Christa Meisinger (4), Holger Schulz (5,6), Karl-Heinz Ladwig (4,7), Barbara Thorand (4), Annette Peters (4), Eva Grill (1,2,8) - (1) Institute for Medical Information Processing, Biometrics and Epidemiology, Ludwig-Maximilians-Universität München, Munich, Germany. (2) German Center for Vertigo and Balance Disorders, Ludwig-Maximilians-Universität München, Munich, Germany (3) Institute of Health Economics and Health Care Management, Helmholtz Zentrum München, German Research Center for Environmental Health (GmbH), Neuherberg, Germany (4) Institute of Epidemiology II, Helmholtz Zentrum München, German Research Center for Environmental Health (GmbH), Neuherberg, Germany. (5) Institute of Epidemiology I, Helmholtz Zentrum München, Neuherberg, Germany (6) Comprehensive Pneumology Center Munich (CPC-M), Member of the German Center for Lung Research, Munich, Germany (7) Department for Psychosomatic Medicine and Psychotherapy, Klinikum Rechts der Isar, Technische Universität München, Munich, Germany (8) Munich Center of Health Sciences, Ludwig-Maximilians-Universität München, Munich, (Germany)

2:15pm **OC22: Are all Older Adults with Elevated Blood Glucose at Risk of Frailty? - Results from Beijing Longitudinal Study of Aging II (BLSA-II)**

Jagadish Kumar Chhetri, M.D. (2,5), Zheng Zheng, Ph.D. (1,2,4), Xitong Xu, M.D. (3), Cuihong Ma, M.D. (2), Piu Chan, M.D., Ph.D(1,2,3,4), (1)Department of Neurobiology, Xuanwu Hospital of Capital Medical University, Beijing,, China (2) Department of Geriatrics, Xuanwu Hospital of Capital Medical University, Beijing, (China) (3) Department of Neurology, Beijing Institute of Geriatrics, Xuanwu Hospital of Capital Medical University, Beijing, China (4) Parkinson's Disease Center of Beijing Institute for Brain Disorders, Key Laboratory on Neurodegenerative Disease of Ministry of Education, and Beijing Key Laboratory for Parkinson's Disease, Beijing, China (5) Gerontopole, Institute on Aging, Toulouse University Hospital, Toulouse, (France)

2:30/3:30pm **SYMPOSIUM 8: FRAILITY IN CLINICAL PRACTICE**

• **Tackling the challenges of frailty screening and care in low resource clinical settings**

Miguel Gutierrez Robledo (Mexico)

• **Is Frailty the Clinical Expression of Sarcopaenia? An Exploration of this Hypothesis in Older People with Diabetes**

Alan Sinclair (London - UK)

• **A technical approach for providing an integrated care to frail people**

Ricardo Rueda Cabrera (Granada - Spain)

3:30/4:00pm **COFFEE BREAK • POSTER SESSION**

4:00/6:30pm **ORAL COMMUNICATIONS**

4:00pm **OC23: Frailty assessment improves prognostic performance of existing tools for acute coronary syndrome and heart failure in older patients**

Atul Anand (1,2), Sarah Cudmore(3), Kirsty Boyd(4), Scott Murray(4), Jacqueline Stephen(5), Christopher Weir(6), Alasdair MacLulich(2), Susan Shenkin(2), Nicholas Mills(1,3), Martin Denvir (1,3) - (1) British Heart Foundation Centre for Cardiovascular Science, University of Edinburgh (2) Geriatric Medicine Research Group, University of Edinburgh (3) Edinburgh Heart Centre, Royal Infirmary of Edinburgh (4) Primary Palliative Care Research Group, Usher Institute for Population Health Sciences and Informatics, University of Edinburgh (5) Edinburgh Clinical Trials Unit, University of Edinburgh (6) Edinburgh Health Services Research Unit, Usher Institute for Population Health Sciences and Informatics, University of Edinburgh (UK)

4:15pm **OC24: Hourly Activity Patterns of Frail, Pre-frail, and Non-frail U.S. Elders in NSHAP: Variation by Gender** **Huisingh-Scheetz M** (1) Wroblewski K, (2) Kocherginsky M, (3) Birch S, (2) Dale W, (1) Waite L, (4) Schumm P. (2) - (1) University of Chicago Medicine, Department of Medicine, Section of Geriatrics and Palliative Medicine - (2) University of Chicago Medicine, Department of Public Health Sciences - (3) Northwestern University, Department of Preventive Medicine - (4) University of Chicago, Department of Sociology & NORC (USA)

4:30pm **OC25: Association of Cardiovascular and Neuropsychiatric Multimorbidity with Mobility Limitation and Disability in Older Adults over 6 years: A Population-Based Study**

Davide L Vetrano (1,2), Debora Rizzuto(1), Amaia Calderón-Larrañaga(1,3), Graziano Onder(2), Anna-Karin Welmer(1), Roberto Bernabei (2), Alessandra Marengoni (4), Laura Fratiglioni (1) - (1) Aging Research Center, NVS, Karolinska Institutet and Stockholm University, Sweden (2) Dept of Geriatrics, Neurosciences and Orthopedics, Catholic University of the Sacred Heart, Italy (3) EpiChron Research Group, Aragon Health Sciences Institute, Spain (4) Department of Clinical and Experimental Sciences, University of Brescia, (Italy)

4:45pm **OC26: The association between lifestyle and overall health, using the frailty index: The Rotterdam Study** **A cross sectional study among middle-aged and elderly individuals**

Stef Brinkman (1), Trudy Voortman (1), Jessica Kieft-de Jong (1,2), Frank van Rooij (1), Fernando Rivadeneira (1,3), Oscar Franco (1), **Josje Schoufour** (1) (1)Department of Epidemiology, Erasmus MC, University Medical Center, Rotterdam, the Netherlands - (2)Leiden University College, The Hague, the Netherlands (3)Department of Internal Medicine, Erasmus MC, 3000 CA Rotterdam, the Netherlands

PARALLEL SESSIONS **FRAILTY** • BALLROOM 1

- 5:00pm **OC27: Sarcopenia and frailty risk is not reduced in patients entering contemporary HIV Care**
Guaraldi G(1) Malagoli A, Maia L, Franconi I, Zona S, Menozzi M, Silva A, Mussini C, Cesari M, Falutz J (1) Department of Medical and Surgical Sciences for Children & Adults Modena, (Italy)
- 5:15pm **OC28: A novel frailty index is associated with sarcopenia and independently predicts survival in advanced ovarian cancer**
Amanika Kumar MD (1), Stephanie R. DeJong, MD, Michaela E. McGree, BS, Amy L. Weaver, MS, William A. Cliby, MD, Carrie L. Langstraat, MD (1) Mayo Clinic Rochester, (USA)
- 5:30pm **OC29: Lifetime diet quality and physical performance in older age: findings from a British birth cohort**
Sian Robinson PhD (1,2), Leo Westbury (1), Rachel Cooper (3), Diana Kuh (3), Kate Ward (1,4) Holly Syddall (1), Avan Aihie Sayer (5,6), Cyrus Cooper (1,2,7) (1) MRC Lifecourse Epidemiology Unit, University of Southampton, UK - (2) NIHR Nutrition Biomedical Research Centre, University of Southampton and University Hospital Southampton NHS Foundation Trust, Southampton, UK - (3) MRC Unit for Lifelong Health and Ageing at UCL, 33 Bedford Place, WC1B 5JU, London, UK (4) MRC Elsie Widdowson Laboratory, Cambridge, UK (5) Institute of Neuroscience, Newcastle University, Newcastle upon Tyne NE4 5PL, UK (6) NIHR Newcastle Biomedical Research Centre, Newcastle University and Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle upon Tyne NE4 5PL, UK (7) NIHR Musculoskeletal Biomedical Research Unit, University of Oxford, Nuffield Orthopaedic Centre, Windmill Road, Oxford, OX3 7LD, UK
- 5:45pm **OC30: Orally administered Urolithin A is safe and modulates muscle and mitochondrial biomarkers in a randomized, double-blind, placebo controlled Phase 1 clinical trial in elderly**
Anurag Singh (1) Pénélope A. Andreux (1), William Blanco-Bose (1), Dongryeol Ryu (1, 2), Patrick Aebischer (3), Johan Auwerx (2), Chris Rinsch (1) - (1) Amazentis SA (EPFL Innovation Park, Batiment C, CH-1015 Lausanne, Switzerland) (2) Laboratory for Integrative and Systems Physiology (School of Life Sciences, Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne, Switzerland) (3) Neurodegenerative studies laboratory (Brain Mind Institute, School of Life Sciences, Ecole Polytechnique Fédérale de Lausanne, CH-1015 Lausanne, Switzerland)
- 6:00pm **OC31: Paraspinous Muscle Attenuation on Computed Tomography (CT) is Associated with Health-Related Quality of Life in the National Lung Screening Trial**
Robert D. Boutin MD (1), Stephen B. Kritchevsky, PhD (2), Thomas C. Register PhD (3), Barton L. Wise, MD (4), Cyrus P. Bateni, MD (5), Ahmed Bayoumi, MD (6), Haiying Chen, PhD (7), Caroline Chiles, MD (8), Leon Lenchik, MD (8) - (1) Department of Radiology, University of California, Davis School of Medicine, Sacramento, USA (2) Department of Geriatric Medicine, Wake Forest School of Medicine, Winston-Salem, USA (3) Department of Pathology and Comparative Medicine, Wake Forest School of Medicine, Winston-Salem, USA (4) Departments of Orthopaedics and Internal Medicine, University of California, Davis School of Medicine, Sacramento, USA (5) Department of Radiology, University of California, Davis School of Medicine, Sacramento, USA (6) Department of Otolaryngology, University of California, Davis School of Medicine, Sacramento, USA (7) Department of Public Health Sciences, Wake Forest School of Medicine, Winston-Salem, USA (8) Department of Radiology, Wake Forest School of Medicine, Winston-Salem, USA
- 6:15pm **OC32: Intravenous Delivery of Allogeneic Mesenchymal Stem Cells Reduces the Chronic Inflammation in Aging and Frailty and Reverses Immunosenescence**
Ana Marie Landin (1, 2) Audrey S. Medina (1), Aisha Khan (2), Anthony A. Oliva (1), Pascal J. Goldschmidt-Clermont (3,4) and Joshua M. Hare (1,2,3,4) (1) Longeveron, LLC, Miami, FL, USA (2) Interdisciplinary Stem Cell Institute, University of Miami Miller School of Medicine, Miami, FL, USA (3) Department of Medicine, University of Miami Miller School of Medicine, Miami, FL, USA (4) Division of Cardiology, University of Miami Miller School of Medicine, Miami, FL, USA

PARALLEL SESSIONS **SARCOPENIA** • BALLROOM 2

8:30/9:30am **ORAL COMMUNICATIONS**

8:30am **OC33: Health outcomes of sarcopenia: a systematic review and meta-analysis**

Charlotte Beaudart (1), Myriam Zaaria (2), Françoise Pasleau (3), Jean-Yves Reginster (1), Olivier Bruyère(1) - (1) Public Health, Epidemiology and Health Economics, University of Liège, Liège 4000, Belgium (2) Aix-Marseille University, School of Medicine, France (3) Life Sciences Library, University of Liège, Liège, (Belgium)

8:45am **OC34: Dietary Protein Intake and Incident Sarcopenia in Older Adults: The Health ABC Study**

Denise K. Houston PhD (1), Janet A. Tooze, PhD (1), Marjolein Visser, PhD (2), Frances A. Tylavsky, DPH, MS (3), Susan Rubin, MS (4), Anne B. Newman, MD, MPH (5), Tamara B. Harris, MD, MS (6), Stephen B. Kritchevsky, PhD (1) Wake Forest School of Medicine, Winston Salem, NC, USA - (2) Vrije Universiteit, Amsterdam, The Netherlands (3) University of Tennessee Health Science Center, Memphis, TN, USA - (4) University of California, San Francisco, CA, USA - (5) University of Pittsburgh, Pittsburgh, PA, USA (6) National Institute on Aging, Bethesda, MD, (USA)

9:00am **OC35: Higher dietary intakes of the anti-oxidant vitamins C, E and carotene are associated with better measures of skeletal muscle mass and grip strength in men and women in the UK Biobank Study**

Ailsa A Welch PhD (1), Mary Hickson PhD (2), Jane Skinner PhD (1) - (1)Department of Population Health and Primary Care, Norwich Medical School, University of East Anglia, Norwich, NR4 7TJ, UK. (2)School of Health Professions, Faculty of Health and Human Sciences, Plymouth University, Derriford Road, Plymouth, PL6 8BH, (UK)

9:15am **OC36: "Yubi-wakka (Finger-ring) test": Development of simple self-screening method for sarcopenia and its valuable usefulness**

Katsuya Iijima MD, PhD (1), Tomoki Tanaka (1,2), Kyo Takahashi, PhD (1), Masahiro Akishita, MD, PhD (2), Tetsuo Tsuji (1) - (1) Institute of Gerontology, The University of Tokyo, Japan - (2) Department of Geriatric Medicine, The University of Tokyo, (Japan)

9:30/10:30pm **SYMPOSIUM 9: LOW MUSCULARITY AND LOW MUSCLE ATTENUATION IN EARLY STAGE CANCER: PREVALENCE, PREDICTORS AND SHORT AND LONG TERM PROGNOSTIC OUTCOMES: INSIGHTS FROM LARGE SCALE EPIDEMIOLOGICAL STUDIES**

Moderator: **Bette Caan**, DrPH, Division of Research, Kaiser Permanente Medical Program of Northern California, Oakland, California, (USA)

• **Effects of low muscularity and low muscle attenuation on survival in early stage breast and colorectal cancer patients**

Bette Caan Dr PH Division of Research, Kaiser Permanente Medical Program of Northern California, Oakland, California, (USA)

• **Predictors of low muscularity and poor muscle quality in early stage breast cancer: An undetected risk factor**

Wendy Chen MD, MPH (2,3), Elizabeth Cespedes Feliciano, ScD(1) (2) Department of Medicine, Harvard Medical School, Boston, Mass, USA (3) Breast Oncology Center, Dana-Farber Cancer Institute, Dana Farber Cancer Center, Boston, Mass, USA (1) Division of Research, Kaiser Permanente Medical Program of Northern California, Oakland, California, (USA)

• **Skeletal muscle and severe treatment toxicity in cancer**

Elizabeth Cespedes Feliciano ScD(1) - (1) Division of Research, Kaiser Permanente Medical Program of Northern California, Oakland, California, (USA)

10:30/11:00am **COFFEE BREAK • POSTER SESSION**

11:00/12:00pm **SYMPOSIUM 10: SARCOPENIA RESEARCH UPDATE SINCE THE ASIAN CONSENSUS**

Moderator: **Hidenori Arai** National Center for Geriatrics and Gerontology, Obu, (Japan)

• **Updates of Sarcopenia Research in Asia**

Liang-Kung Chen Aging and Health Research Center, National Yang Ming University, Center for Geriatrics and Gerontology, Taipei Veterans General Hospital, Taipei, (Taiwan)

• **Comprehensively preventive approach for sarcopenia-related multi-dimensional frailty in the community elderly**

Katsuya Iijima MD, PhD Institute of Gerontology, The University of Tokyo, (Japan)

• **Implications in using cutoff of gait speed and handgrip strength presented by Asian Consensus: experience from KFACS (Korean Frailty & Aging Cohort Study)**

Chang Won Won Elderly Frailty Research Center, Department of Family Medicine, College of Medicine, Kyung Hee University, Seoul, Korea

Miji Kim Elderly Frailty Research Center, East-West Medical Research Institute, Kyung Hee University, Seoul, Korea

12:00/12:30am **ORAL COMMUNICATIONS**

12:00am **OC37: Longitudinal Association of Cognitive Frailty with BADL decline in patients with MCI**

Takashi Sakurai, National Center for Geriatrics and Gerontology, Japan, Taiki Sugimoto, National Center for Geriatrics and Gerontology, Japan, Naoki Saji, National Center for Geriatrics and Gerontology, Japan, Hidenori Arai, National Center for Geriatrics and Gerontology, Japan, Kenji Toba, National Center for Geriatrics and Gerontology, Japan, Chih-Kuang Liang, Kaohsiung Veterans General Hospital, Taiwan, Liang-Kung Chen Taipei Veterans General Hospital, Taiwan

12:15am **OC38: SARA-PK: A single and multiple ascending oral doses to assess the safety and evaluate the pharmacokinetics of BIO101 in healthy young and older volunteers**

Waly Diah (1), Susanna Del Signore(1), Philippe Dupont(1), Pierre Dilda(1), René Lafont(1,2) and Stanislas Veillet(1) - (1)Biophytis, Parc Biocitech, 102 avenue Gaston Roussel, Romainville, France - (2)Sorbonne Universités, UPMC Univ Paris 06, CNRS - Institut de Biologie Paris Seine (BIOSE), 75005 Paris, (France)

12:30/1:30pm **LUNCH BREAK • POSTER SESSION**

1:30/2:30pm **ORAL COMMUNICATIONS**

1:30pm **OC39: Clinical correlates and prevalence of sarcopenia and osteosarcopenia in a population based cohort: results of the rotterdam study**

Katerina Trajanoska (1,2), Josje D Schoufour (1), Sirwan KL Darweesh (1), Lies Lahousse (1,3), Guy Brusselle (1,3), Bruno Stricker (1), Carola M Zillikens (1), Andre G Uitterlinden (2), Arfan M Ikram (1,4), Oscar H Franco (1), Fernando Rivadeneira (1,2) - (1) Department of Epidemiology, ErasmusMC, Rotterdam, the Netherlands (2)Department of Internal Medicine, ErasmusMC, Rotterdam, the Netherlands (3)Department of Respiratory Medicine, Ghent University Hospital, Ghent University (4) Department of Neurology, Erasmus MC, Rotterdam, (the Netherlands)

PARALLEL SESSIONS **SARCOPENIA** • BALLROOM 2

- 1:45pm **OC40: Is poor physical function and muscle weakness in seniors related to reduced levels of common drive of motor units?**
Brian C. Clark Ph.D.(1), Shinichi Amano, PhD (1), David W. Arnold, M.D. (2), and Leatha A. Clark, DPT (1) - (1) Ohio Musculoskeletal and Neurological Institute, Ohio University, Athens, Ohio, USA (2) Departments of Neurology, Physical Medicine and Rehabilitation, and Neuroscience at The Ohio State University, Columbus, Ohio, (USA)
- 2:00pm **OC41: Nutritional Supplementation with β -hydroxy- β -methylbutyrate Improves Recovery and Reduces Sarcopenia in Elderly Patients with Hip Fracture: A Multicenter Randomized Controlled Trial. The HIPERPROT-GER Study**
Vincenzo Malafarina MD MSc (1,2), Concetta Malafarina MD (3), Francisco Uriz-Otano, MD, PhD, MSc (4), J Alfredo Martinez MD PhD (1,5,6,7), M Angeles Zulet PhD (1,5,6,7) - (1)Department of Nutrition, Food Science and Physiology, School of Pharmacy, University of Navarra, Pamplona, (2)Department of Geriatrics, Complejo Hospitalario de Navarra, Pamplona, (3)Department of Radiology, Complejo Hospitalario de Navarra, Pamplona, (4)Department of Geriatrics, Hospital San Juan de Dios, Pamplona, Spain, (5)CIBERObn, Physiopathology of obesity and nutrition. Instituto de Salud Carlos III. Madrid, (6)Centre for Nutrition Research, Faculty of Pharmacy, University of Navarra, Pamplona, (7)Navarra Institute for Health Research (IdiSNA), Pamplona, (Spain)
- 2:15pm **OC42: De-repression of cyclin-dependent kinase inhibitor 2a in ageing human skeletal muscle with atrophy and regrowth in vivo**
U Frandsen (1), P Aagaard (1), T Prokhorova (1), AN Jørgensen (1), L Jensen (1), LG Hvid (1), P Schjerling (2), M Kjaer (2), C Suetta (3) - (1) Institute of Sports Science and Clinical Biomechanics, SDU Muscle Research Cluster (SMRC), University of Southern Denmark, Denmark; (2) Institute of Sports Medicine and Center of Healthy Aging, Faculty of Health, University of Copenhagen, Bispebjerg Hospital, Denmark; (3) Department of Clinical Physiology, Nuclear Medicine & PET, Rigshospitalet, University of Copenhagen, (Denmark)
- 2:30/3:30pm **SYMPOSIUM 11: MOVING TOWARDS STANDARDIZED DATA AND OUTCOMES FOR FRAILTY STUDIES**
 Moderator: John Muscedere, MD, FRCPC Queens University Kingston, (Canada)
 • **The need for standardized outcomes and data for frailty studies**
John Muscedere MD, FRCPC Scientific Director, Canadian Frailty Network, Queens University Kingston, (Canada)
 • **Standardized frailty outcomes and data relevant to health care systems across the world**
Matteo Cesari MD, PhD University of Toulouse, Toulouse, (France)
 • **What can we learn from Outcome Measures in Rheumatology Clinical Trials (OMERACT)?**
Peter Tugwell MD, FRCPC Bruyère Research Institute, University of Ottawa, Ottawa, (Canada)
- 3:30/4:00pm **COFFEE BREAK • POSTER SESSION**
- 4:00/5:30pm **ORAL COMMUNICATIONS**
- 4:00pm **OC43: Combined exercise training is more effective than time-matched aerobic or resistance exercise training for improving physical function in older adults**
James Timmons MSc (1,2), Dean Minnock, MSc (1), Michelle Hone, BSc (3), Karl E. Cogan, MSc (1), John C. Murphy, MSc (3), Brendan Egan, PhD (1,3) (1) Institute for Sport & Health, School of Public Health, Physiotherapy and Sports Science, University College Dublin, Belfield, Dublin 4, Ireland (2) Medfit Proactive Healthcare, Blackrock, Co. Dublin, Ireland (3) School of Health and Human Performance, Dublin City University, Glasnevin, Dublin 9, (Ireland)
- 4:15pm **OC44: Cognitive impairment and physical frailty in older adults: impact on 11-year survival**
G. Grande (1, 2), D. Rizzuto (1), D.L. Vetrano (1,3), A.K. Welmer (1), B. Caracciolo (1), C. Mariani (2), L. Fratiglioni (1,4) - (1) Aging Research Center (ARC), Department of Neurobiology, Care Sciences and Society, Karolinska Institutet and Stockholm University, Stockholm, (Sweden) (2) Center for Research and Treatment on Cognitive Dysfunctions, Biomedical and Clinical Sciences Department, "Luigi Sacco" Hospital, University of Milan, (Italy) (3) Department of Geriatrics, Neurosciences and Orthopedics, Catholic University of Rome, (Italy) (4) Stockholm Gerontology Research Center, Stockholm, (Sweden)
- 4:30pm **OC45: Habitual dietary exposure of resveratrol and frailty syndrome in older age: the INCHIANTI study**
Montserrat Rabassa PhD (1), Raul Zamora-Ros, PhD (2), Mireia Urpi-Sarda, PhD (1), Stefania Bandinelli, MD (3), Luigi Ferrucci, MD, PhD (4), Antonio Cherubini, MD, PhD (5), Cristina Andres-Lacueva, PhD (1) - (1) Biomarkers and Nutrimetabolomics Laboratory, Department of Nutrition, Food Sciences and Gastronomy, Faculty of Pharmacy and Food Sciences, University of Barcelona, (Spain). (2) Unit of Nutrition and Cancer, Cancer Epidemiology Research Programme, Catalan Institute of Oncology, Bellvitge Biomedical Research Institute (IDIBELL), Barcelona, (Spain) (3) Geriatric Unit, Azienda Sanitaria Frenze, Florence, (Italy) (4) Clinical Research Branch, National Institute on Aging, NIH, Baltimore, Maryland, (USA) (5) Geriatrics and Emergency Care, Italian National Research Centre on Aging (INRCA), Ancona, (Italy)
- 4:45pm **OC46: Mitochondrial dysfunction as a driver for age related muscle decline and frailty syndrome: A clinical study comparing active versus pre-frail elderly**
Marcus P.J. van Diemen (1) Pénélope A. Andreux (2), Dongryeol Ryu (2), Maxime R. Heezen (1), Chris Rinsch (2), Geert Jan Groenenveld (1), Anurag Singh (2) - (1) Center for Human Drug Research, Zernikedreef 8, 2333 CL Leiden, (The Netherlands) (2) Amazentis SA, EPFL Innovation Park, Batiment C, CH 1015 Lausanne, (Switzerland)
- 5:00pm **OC47: Quantification of Intramuscular Adipose Tissue in Sarcopenia Using Magnetic Resonance Imaging Dixon Methods**
Alexandra Grimm MSc (1,2), Heiko Meyer, PhD (2), Mathias Nittka, PhD (2), Esther Raithel, PhD (2), Oliver Chaudry, MSc (1), Andreas Friedberger, MSc (1), Michael Uder, MD (3), Wolfgang Kemmler, PhD (1), Harald H. Quick, PhD (1,4,5), Klaus Engelke, PhD (1) - (1) Institute of Medical Physics, University Erlangen-Nuremberg, Erlangen, Germany - (2) Siemens Healthcare GmbH, Diagnostic Imaging, Magnetic Resonance, Product Definition & Innovation, Erlangen, Germany - (3) Institute of Radiology, University Hospital Erlangen, Erlangen, Germany - (4) Erwin L. Hahn Institute for Magnetic Resonance Imaging, University Duisburg-Essen, Essen, Germany - (5) High Field and Hybrid MR Imaging, University Hospital Essen, Essen, (Germany)
- 5:15pm **OC48: Incremental Prognostic Value of Muscle Mass in Older Adults Undergoing Transcatheter Aortic Valve Replacement**
Samuel Mamane MD (1), Louis Mullie MD (1), John Webb (2), Sandra Lauck MD (2), Nicolo Piazza MD (3), Giuseppe Martucci MD (3), Dae Kim MD (4), Jeffrey Popma MD (4), Marino Labinaz MD (5), Mark Peterson MD (6), Andrew Rassi MD (7), Amanda Trnkus MSc (9), Joelle Amir (8), Jeremie Garzon (8), Jose Morais MD (3), Jonathan Afilalo MD MSc (8,9), FRAILTY-AVR investigators - (1) Division of General Internal Medicine, McGill University, Montreal, Canada (2) St-Paul's Hospital, Vancouver, Canada (3) McGill University Health Centre, Montreal, Canada (4) Beth Israel Deaconess Medical Center, Boston, USA - (5) Ottawa Heart Institute, Ottawa, Canada (6) St-Michael's Hospital, Toronto, Canada (7) Massachusetts General Hospital, Boston, USA (8) Division of Cardiology, Jewish General Hospital, McGill University, Montreal, Canada (9) Division of Epidemiology, Jewish General Hospital, Montreal, (Canada)

PARALLEL SESSIONS **SARCOPENIA** • BALLROOM 2

5:30/6:30pm

SYMPOSIUM 12: DOES NUTRITION PLAY A ROLE IN THE PREVENTION AND MANAGEMENT OF SARCOPENIA? **Outcomes of an ESCEO Working Group under the auspices of WHO-EUGMS-IAGG-GARN and IOF**

Moderators : Roger Fielding (Boston, USA), René Rizzoli (Geneva, Switzerland)

- **Welcome and scope of the meeting**

Islene Araujo De Carvalho (Geneva, Switzerland)

- **Role of proteins**

Luc Van Loon (Maastricht, The Netherlands)

- **Role of calcium, dairy products and vitamin D**

Heike Bischoff-Ferrari (Zurich, Switzerland)

- **Role of other nutrients**

Yves Rolland (Toulouse, France)

- **Wrap-up**

Roger Fielding (Boston, USA)

8:30/9:00am ORAL COMMUNICATIONS

8:30am **OC49: Frailty Status Predicts Poor Outcomes in Older Adults Undergoing Screening Colonoscopy**
Nima Toosizadeh PhD (1,2,3); Sasha Taleban, MD (2,4); Yun Mei, BS(2); Todd Rabkin Golden, MSc(2); Marco Miramontes(2); Carmen Zaldizar(2); Jane Mohler; MPH, PhD(1,2,3) - (1) Division of Geriatrics, COM, General Internal Medicine and Palliative Medicine, University of Arizona, Tucson, AZ, (USA) (2) Arizona Center on Aging, COM, University of Arizona, Tucson, AZ, (USA) (3) Department of Bioengineering, COE, University of Arizona, Tucson, AZ, (USA) (4) Division of Gastroenterology & Hepatology, COM, University of Arizona, Tucson, AZ, (USA)

8:45am **OC50: Muscle Weakness and Physical Disability in Older Americans: Longitudinal Results from the Health and Retirement Study**
Kate Duchowny MPH (1), Mark Peterson, PhD (2), Philippa Clarke, PhD (1,3) (1) Department of Epidemiology, University of Michigan School of Public Health, Ann Arbor, MI (2) Department of Physical Medicine and Rehabilitation, University of Michigan, Ann Arbor, MI (3) Institute for Social Research, University of Michigan, Ann Arbor, MI (USA)

9:00/9:30am KEYNOTE 4: PROTEIN AND OTHER NUTRIENT INTERACTIONS WITH FRAILTY AND SARCOPENIA

Tommy Cederholm (Uppsala University, Sweden)

9:30/10:30am SYMPOSIUM 13: SARCOPENIA AND SPECIALISED NUTRITION: LATEST SCIENTIFIC EVIDENCE FOR IMPROVING CLINICAL AND FUNCTIONAL OUTCOMES

Moderator: Ricardo Rueda, MD, PhD Global Head Mobility & Metabolism Platform Early Science and Head of Nutrition Science EMEA Region, Abbott Nutrition, (Granada, Spain)

10:30/11:00am COFFEE BREAK • POSTER SESSION

11:00/11:30am KEYNOTE 5: OVERVIEW OF SARCOPENIA DEFINITIONS

Alfonso Cruz-Jentoft (Madrid, Spain)

11:30/1:00pm ORAL COMMUNICATIONS

11:30am **OC51: Mediterranean diet and risk of frailty syndrome among women with type 2 diabetes**
Esther Lopez-García (1,2); Kaitlin Hagan (3,4); Teresa T Fung (5,6); ; Frank B Hu (3, 6); Fernando Rodríguez-Artalejo (1,2) - (1) Department of Preventive Medicine and Public Health, School of Medicine, Universidad Autónoma de Madrid-IdiPaz, Madrid, Spain. (2) CIBERESP (CIBER of Epidemiology and Public Health), Madrid, Spain. (3) Channing Division of Network Medicine, Department of Medicine, Brigham & Women's Hospital and Harvard Medical School, Boston, MA, USA. (4) Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA, USA. (5) Department of Nutrition, Simmons College, Boston, MA, USA. (6) Department of Nutrition, Harvard T.H. Chan School of Public Health, Boston, MA, USA

11:45am **OC52: Single fiber jitter level reflects decline in motor function with aging**
Tae Chung MD (1,3); Jeremy Walston, MD(2); Ahmet Hoke MD, PhD(3) - (1) Department of Physical Medicine and Rehabilitation, Johns Hopkins University (2) Geriatric Medicine Division, Department of Medicine, Johns Hopkins University (3) Neuromuscular Division, Department of Neurology, Johns Hopkins University (USA)

12:00am **OC53: Predictors of discrepancy in frailty identification between the two most commonly used frailty assessment tools?**
Qian-Li Xue PhD (1,2), Jeremy D Walston, MD (1,2), Jing Tian, MS (3,2), Karen Bandeen-Roche, PhD (3,2) - (1) Division of Geriatric Medicine and Gerontology, Department of Medicine, Johns Hopkins University, Baltimore, MD, USA (2) Center on Aging and Health, Johns Hopkins Medical Institutions, Baltimore, MD, USA (3) Department of Biostatistics, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, (USA)

12:15am **OC54: The impact of dietary protein or amino acid supplementation on muscle mass and strength in elderly people: Individual participant data and meta-analysis of RCT's**
Michael Tieland PhD (1), Rinske Franssen, MSc(1, 2), Carla Dullemeijer, PhD (1), Carliene van Dronkelaar, MSc (3), Hun Kyung Kim, PhD (4), Theocharis Ispoglou, PhD (5), Kun Zhu, PhD (6), Richard L Prince, PhD(6), Luc J.C. van Loon, PhD (2), Lisette C.P.G.M. de Groot, PhD (1) - (1) Division of Human Nutrition, Wageningen University, Wageningen, the Netherlands; (2) NUTRIM School for Nutrition, Toxicology and Metabolism, Maastricht University Medical Centre+, Maastricht, the Netherlands; (3) Department of Nutrition & Dietetics, School of Sports and Nutrition, Amsterdam University of Applied Sciences, Amsterdam, The Netherlands; (4) Research Team for Promoting Independence of the Elderly, Tokyo Metropolitan Institute of Gerontology, Tokyo, Japan; (5) Carnegie Faculty, School of Sport, Leeds Beckett University, Leeds, UK; (6) School of Medicine and Pharmacology, University of Western Australia, Perth, (Australia)

12:30am **OC55: Influence of beef protein intake and hand grip strength on muscle strength and cross sectional area in middle aged-women**
Sherri N Stastny PhD, RD, CSSD, LRD, Christopher J Kotarsky, MS, CSCS, Kyle J Hackney, PhD, CSCS, Rachel Iverson, North Dakota State University, Fargo, ND, (USA)

12:45am **OC56: Automated Assessment of Muscle Attenuation and Cross-Sectional Area using Computed Tomography (CT): Development and Initial Validation of a New Tool for Large Scale Image Analytics**
Leon Lenchik MD (1), Robert D. Boutin, MD (2), Ryan T. Barnard MS (3), Barton L. Wise, MD (4), Stephen B. Kritchevsky, PhD (5), Caroline Chiles, MD(1), Ashley A. Weaver PhD (6), Joel D. Stitzel, PhD (6) (1) Department of Radiology, Wake Forest School of Medicine, Winston-Salem, USA (2) Department of Radiology, University of California, Davis School of Medicine, Sacramento, USA (3) Division of Public Health Sciences, Wake Forest School of Medicine, Winston-Salem, USA (4) Departments of Orthopaedics and Internal Medicine, University of California, Davis School of Medicine, Sacramento, USA (5) Department of Internal Medicine, Wake Forest School of Medicine, Winston-Salem, USA (6) Department of Biomedical Engineering, Wake Forest School of Medicine, Winston-Salem, (USA)

- P1 Extramammary Paget's disease: a tough challenge for geriatricians**
Zulfiqar Abrar-Ahmad M.D, (1) El Adli Assia, M.D, (2) - (1) Department of Internal Medicine and Geriatrics, University Hospital of Rouen, Rouen, France, (2) Department of Emergency Unit, University Hospital of Reims, Reims, (France)
- P2 Demystifying the Anabolic Resistance in the critically ill patient**
Eleni Pellazgu, Atlantic Health System, Morristown, (USA)
- P3 Social activities are associated with cognitive frailty in older Koreans**
DaeHyun Kim, MD, PhD (1), Hidenori Arai, MD, PhD (2), SungHi Kim, MD, PhD (3) - (1) Geriatric clinic, Keimyung University Dongsan Medical Center, Daegu, Korea (2) National Center for Geriatrics and Gerontology, Obu, Aichi, Japan (3) Daegu Catholic University, Daegu, (Korea)
- P4 Application of a Comprehensive Geriatric Assessment demonstrates high prevalence of Age-associated impairments in older adults referred to the Catheterization Laboratory**
Jorge A. Brenes-Salazar, (1) MD, Amrit Kanwar BS(3), Michael Gharacholou MD(1), Daniel J. Crusan(2) MS, Ryan J. Lennon (2) MS, Gurpreet Sandhu MD¹, Rajeev Gulati MD(1), Mandeep Singh(1) MD, MPH (1) Department of Medicine, Division of Cardiovascular Diseases, Mayo Clinic Rochester MN (2) Department of Biostatistics, Mayo (USA)
- P5 Frailty in 65 plus people: A cross-sectional study from Antalya, Turkey**
Opuz N MD (1), Yaman H, MD, MS (1) (1) Akdeniz University, Faculty of Medicine, Department of Family Medicine, Antalya, (Turkey)
- P6 Correlation between bone and glucide metabolism depending on the nutritional status in diabetic patients**
Simone Alfieri MD (1) Endocrinology Department, Campus Biomedico Rome, Italy (2) Endocrinology Department, Policlinico Gemelli Rome, (Italy)
- P7 Influence of functional capacity on frailty transition in community-dwelling elderly: a longitudinal study**
Silvia Lanzioti Azevedo da Silva PhD (1), Joana Ude Viana, PhD (2), Álvaro Campos Cavalcanti Maciel, PhD (3), Marcela Guimaraes Assis, PhD (4), Leani Souza Máximo Pereira, PhD (5), João Marcos Domingues Dias, PhD (5); Rosângela Corrêa Dias, PhD (5). (1) Adjunct professor, Federal University of Alfenas, Alfenas, MG, Brazil; (2) Physical Therapist, PhD in Rehabilitation Science Program of Federal University of Minas Gerais, Belo Horizonte, MG, Brazil; (3) Associate professor, Federal University of Rio Grande do Norte, Natal, RN, Brazil; (4) Full professor, Federal University of Minas Gerais, Belo Horizonte, MG, Brazil (5) Associate professor, Federal University of Minas Gerais, Belo Horizonte, MG, (Brazil)
- P8 Frailty and the downward spiral of energy: a doubly labeled water study**
Alessandra de Carvalho Bastone PT, PhD (1), Eduardo Ferrioli, MD, PhD (2), Karina Primer, NT, PhD (2), Karina Simone de Souza Vasconcelos, PT, PhD (3), Bruno de Souza Moreira, PT, MSc (3), João Marcos Domingues Dias, PT, PhD (3), Rosângela Corrêa Dias, PT, PhD (3)-(1) Department of Physical Therapy, UFVJM, Brazil. (2) Department of Internal Medicine, School of Medicine of Ribeirão Preto, USP, Brazil. (3) Postgraduate Program in Rehabilitation Sciences, UFGM, (Brazil)
- P9 Influence of frailty on pain, disability and quality of life in older adults with acute low back pain: results from the Back Complaints in the Elders (BACE) Brazil study**
 Amanda Aparecida Oliveira Leopoldino, PT, PhD (1), **Alessandra de Carvalho Bastone**, PT, PhD (2), Rodrigo Zunzarren Megale, MD, MSc (1,3), Juliano Bergamaschine Mata Diz, PT, MSc (4), Bruno de Souza Moreira, PT, MSc (4), Diogo Carvalho Felício, PT, PhD (5), Leani Souza Máximo Pereira, PT, PhD (4), Rosângela Corrêa Dias, PT, PhD (4), Manuela Loureiro Ferreira, PT, PhD (1,3)-(1) Institute of Bone and Joint Research, The Kolling Institute, USyd, Australia. (2) Department of Physical Therapy, UFVJM, Brazil. (3) The George Institute for Global Health, USyd, Australia. (4) Postgraduate Program in Rehabilitation Sciences, UFGM, Brazil. (5) Department of Physical Therapy, UFJF, (Brazil)
- P10 Comparison of sarcopenia prevalence by assessing muscle mass alone and muscle mass plus muscle strength and/or physical performance: meta-analysis of Brazilian studies**
 Juliano Bergamaschine Mata Diz, PT, MSc (1), Bruno de Souza Moreira, PT, MSc (1), Amanda Aparecida Oliveira Leopoldino, PT, PhD (1), **Alessandra de Carvalho Bastone** PT, PhD (2), Nicholas Henschke, PT, PhD(3), Leani Souza Máximo Pereira, PT, PhD(1), Virícius Cunha Oliveira, PT, PhD(2) (1) Postgraduate Program in Rehabilitation Sciences, UFGM, Brazil. (2) Physical Therapy Department, UFVJM, Brazil. (3) Institute of Public Health, University of Heidelberg, UHEI, (Germany)
- P11 Anemia and frailty in the elderly hospitalized in an acute unit: Preliminary results**
Abrar-Ahmad Zulfiqar, MD (1), Xavier Sui Seng, (1), Andre Gillibert, MSc (2), Nadir Kadri, MD (1), Jean Doucet, MD, PhD (1), Emmanuel Andres, MD, PhD(3) - (1) Geriatric Department, University Hospital of Rouen, France (2) Pharmacovigilance Unit, University Hospital of Rouen, France (3) Internal Medicine Unit, University Hospital of Strasbourg, (France)
- P12 Medication adherence and frailty among elderly outpatients with chronic heart failure**
Larina V.N Chukaeva I.I., Karpenko D.G. The Russian National Research Medical University named after N.I. Pirogov, Moscow, (Russian Federation)
- P13 ITP in the elderly over 75 years: Epidemiological, clinical, biological and therapeutics characteristics. About a retrospective study.**
Abrar-Ahmad Zulfiqar, M.D (1), Nadir Kadri, M.D (1), Jean Doucet, M.D, Ph.D (1), Emmanuel Andres, M.D, Ph.D (2) (1), Geriatric Unit, University Hospital of Rouen, France-(2), Internal Medicine, University Hospital of Strasbourg, France
- P14 Screening for frailty and sarcopenia amongst Older Persons in Medical outpatient clinics and its associations with healthcare Burden**
Le Feng Tan (1), Zhen Yu Lim (2), Rcahel Chloe (3) santosh Seetharaman (1) Reshma Merchant (1) - (1) Division on geriatric medicine National university Hospital (Singapore) - (2) Department of Medicine, National university Hospital (Singapore) (3) Yong Loo Lin School of Medicine National university Hospital (Singapore)
- P15 Physical activity, frailty and elderly: Prospective and observational study over a period of 3 months. Preliminary results**
Abrar-Ahmad Zulfiqar, MD (1), Habib Habchi, (2), Moustapha Dramé, M.D, Ph.D (3), Andre Gillibert, MSc (4), Nadir Kadri, MD (1), Jean Doucet, MD, PhD(1) - (1) Geriatric Department, University Hospital of Rouen, France (2) Emergency Unit, Hospital of Chaumont, France (3) Research and Innovation center, methodological support unit (4) Pharmacovigilance Unit, University Hospital of Rouen, (France)
- P16 Relationship between Dietary Pattern and Moderate Frailty Syndrome in Elderly**
Amirmansour Alavi Naeini Isfahan University of Medical Sciences(UMI), Isfahan - Nutrition and food Science Faculty, Isfahan University of Medical Sciences(UMI), Isfahan - (Iran)
- P17 Correlation between bone and glucide metabolism depending on the nutritional status in diabetic patients**
Simone Alfieri MD Endocrinology Department, Biomedical Campus, Rome Diabetology Department, Gemelli Hospital, Rome (Italy)
- P18 Segment Elevation Myocardial Infarction (STEMI) in the elderly over 75 years: retrospective study in a general hospital**
Abrar-Ahmad Zulfiqar, Marphy Kerif, M.D (2), Nadir Kadri, MD (1), Jean Doucet, MD, PhD (1) - (1) Geriatric Department, University Hospital of Rouen, France (2) Emergency Unit, Hospital of Troyes, (France)
- P19 Frailty Assessment for Predicting Readmission and Discharge Disposition among Chronic Obstructive Pulmonary Disease (COPD) Patients**
Nima Toosizadeh PhD (1,2,3,4); Lailah Ghazala, MD(2,4); Todd Rabkin Golden, MSc (2); Cristine Berry, MD (2,5); Yun Mei, BS (2); Marco Miramontes (2); Carmen Zaldizar (2); Jane Mohler, MPH, PhD(1,2,3,4) (1) Division of Geriatrics, COM, General Internal Medicine and Palliative Medicine, University of Arizona, Tucson, AZ, USA (2) Arizona Center on Aging, COM, University of Arizona, Tucson, AZ, USA (3) Department of Bioengineering, COE, University of Arizona, Tucson, AZ, USA (4) Department of Medicine, University of Arizona, Tucson, AZ, USA (5) Pulmonary, Allergy, Critical Care, & Sleep Medicine, Department of Medicine, COM, University of Arizona, Tucson, (USA.)
- P20 Ferritin: a new potential biomarker for insulin resistance and dyslipemia risk in healthy obese postmenopausal women**
Meziani A (1,2,3); Noirez P (1,2,3); Karelis AD (2,3,4), Aubertin-Leheudre M (2,3,4) (1) Université Paris Descartes, INSERM UMR-S 1124, Paris, France. (2) UQAM, Faculté des sciences, Département des sciences de l'activité physique, Montréal, Canada (Qc). (3) Groupe de recherche en activité physique adapté (GRAPA), Montréal, Canada (Qc). (4) Centre de recherche de l'institut universitaire de gériatrie de Montréal (CRIUGM), Montréal, (Canada)
- P21 Pain and frailty in elderly women with osteoporosis**
Gamze Ünver MD (1), Sevgisun Kapucu, MD, PhD (2) (1) Faculty of Nursing, Hacettepe University, Turkey (2) Faculty of Nursing, Hacettepe University, (Turkey)
- P22 Association between use of the Public Health Service and Frailty in Brazilian community-dwelling elderly**
Silvia Lanzioti Azevedo da Silva PhD (1), Joana Ude Viana, PhD (2), Maria Jaqueline Pereira, Student (3), Vanessa Carvalho Leite Gama Rocha, Master Student (4), Daniele Sirineu Pereira, PhD (1) (1) Adjunct professor, Federal University of Alfenas, Alfenas, MG, Brazil; (2) Physical Therapist, PhD in Rehabilitation Science Program of Federal University of Minas Gerais, Belo Horizonte, MG, Brazil; (3) Physiotherapy Student, Federal University of Alfenas, Alfenas, MG, Brazil; (4) Physical Therapist, Master Student in Rehabilitation Science Program of Federal University of Alfenas, Alfenas, MG, (Brazil)
- P23 General practitioner's clinical impression in the screening for frailty: data from FAP study pilot**
Bertrand Fougère (a,b), Marie-Josée Sirois (c), Pierre-Hugues Carmichael (c), Brice-Lionel Batomen-Kuimi (c), Bruno Chicoulaa (d), Emile Escourrou (d), Fati Nourhashemi (a,b), Stéphane Oustric (b,d), Bruno Vellas (a,b) and FAP group - (a) Gérontopôle, Centre Hospitalier Universitaire de Toulouse, Toulouse, France (b) Inserm UMR1027, Université de Toulouse III Paul Sabatier, Toulouse, France (c) Centre d'Excellence sur le Vieillessement de Québec, Québec, Canada (d) Département Universitaire de Médecine Générale, Université de Toulouse III Paul Sabatier, (France)
- P24 Association between serum uric acid concentrations and grip strength: is there effect modification by age?**
Esther García-Esquinas, MD, PhD (1), Fernando Rodríguez-Artalejo MD, PhD (1) - (1) Department of Preventive Medicine and Public Health, Universidad Autónoma de Madrid/ IdiPaz and CIBERESP, (Spain)
- P25 Television viewing time as a risk factor for frailty and functional limitations in older adults**
Esther García-Esquinas, MD, PhD (1), Elena Andrade, BN (1), David Martínez-Gómez PhD (2), Félix Caballero PhD (3), Esther López García PhD (1), Fernando Rodríguez-Artalejo MD, PhD(1) - (1) Department of Preventive Medicine and Public Health, Universidad Autónoma de Madrid/ IdiPaz and CIBERESP, Spain. (2) Faculty of Teacher Training and Education, UAM, Spain. (3) Department of Psychiatry, Universidad Autónoma de Madrid and CIBERSAM, (Spain)
- P26 Risk Factors Of Sarcopenia In Chinese Elderly Adults In Beijing, Shanghai And Chengdu**
Yi Guo Wei Chen, MD (2), Sheng Ge, MD (3), Birong Dong, MD (4), Xianfeng Zhao, PhD (1) (1) Abbott Nutrition Research and Development, Shanghai, China (2) Peking Union Medical College Hospital, Beijing, China (3) The Sixth People's Hospital Affiliated Shanghai Jiaotong University, Shanghai, China (4) West China Hospital, Chengdu, China
- P27 Baseline Body Mass Index and Physical Activity Predicts 2-years Sarcopenia Progression in Community Dwelling Older adults : The GERI-LABS study**
Wee-Shiong Lim (1) Laura Tay (2) Yew-Yoong Ding (1), Audrey Yeo (1) Suzanne Yew (1) Noor Hafizah (1), Bernard Leung (3), Mei-Sian Chong (1) - (1) Tan tok Seng Hospital, Singapore (2) Sengkang Hospital Singapore, Singapore Institute of Technologie, (Singapore)
- P28 Biopsychosocial factors associated with frailty occurrence in community-dwelling older adults**
 Carla M. C. Nascimento, PhD (1), Marisa S. Zazzetta, PhD (1), Grace A. O. Gomes, PhD (1), Fabiana S. Orlandi, PhD (1), Karina Gramani-Say, PhD (1), Fernando A. Vasílceac, PhD (1), Aline C. M. Grataô, PhD (1), Sofia C. I. Parvini, PhD (1), **Marcia R. Cominetti** PhD (1) - (1) Federal University of São Carlos, São Carlos, SP, (Brazil)

- P29 Factors associated with fear of falling in community-dwelling older adults with and without diabetes mellitus: findings from the Frailty in Brazilian Older People Study (FIBRA-BR)**
Bruno de Souza Moreira PT, PhD (1), Rosana Ferreira Sampaio, PT, PhD (1), Juliano Bergamaschine Mata Diz, PT, MSc (1), Alessandra de Carvalho Bastone, PT, PhD (2), Eduardo Ferrioli, MD, PhD (3), Anita Liberalesso Neri, Psy, PhD(4), Roberto Alves Lourenço, MD, PhD (5), Rosângela Corrêa Dias, PT, PhD (1), Renata Noce Kirkwood, PT, PhD (1) (1) Graduate Program in Rehabilitation Science, Universidade Federal de Minas Gerais, Brazil (2) Physical Therapy Department, Universidade Federal dos Vales do Jequitinhonha e Mucuri, Brazil (3) Internal Medicine Department, Universidade de São Paulo, Brazil (4) Graduate Program in Gerontology, Universidade Estadual de Campinas, Brazil (5) Internal Medicine Department, Universidade do Estado do Rio de Janeiro, (Brazil)
- P30 Target and biomarker identification platform to design new drugs against aging and age-related diseases**
Kristina Khodova, Peter Fedichev, Ph.D Gero Limited, Moscow (Russia)
- P31 Comprehensive and multidisciplinary assessment of HIV-infected population aged 60 years or older. Over60 cohort**
Eugénia Negredo (1,2) Patricia Echeverría (1), Jordi Puig (1), Anna Bonjoch (1), Jose A. Muñoz-Moreno (1), Begonia Lemos (1), Carla Estany (1), Bonaventura Clotet (1, 2, 3.) (1)Fundació de la Lluita contra la Sída, Hospital Universitari Germans Trias i Pujol, Badalona, Spain; Universitat Autònoma de Barcelona, Barcelona, Spain (2) Universitat de Vic-Universitat Central de Catalunya, Vic, Barcelona, Spain (3) Fundació Iriscaixa, Hospital Universitari Germans Trias i Pujol, Badalona, (Spain)
- P32 Characteristics of age-related skeletal muscle decline and cognitive impairment in mouse : Influence of vascular inflammation**
Tsuyoshi Hashizume MD, Bo-Kyung Son, PhD, Michiko Nanao-Hamai, MD, Sumito Ogawa, MD, PhD, Masahiro Akshita, MD, PhD - Department of Geriatric Medicine, Graduate School of Medicine, University of Tokyo, Tokyo, (Japan)
- P33 Skeletal muscle and hormonal status in older women**
Vladyslav Povorozyuk, Nataliia Dzerovych, Tetiana Solonenko, Olena Vdovina Sl «D.F. Chebotarev Institute of Gerontology NAMS of Ukraine», Kyiv, (Ukraine)
- P34 Skeletal muscle and vitamin D level in women of various ages**
Vladyslav Povorozyuk, Nataliia Dzerovych, Tetiana Solonenko, Olena Vdovina Sl «D.F. Chebotarev Institute of Gerontology NAMS of Ukraine», Kyiv, (Ukraine)
- P35 Frailty in older adults with amnesic mild cognitive impairment due to AD: a comparison of two models of frailty characterization**
Natalia O. C. Cezar MS (1), Rafael Izbiicki, MS, PhD (2), Diego Cardoso BS (2), Leandro Valiengo, MD, MS (1), Joice G. Almeida, MS (1), Marina V.Z. Camargo, MS (1), Orestes V. Forlenza, MD, MS, PhD(1), Monica S. Yassuda, MS, PhD (3,4), Ivan Arahamian, MD, MS, PhD(1,5) - (1) Laboratory of Neuroscience LIM-27, Institute and Department of Psychiatry, Faculty of Medicine, University of São Paulo, São Paulo, Brazil; (2) Department of Statistics, Federal University of São Carlos (UFSCar), State of São Paulo, Brazil; (3) Department of Neurology, Faculty of Medicine, University of São Paulo, São Paulo, Brazil; (4) School of Arts, Sciences and Humanities, University of São Paulo, São Paulo, Brazil; (5) Department of Internal Medicine, Faculty of Medicine of Jundiaí, State of São Paulo, (Brazil)
- P36 Subjective sleep quality in sarcopenic versus non-sarcopenic older adults from the SarcoPhAge cohort**
Médéa Loquet PhD Candidate (1), Charlotte Beaudart, PhD (1), Laura Delandshere (1), Jean-Yves Reginster, MD, PhD (1), Olivier Bruyère, PhD (1) - (1)Department of Public Health, Epidemiology and Health Economics, University of Liège, (Belgium)
- P37 TWO-WAY Bridge between muscular dysfunction and cognitive impairment: Secondary analysis of SABE – Bogota study**
Elkin García-Cifuentes (1,2) David Gabriel David-Pardo (1,2), Miguel Germán Borda (1,2,3), Mario Ulises Perez-Zepeda (1,4), Carlos Alberto Cano (1,2,3) - (1) Semillero de Neurociencias y envejecimiento, Facultad de Medicina, Pontificia Universidad Javeriana, Bogotá, Colombia. (2) Facultad de Medicina, Instituto de Envejecimiento, Pontificia Universidad Javeriana, Carrera 7 # 40-62, Hospital Universitario San Ignacio, Piso 8, Bogotá, Colombia (3)Unidad de Geriatria, Hospital Universitario San Ignacio, Bogotá, Colombia (4)Department of epidemiologic research on Geriatrics, National Institute of geriatrics, (Mexico)
- P38 Overweight in elderly people induces mitochondrial dysfunction and changes cellular energy capacities**
Yaiza Potes MSc (1); Manuel Bermúdez, MD (2); Vicente del Moral, MD (2); Ignacio Vega-Naredo, PhD (1); Juan José Solano, MD (2); Ana Coto-Montes, PhD(1) - (1) Department of Cell Biology and Morphology, University of Oviedo. (2) Geriatric Service, Monte Naranco Hospital. Members of Research team: cellular Response to Oxidative Stress (cROS) (Spain)
- P39 Fragile concordance between frailty measures**
Thomas Dale MacLaine (1), Oliver Baker (2), Laura Graham (1), Rebecca Anthony (3), Alwyn Kotze (3), Dermot Burke (1, 3), Simon J Howell (1, 3) - (1) Leeds Institute of Biological and Clinical Sciences, University of Leeds, Leeds, UK (2) University of Leeds Medical School, Leeds, UK (3) Leeds Teaching Hospital Trust, Leeds, (UK)
- P40 ESPEN Malnutrition Consensus and biomarkers: Do they have prognostic value in post-acute care?**
Dolores Sánchez-Rodríguez, MD, PhD (1,2,3,4), Ester Marco, MD, PhD (2,3,4,5,6), Emilio Casanovas-Añena, NP(1,3), Olga Vázquez-Ibar, MD, PhD (1,3,4), Ramón Miralles, MD, PhD (1,3), Ferran Escalada Recto, MD, PhD (2,3,5), Josep M. Muniesa, MD, PhD (2,3,5) - (1) Geriatrics Department, Parc Salut Mar (PSMAR), Barcelona, Spain (2) Hospital del Mar Medical Research Institute (IMIM), Barcelona, Spain (3) School of Medicine, Universitat Autònoma, Barcelona, Spain (4) School of Medicine, Universitat Pompeu Fabra, Barcelona, Spain (5) Physical Medicine and Rehabilitation Department, Parc Salut Mar, Barcelona, Spain. (6) Universitat Internacional de Catalunya (UIC), Barcelona, (Spain)
- P41 Identifying Frailty among Outpatient Falls Clinic attendees in a District General Hospital using Fried frailty phenotype model vs PRISMA7 & TUAG (Timed up and Go)**
R Impson (1) (Specialist Physiotherapist) Dr S.Awais (1) Dr TShawis (1) - (1) Colchester Hospital University Foundation Trust, Colchester, Essex, England (UK)
- P42 Effectiveness of the interventions in preventing or reducing frailty in older adults – evidence based review**
João Apóstolo RN, PhD (1), **Elzbieta Bobrowicz-Campos** PhD (1), Richard Cooke PhD (2), Silvina Santana PhD (3), Maura Marcucci MD, MSc (4-5), Antonio Cano MD PhD (6), Miriam Vollenbroek-Hutten PhD (7), Federico Gemini, MD (5), Barbara D'Avanzo, PhD (8), Holly Gwyther, PhD (2), Carol Holland PhD (2) - (1) Health Sciences Research Unit: Nursing, Nursing School of Coimbra, The Portugal Centre for Evidence-Based Practice: a Joanna Briggs Institute Centre of Excellence, Portugal (2) Aston Research Centre for Healthy Ageing (ARCHA), Aston University, Birmingham, UK. (3) Department of Economics, Management and Industrial Engineering, University of Aveiro, Portugal (4) Geriatric Unit, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy (5) Dept. of Clinical Science and Community Health, University of Milan, Milan, Italy (6) Department Of Paediatrics, Obstetrics, And Gynaecology, Universitat de València, Spain (7) University of Twente, Telemedicine group, Eschedede, The Netherland and Ziekenhuisgroep Twente, Almelo, The Netherlands (8) IRCCS Istituto di Ricerche Farmacologiche Mario Negri, Milan, (Italy)
- P43 Intake of B vitamins and impairment in physical function in older adults**
 Ellen A. Struijk, PhD (1), Alberto Lana, PhD (2), Pilar Guallar-Castillon, PhD (1), Fernando Rodríguez-Artalejo, PhD (1), **Esther Lopez-García**, PhD(1) - (1) Department of Preventive Medicine and Public Health. School of Medicine. Universidad Autónoma de Madrid-IdiPaz; and CIBERESP (CIBER of Epidemiology and Public Health), Madrid, Spain. (2) Department of Medicine. Preventive Medicine and Public Health Area. School of Medicine and Health Sciences. Universidad de Oviedo, (Spain)
- P44 Serum leptin concentration is associated with incident frailty in older adults**
 Alberto Lana PhD (1,2); Ana Valdés-Bécares BS (1); Antonio Buño PhD (3); Fernando Rodríguez-Artalejo PhD (2); **Esther Lopez-García**, PhD (2) - (1)Department of Medicine. Preventive Medicine and Public Health Area. School of Medicine and Health Sciences. Universidad de Oviedo. Avda. Julián Clavería s/n. 33006, Oviedo (Spain). (2)Department of Preventive Medicine and Public Health. School of Medicine. Universidad Autónoma de Madrid; IdiPaz (Instituto de Investigación Sanitaria Hospital Universitario La Paz); and CIBERESP (CIBER of Epidemiology and Public Health), C/Arzobispo Morcillo, 4, 28029. Madrid (Spain). (3) Department of Laboratory Medicine, La Paz University Hospital. Paseo de la Castellana, 261, 28046, Madrid (Spain).
- P45 Effect of a hospital exercise program on the functional status of older adults aged ≥ 75 years**
Natalia Bustamante-Ara PhD (1-2), José Antonio Serra-Rexach, MD (3), Alejandro Lucia (1), Maite Vidán, MD (3), Maribel Valades (3), Javier Ortiz, MD (3) (1) European University of Madrid, Spain (2) Public Health Department, Pontificia Universidad Católica de Chile-ACCDIS, Chile (3) Geriatrics Department, Hospital General Universitario Gregorio Marañón, (Spain)
- P46 Sarcopenia and falls risk: a physiological profile approach**
Jessica A Pires(1), **Thais P Silva**(1), **Silvia AL Silva**, PhD (2), Beatriz Silveira (1), Maria P Volpato (1), Camilla C Oliveira (1), Isabela C Canale (1), Dayane O Estevam (3), Laise S Xavier (4), Leani SM Pereira, PhD (5), Daniele S Pereira, PhD (2) Physiotherapy Student, Federal University of Alfenas, Alfenas, MG, Brazil; (2) Adjunct professor, Federal University of Alfenas, Alfenas, MG, Brazil; (3) Physical Therapist, Master Student in Rehabilitation Science Program of Federal University of Alfenas, Alfenas, MG, Brazil (4) Physical Therapist, Master Student in Biosciences Program of Federal University of Alfenas, Alfenas, MG, Brazil Associate professor, Federal University of Minas Gerais, Belo Horizonte, MG, (Brazil)
- P47 Frailty and falls risk in elderly people living in the community**
Thais P Silva (1), **Jessica A Pires** (1), **Silvia AL Silva**, PhD (2), Beatriz Silveira (1), Maria P Volpato (1), Camilla C Oliveira (1), Isabela C Canale (1), Dayane O Estevam (3), Laise S Xavier (4), Leani SM Pereira PhD (5), Daniele S Pereira, PhD (2) Physiotherapy Student, Federal University of Alfenas, Alfenas, MG, Brazil; (2) Adjunct professor, Federal University of Alfenas, Alfenas, MG, Brazil; (3) Physical Therapist, Master Student in Rehabilitation Science Program of Federal University of Alfenas, Alfenas, MG, Brazil (4) Physical Therapist, Master Student in Biosciences Program of Federal University of Alfenas, Alfenas, MG, Brazil Associate professor, Federal University of Minas Gerais, Belo Horizonte, MG, (Brazil)
- P48 Physical Status and Frailty Index in Nursing Home Residents: Results from the INCUR Study**
Tabue-Teguou Maturin, Dattignes Jean-François, Simo Nadine, Kuate-Teguou Calixte, Vellas Bruno, Cesari Matteo. (1) Centre Hospitalier de Villeneuve-sur-Lot (2) Centre INSERM U 1219 (3) ISPED, Université de Bordeaux (4) Université de Yaoundé (5) Gérontopôle CHU de Toulouse (6) UMR 1027 INSERM, Université Toulouse 3 (France)
- P49 Greater grip strength correlates with lower risk of nonalcoholic fatty liver disease**
Guaraldi G MD (1), Malagoli A PhD (1), Nascimbeni F MD (2), Lonardo A MD (3), Sartini S MD (4), Mancini M OT (1), Besutti G MD (2), Ligabue G MD (2), Menozzi M MD (1), Silva AR MD (6), Mussini C MD (1), Palella F MD (3) - (1) Infectious Disease Clinic, University of Modena and Reggio Emilia, Italy (2) Geriatrics Division, University of Modena and Reggio Emilia, Italy (3) Metabolic Medicine Clinic, University of Modena and Reggio Emilia, Italy (4) Physiatrics Division, University of Modena and Reggio Emilia, Italy (5) Radiology, University of Modena and Reggio Emilia, Italy (6) Infectious Disease Department, Hospital Beatriz Angelo, Loures, Portugal (7) Department of Medicine, Northwestern University Feinberg School of Medicine, Chicago, Illinois, (USA)
- P50 Effects of a chronic stretching protocol in the soleus muscle histomorphometry of aged female rats**
Kátia Janine Veiga Massenz (a), Ana Flávia Schewtschik (a), Hilana Rickli Fuza Martins (b), Msc(2), Anna Raquel Silveira Gomes, PhD (c), Ana Paula Cunha Loureiro (d), Daniele Moro Santana (e), Talita Gianello Gnoato Zotz, PhD(c). - (a)Academic, Pontifical Catholic University of the State of Paraná (PUCPR) - Physioterapy Department, (b) Master, State University of the Central West (UNICENTRO) - Physioterapy Department, (c) Federal University of the State of Paraná (UFPR) - Prevention and Rehabilitation Physioterapy Department. (d) Master, Pontifical Catholic University of the State of Paraná (PUCPR) - Physioterapy Department, (e)Academic, Pontifical Catholic University of the State of Paraná (PUCPR) - Veterinary Medicine Department.(Brazil)
- P51 Identification of mouse models to study frailty**
Ander Matheu (1), Estefanía Carrasco-García (1), Leire Moreno-Cuñon (1), Manuel Moreno (1), Ander Izeta (2) - (1)Cellular oncology group, Biodonostia Institute, Paseo Dr. Beguiristain s/n, San Sebastian, Spain (2) Tissue Engineering Laboratory, Biodonostia Institute, Paseo Dr. Beguiristain s/n, San Sebastian, (Spain)
- P52 The Usefulness of Lower Leg Muscle Ultrasonography as a Diagnostic Method of Sarcopenia**
Ken Sugimoto MD, PhD(1), Masasaki Isaka, PhD (1), Hiroshi Akasaki, MD, PhD (1), Taku Fujimoto, MD (1), Koichi Tachibana, MD (1), Yasushi Takeya, MD, PhD (1), Koichi Yamamoto, MD, PhD (1), Hiromi Rakugi, MD, PhD (1) - (1)- Geriatric Medicine, Osaka University Graduate School of Medicine, Osaka, (Japan)

- P53 Risk assessment of falls in the elderly patients, treated in the Geriatrics department**
Jurgita Knasiene MD (1) Karolis Jurgelaitis, MD (2) Gabriele Legotaite, MD (3) - (1) Geriatric Department, Lithuanian University of Health Sciences (2) Department of Orthopaedics and Traumatology, Lithuanian University of Health Sciences (3) Department of Internal Medicine, Lithuanian University of Health Sciences (Lithuania)
- P54 Characterization of molecular profile of sarcopenia in osteoporotic and osteoarthritic patients**
Jacopo Baldi Department of Orthopedics and Traumatology, University of Rome "Tor Vergata" Rome (Italy)
- P55 The expression and relationships between physical and cognitive capacities influencing the falls risk of elderly persons**
Jurgita Knasiene MD (1), Viktorija Piscalkiene PhD (2), Edgaras Lapinskas MA (2), Laura Rutkauskienė MA (2), I. Kryviene MA (2) - (1) Geriatric Department, Lithuanian University of Health Sciences (2) Kauno kolegija, University of Applied Sciences (Lithuania)
- P56 Exercise-based interventions to limit functional losses in pre-frail seniors with minor injuries**
Marie-Josée Sirois PhD (1), Dominic Martel MSc (2), Laurence Fruteau de Ladoc Phd (1), Mylène Aubertin-Leheudre PhD (2), Marcel Émond MD, MSc (1), Raoul Daoust, MD, MSc (3). (1). Centre d'excellence sur le Vieillessement de Québec, Université Laval, (2). Université du Québec à Montréal, (3). Hôpital du Sacré-Coeur de Montréal (Canada)
- P57 Frailty assessment to help predict patients at risk of ED-induced delirium**
Marianne Giroux (1,2), **Marie-Josée Sirois** (1,2), Valérie Boucher (1,2), Marcel Émond (1,2) - (1) Centre d'excellence sur le Vieillessement du Québec 2. CHU de Québec (Canada)
- P58 Impact of muscle function in the length of stay in intensive care unit and in the length of hospitalization – AVANTCCA preliminary data**
Patricia Amante de Oliveira (MD), PhD (1), Isabela Cardoso Pimentel, RD (1), Cristiane Kovacs, MD (1), Amanda Guerra de Moraes Rego Sousa MD (1), Daniel Magnoni, MD (1) - (1) Nutrition Department, Instituto Dante Pazzanese de Cardiologia, São Paulo, (Brazil)
- P59 Prospective Associations of Low Muscle Mass and Strength with 10-year Health-Related Quality of Life in Community-dwelling Older Adults**
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- P60 Longitudinal associations between serum 25-hydroxyvitamin-D Physical Activity and Knee Pain and Dysfunction with Muscle Mass, Strength and Quality in Community-dwelling Older Adults**
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- P61 Relationship between involuntary weight loss with low muscle mass and health-related quality of life in Korean older adults**
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- P62 Impact of falls on fractures and mortality – an opportunity for cooperation for fracture prediction and intervention**
Eugene McCloskey MD (1,2), Sarah Chiu MD (1), Nicholas C Harvey MD (3), Cyrus Cooper MD (3), Lee Sheppard PhD (4), Helena Johansson PhD (2), John Kanis MD (2) and the SCOOP Study team - (1) MRC Arthritis Research UK Centre for Integrated research in Musculoskeletal Ageing (CIMA), Mellanby Centre for Bone Research, University of Sheffield, Sheffield, UK (2) Centre for Metabolic Bone Diseases, University of Sheffield, Sheffield, UK (3) MRC Lifecourse Epidemiology Unit, University of Southampton, Southampton, UK (4) School of Medicine, University of East Anglia, Norwich, (UK)
- P63 The estimation of glomerular filtration rate in elderly patients: new tools from body composition analysis**
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- P64 Identifying seniors' risks of health and social frailty: the frailty observatories, a French social security organisations initiative**
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- P65 First results of the French MACVIA Falls Prevention programme**
Hubert Blain MD, PhD (1, 2), Pierre Louis Bernard, PhD (2), Michel Noguès, PhD (3, 4), Justine Millot-Keurinck, MS (3, 4), Jean Bousquet, MD, PhD (4, 5) - (1) Department of Geriatrics, Montpellier University hospital, Montpellier, France (2) EA 2991 Movement To Health, Euromov, Montpellier University, Montpellier, France (3) Retirement and occupational health insurance agency of Languedoc-Roussillon (Carsat LR), Montpellier, France (4) Respiratory Diseases Department, University hospital, Montpellier, France (5) MACVIA (France)
- P66 Functionality in the elderly attended the reference center: follow-up of a year**
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- P67 Physical-functional characteristics of frailty syndrome in Brazilians female elderly**
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- P68 Altered expression of the long non-coding RNA H19 in skeletal muscle is associated with low muscle mass in community-dwelling older adults: findings from the Hertfordshire Sarcopenia Study (HSS)**
E Antoun *, E Migliavacca *, E Garratt, S Barton, P Titcombe, L Westbury, A Charpagne, A Baczynska, R Dodds, H Roberts, A Sayer, S Shaw, A Sheppard, C McFarlane, P Descombes, C Cooper, KM Godfrey JN Feige, K Lillycrop ¶, HP Patel ¶¶ Joint first authors ¶ Joint Senior authors - Institute of Developmental Sciences, University of Southampton - University of Southampton (UK)
- P69 Markers of oxidative stress are increased and associated with cardiovascular risk in sarcopenic obesity**
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- P70 Effects of a giant exercising board game intervention on ambulatory physical activity among nursing home residents: a preliminary study**
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- P71 Interest in 10 current definitions of frailty to predict the incidence of death among elderly nursing home residents**
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- P72 Incidence and impact measurement of delirium induced by ED stay (INDEED)**
Marcel Émond, MD, MSc (1-2-3), Valérie Boucher, BA (1-2-3), Philippe Voyer inf, PhD (1-2-3), Mathieu Pelletier, MD (2-4), Émilie Gouin, MD5, Raoul Daoust, MD MSc (6-7), Simon Berthelot, MD MSc (2-8), **Marie-Josée Sirois**, PhD (1-2-3) - (1) Axe Santé des populations et pratiques optimales en santé, CHU de Québec Hôpital de l'Enfant-Jésus, Québec, Canada (2) Université Laval, Québec, Canada (3) Centre d'excellence sur le vieillissement de Québec, Québec, Canada (4) Centre Intégré de Santé et de Services Sociaux de Lanaudière, Joliette, Canada (5) Centre Hospitalier Régional de Trois-Rivières, Trois-Rivières, Canada (6) Centre de recherche de l'Hôpital du Sacré-Coeur de Montréal, Montréal, Canada (7) Université de Montréal, Montréal, Canada (8) CHUL, CHU de Québec, Québec, (Canada)
- P73 Using the Bergman-Paris question to screen seniors in the Emergency Department**
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- P74 The level and direction of cognitive disturbances in physiological aging**
Nataliia Prokopenko, Institute of Gerontology of National Academy of Medical Sciences, Kiev, (Ukraine)
- P75 Tumor necrosis factor-alpha a risk factor for sarcopenic obesity in elderly mexican women**
Claudia Espinel-Bermudez PhD (1,2), Xochitl Trujillo X, PhD (2), Carmen Garcia-Peña, PhD (3), Sergio Sanchez-García, PhD (4), Jose Antonio Robles-Cervantes, PhD (1), Sandra Hernández-González PhD (1), Candad Leal-Cortes, PhD (5), Betsabe Contreras-Haro, PhD (1), Janneth Anaya-Ambroz, MD (1) - (1) Epidemiological Clinical Research Unit, Mexican Institute of Social Security (2) University Center for Biomedical Research, Universidad de Colima (3) National Institute of Geriatrics, Mexico (4) Epidemiologic and Health Service Research Unit, Aging Area, Mexican Institute of Social Security (5) Biomedical Research Center of the West, Mexican Institute of Social Security (Mexico)
- P76 Relationship of inflammatory mediators IL-6 and STNFR1 and sarcopenia in Brazilian elderly women**
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- P77 Correlation between inflammatory mediator, gait velocity, strength and muscular mass in Brazilian elderly women**
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- P78 Motoric conduction latency is not associated with physical performance in older adults**
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- P79 Frailty and sarcopenia in people older than 65 in community residents**
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- P80 Plasma TNF- α is associated with inflammation and nutrition status in community-dwelling Japanese elderly**
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- P81 Understanding the Relationship between Fat Distribution, Nutritional Status and Parkinson's Disease Severity**
Maria S. Pisciotto (1) Domenico Fusco, MD (1), Davide L. Vetrano, MD (1,2), Giulia Grande, MD (2,3), Vincenzo Brandi, MD (1), Maria R. Lo Monaco, MD (1), Alice Laudisio, MD (4), Graziano Onder, MD, PhD (1), Anna R. Bentivoglio, MD, PhD (5,6), Diego Ricciardi, PhD (1), Roberto Bernabei, MD (1), and Giuseppe Zuccala, MD, PhD (1) - (1) Department of Geriatrics, Neurosciences and Orthopaedics, Catholic University of Rome, Italy. (2) Aging Research Center, Department of Neurobiology, Care Sciences and Society, Karolinska Institutet and Stockholm University, Stockholm, Sweden. (3) Center for Research and Treatment on Cognitive Dysfunctions, Biomedical and Clinical Sciences Department, "Luigi Sacco" Hospital, University of Milan, Italy. (4) Department of Geriatrics, Campus Bio-Medico University, Rome, Italy. (5) Institute of Neurology, Catholic University of Rome, Italy. (6) "Don Gnocchi" Foundation, Milan, (Italy)
- P82 Frailty and life space: results from imias study**
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- P83 Relationships between physical fatigue and fatigue perception in older adults undergoing elective abdominal surgery**
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- P84 Development of a comprehensive measure of frailty in a multi-ethnic Asian population**
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- P85 Handgrip strength, mini nutritional assessment and swallowing: comparison between young and old**
Tatiana Magalhães de Almeida (1), Gilmar Ignácio de Mendonça (2), Aline Santos Monteiro (3), Fernanda Cassulo Amparo (3), Cristiane Kovacs (3), Antônio Massamitsu Kambara (2), Carlos Daniel Magnoni (3), João Italo França (4), Amanda Moraes Rego Sousa (5) (1) Department of Speech Therapy, Dante Pazzanese Institute of Cardiology, São Paulo, Brazil (2) Department of Radiology, Dante Pazzanese Institute of Cardiology, São Paulo, Brazil (3) Department of Nutrition, Dante Pazzanese Institute of Cardiology, São Paulo, Brazil (4) Department of Statistics, Dante Pazzanese Institute of Cardiology, São Paulo, Brazil (5) Director General, Dante Pazzanese Institute of Cardiology, São Paulo, (Brazil)
- P86 Association between Carotid Artery Stenosis and Cognitive Impairment in Memory Clinic patients**
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- P87 Prevalence and effects of frailty in patients undergoing cardiac surgery: preliminary results of an elderly colombian cohort**
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- P88 Serum uric acid and impaired cognitive function in community-dwelling elderly in Beijing**
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- P89 Prevalence of sarcopenia in community-dwelling older people of Mexico City using the EGWSOP (European Working Group on Sarcopenia in Older People) diagnostic criteria**
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- P90 Comparison of Quality of Life Among Community-dwelling Older Adults with the Frailty Phenotype**
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- P91 Frailty in community-dwelling older adults: association with adverse outcomes**
 Sergio Sánchez-García, PhD1, Carmen García-Peña, PhD2, Antoni Salvà-Casanovas, PhD3, Rosalinda Sánchez-Arenas, PhD1, Víctor Granados-García, MSc1, Juan Cuadros-Moreno, MD4, **Laura Bárbara Velázquez-Olmedo** MSc5, Ángel Cárdenas-Bahena, MSc1. (1) Unidad de Investigación Epidemiológica y en Servicios de Salud, Área de Envejecimiento, Centro Médico Nacional Siglo XXI, Instituto Mexicano del Seguro Social, Ciudad de México, México (2) Instituto Nacional de Geriátria, Institutos Nacionales de Salud de México, Secretaría de Salud, Ciudad de México, México (3) Fundació Salut i Envel·liment de la Universitat Autònoma de Barcelona, Barcelona, España (4) Coordinación de Educación en Salud. Instituto Mexicano del Seguro Social, Ciudad de México, México (5) División de Estudios Profesionales, Facultad de Odontología, Universidad Nacional Autónoma de México, Ciudad de México, (México)
- P92 The role of previous mobility as a predictor of disability and death after a first stroke in geriatric patients with dementia an observational study based on the swedish dementia and stroke quality registers**
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- P93 Associations between health-related quality of life, physical functioning and falls efficacy in older fallers receiving home help services: A cross-sectional study in six Norwegian municipalities**
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- P94 Gait speed and Sarcopenia**
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- P95 Prevalence of frailty in rural Lebanon**
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- P96 Effects of Anti-Inflammatory Producing Drugs on Skeletal Muscle and Inflammation: A systematic literature review**
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- P97 Low-Magnitude High-Frequency Vibration Enhanced Osteoporotic Fracture Healing in Senescence Accelerated Mouse**
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- P98 Prevalence of low grip strength in middle-aged and older Chinese people: A public health approach for sarcopenia prevention in community**
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- P99 Effects of multi-domain interventions in (pre)frail elderly on frailty, functional and cognitive status: a systematic review**
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- P100 Co-application of LMHFV and HMB Supplement Improves Muscle Function and Fiber Composition in Sarcopenic SAMP8 Mice**
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- P101 Malnutrition and incidence of sarcopenia in Chilean older people**
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- P102 Relationship between risk of dysphagia and functional outcomes in community-dwelling older patients**
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- P103 Dynapenia is as important as at least sarcopenia in older adults: a new geriatric syndrome**
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- P104 Orthostatic Hypotension is not associated with sarcopenia and frailty in older adults**
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- P105 Associations between body mass index, sarcopenia and health-related quality of life in a hospitalized older people**
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- P106 Impact of dietary protein distribution on muscle function in elderly men**
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- P107 Sarcopenia in older adults with HIV and its association with frailty status**
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- P108 Physical Activity and Functional Capacity in Chronic Renal Disease Patients Undergoing Hemodialysis**
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- P109 Physical Activity and Cognitive Functioning in Hemodialysis Patients**
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- P110 Frailty of adults and elderly with chronic kidney disease on hemodialysis: application of the Fried Frailty Phenotype**
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- P111 Frailty of adults and elderly with chronic kidney disease on hemodialysis: application of the Fried Frailty Phenotype**
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- P112 Predictors of frailty in the elderly with chronic kidney disease on hemodialysis**
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- P113 Impact of a 12-week mixed power training on body composition and functional capacity in elderly men with or without type 2 diabetes**
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- P114 Frailty of adults and elderly with chronic kidney disease on hemodialysis: application of the Fried Frailty Phenotype**
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- P115 Rapid Cognitive Screen: translation and adaptation in the Brazilian context**
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- P116 Simplified Nutritional Assessment Questionnaire: translation and adaptation in Brazil**
Fabiana de Souza Orlandi, PhD1; Rafaela Brochine Lanzotti, MS2 (1) Department of Gerontology, Federal University of São Carlos, Brazil (2) Department of Gerontology, Federal University of São Carlos, (Brazil)
- P117 Risk of Falls and Fragility in Elderly People with Chronic Renal Disease on Hemodialysis Treatment**
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- P118 Chronic Renal Disease: application of dual energy X-ray Absorptiometry in patients undergoing hemodialysis to identify sarcopenia and risk of fractures**
Juliana Gomes Duarte, G1 **Fabiana de Souza Orlandi**, PhD2 (1) Department of Gerontology, Federal University of São Carlos, Brazil (2) Department of Gerontology, Federal University of São Carlos, (Brazil)
- P119 Associations between self-assessed kyphosis and chewing disorders in frail community-dwelling elderly individuals**
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- P120 Effects of a home based exercise program using a gerontechnology versus a supervised exercise program on functional capacities in community-dwelling older adults after a minor injury**
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- P121 Age-related extensions to the myotendinous junction contribute to loss of muscle mass and are reversible by endurance exercise**
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- P122 Malnutrition assessed by the new ESPEN consensus definition and frailty status by the CHS criteria in Japanese geriatric outpatients**
Kaori Kinoshita RD1, Shosuke Satake MD, PhD1, Satomi Furuzono RN1, Kazuyoshi Senda MD PhD1, Young-Jae Hong MD1, Keiji Nishihara MD1, Shuji Kawashima MD1, Hidetoshi Endo MD, PhD1, Hidenori Arai MD, PhD1 (1) National Center for Geriatrics and Gerontology, Japan (2) Mie Prefectural Ichishi Hospital, (Japan)
- P123 Prevalence of Sarcopenia in Elderly Primary Care Users**
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- P124 The effect of intraday physical exercise on daily physical activity and sleep quality in maintenance hemodialysis patients**
Jun Chul Kim, Ji-Hyung Cho, MD1 (1) Department of Internal Medicine, CHA Gumi Medical Center, CHA University, (South Korea)
- P125 How much leucine is in your food?**
Sherri N Stastny PhD, RD, CSSD, LRD, North Dakota State University, Fargo, ND, (USA)
- P126 Feasibility and effects of a physical activity program using a gerontechnology in nursing homes**
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- P127 Decrease in serum insulin and IGF-1 levels after exercise under the dietary condition of increased skimmed milk Intakes**
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- P128 Improvements in dynamic musculoskeletal function in inactive middle-aged adults after a 12 week whole body exercise intervention, assessed using inertial sensors**
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- P129 Gait speed and the spatio-temporal determinants of residents in nursing homes**
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- P130 Gait Characteristics and Physical Outcomes in Nursing Home Residents**
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- P131 Older people's experiences from a health promoting intervention combining exercise and nutrition – a qualitative study by focus group interviews**
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- P132 Correlates of Sarcopenia in Chronic Kidney Disease**
S. Lai, P. Protopapa, A. Molfino, M. I. Amabile, A. Perrotta Roma (Italy)
- P133 Genetic ablation of 4E-BP1 and 4E-BP2 is associated with increased muscle mass, strength and protein synthesis in aged male-mice**
Olivier Le Bacquer PhD1,2, Jérôme Salles, PhD1,2, Christelle Guillet, PhD1,2, Carla Domingues-Faria, PhD1,2, Dominique Dardevet, PhD1,2, Lydie Combaret, PhD1,2, Yves Boirie, PhD, MD1,2,3, Stéphane Walrand, PhD1,2 1 UMR 1019, Unité de Nutrition Humaine, INRA/Université d'Auvergne, Clermont-Ferrand 2 Clermont Université, Université d'Auvergne, Unité de Nutrition Humaine, Clermont-Ferrand, France 3 CHU Clermont Ferrand, Service de Nutrition Clinique, Clermont Ferrand (France)
- P134 Predictive ability of seven domains in the Kihon Checklist for the new incidence of 2.5-year dependency and mortality**
Shosuke Satake MD PhD1, Hiroshi Shimokata MD PhD2, Kazuyoshi Senda MD PhD1, Hidenori Arai MD PhD1, Kenji Toba MD PhD1 (1) National Center for Geriatrics and Gerontology, Obu, Japan (2) Institute of Health and Nutrition, Nagoya University of Arts and Science, (Japan)
- P135 Determinants of cognitive status in nonagenarians: a focus on sarcopenia, physical performance, and hormonal status**
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- P136 How is frailty measured in individuals with heart failure? A systematic review**
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- P137 Psychotropic drugs change stability independently of falls**
Maria Angeles Caballero Mora 1, Cristina Alonso Bouzon 1, Marta Castro Rodríguez 1, Leocadio Rodríguez Mañas 1. (1) Geriatric Department, Hospital Universitario de Getafe, (Spain)
- P138 Bone mineral density is associated with muscle mass in obese older adults with diabetes type 2**
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- P139 Inflammatory mediators, risk for sarcopenia and disability in elderly women with low back pain: Back Complaints in the Elders-Brazil Study**
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- P140 Prevalence and risk factors of sarcopenia in elderly patients with rheumatoid arthritis**
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- P141 Effect of comprehensive rehabilitation during four weeks in patients with disuse syndrome**
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- P142 Metabolic Syndrome and Sarcopenia in Urban Older Adults in Malaysia**
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- P143 Quantitative and qualitative protein intake in elderly and their distribution per meal**
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- P144 Peripheral muscle fatigue in hospitalized geriatric patients**
Pauline Arnold 1, Rose Njemini 2,3, Stijn Vantieghem 2,3, Jacques Duchateau 4, Tony Mets 2,3,5, Ingo Beyer 2,3,5, Ivan Bautmans 1,2,3,5. (1) Stichting Opleidingen Musculoskeletale Therapie (SOMT), Amersfoort, The Netherlands (2) Gerontology (GERO) Department, Vrije Universiteit Brussel (VUB), Brussels, Belgium (3) Frailty in Ageing (FRIA) Research Department, Vrije Universiteit Brussel (VUB), Brussels, Belgium (4) Laboratory of Applied Biology & Neurophysiology, Université Libre de Bruxelles (ULB), Brussels, Belgium (5) Geriatrics Department, Universitair Ziekenhuis Brussel, Brussels, (Belgium)
- P145 Protein Intake and incident Falls among Older Adults in Spain: the ENRICA-Seniors Cohort**
Helena Sandoval-Insausti 1,2, Raúl F. Pérez-Tasigchana 1, Esther López-García 1, José Ramón Banegas 1, Fernando Rodríguez-Artalejo 1, and **Pilar Guallar-Castillón** 1. (1) Department of Preventive Medicine and Public Health, School of Medicine, Universidad Autónoma de Madrid/IdiPaz and CIBERESP, Madrid, Spain. (2) Service of Preventive Medicine, Hospital Universitario de La Princesa, Madrid, (Spain)
- P146 Vitamin intake and risk of frailty in older Spanish adults**
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- P147 Physical functioning correlates of the Fried Frailty Phenotype components in women aged over 65 years**
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- P148 Effectiveness of two exercise programs on physical functioning and biomarkers of autonomic activity in frail elderly woman**
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- P149 Trajectories of functional ability over the life course: a dynamic model of the interaction of stressor-induced functional loss and resilience**
David B. Matchar MD 1,2, John P. Ansah, PhD 1, Victoria Koh, BEng 1, Heather E. Whitson, MD 2,3, Angelique Chan, PhD 1 (1) Health Services and Systems Research, Duke-NUS Graduate Medical School, Singapore (2) Department of Medicine, Duke University School of Medicine, Durham, NC, USA (3) Geriatrics Research, Education and Clinical Center, Durham Veterans Affairs Medical Center, Durham, NC, (USA)
- P150 An Investigation of the Mid-thigh CT Cross Sectional Area and Attenuation Values of Quadriceps Femoris Muscle in Elderly People**
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- P151 Results of the Sarcophage Study after 2 years of follow-up**
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- P152 FACET project: Integrated supportive services/products to promote FrAilty Care and weLL funcTion**
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- P153 Risk factors for frailty. A two-years follow-up cohort study in community dwelling elderly population.**
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- P154 Frailty in clinical practice and public health**
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- P155 Associations between Nutrition status and the degree of independence in dementia elderly's activity of daily living in the elderly in Nursing Care Facilities in Japan**
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- P156 Social, health-related and psychogeriatric determinants associated with physical frailty in community-dwelling elderly people in Peru**
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- P157 Polyphenol-rich diet is inversely associated with physical performance decline in older adults**
Patricia Casas-Agustench, PhD1, Montserrat Rabassa, PhD1, Raul Zamora-Ros, PhD2, Mireia Urpi-Sarda, PhD1, Stefania Bandinelli, MD3, Luigi Ferrucci, MD, PhD4, Antonio Cherubini, MD, PhD5, Cristina Andres Lacueva, PhD1 (1) Biomarkers and Nutrimetabolomic Laboratory, Department of Nutrition, Food Sciences and Gastronomy, Food Technology Reference Net (XaRTA), Nutrition and Food Safety Research Institute (INSA), Campus Tombera, Faculty of Pharmacy and Food Sciences, University of Barcelona, Barcelona, Spain. (2) Unit of Nutrition and Cancer, Cancer Epidemiology Research Programme, Catalan Institute of Oncology, Bellvitge Biomedical Research Institute (IDIBELL), Barcelona, Spain (3) Geriatric Unit, Azienda Sanitaria Firenze, Florence, Italy (4) Clinical Research Branch, National Institute on Aging, NIH, Baltimore, Maryland, United States (5) Geriatrics and Emergency Care, Italian National Research Centre on Aging (INRCA), Ancona, Italy)
- P158 Polyphenol-rich diet intake and frailty syndrome. Relevance to polyphenol recommendations and aging-health promoting**
Cristina Andres-Lacueva PhD1, Montserrat Rabassa, PhD1, Patricia Casas-Agustench, PhD1, Raul Zamora-Ros, PhD2, Mireia Urpi-Sarda, PhD1, Stefania Bandinelli, MD3, Luigi Ferrucci, MD, PhD4, Antonio Cherubini, MD, PhD5, (1) Biomarkers and Nutrimetabolomic Laboratory, Department of Nutrition, Food Sciences and Gastronomy, Food Technology Reference Net (XaRTA), Nutrition and Food Safety Research Institute (INSA), Campus Tombera, Faculty of Pharmacy and Food Sciences, University of Barcelona, Barcelona, Spain. (2) Unit of Nutrition and Cancer, Cancer Epidemiology Research Programme, Catalan Institute of Oncology, Bellvitge Biomedical Research Institute (IDIBELL), Barcelona, Spain (3) Geriatric Unit, Azienda Sanitaria Firenze, Florence, Italy (4) Clinical Research Branch, National Institute on Aging, NIH, Baltimore, Maryland, United States (5) Geriatrics and Emergency Care, Italian National Research Centre on Aging (INRCA), Ancona, Italy)
- P159 Adequacy and feasibility of frailty assessment scales for the elderly in different clinical and social settings: preliminary results from The Frailtools Project**
 Armando Pardo, MD1, Tania Guevara MD1, Jimmy Gonzales MD1, **Marta Checa** MD, PhD1, Soledad Alamo, Nurse1, Stefan Walter, PhD1, Leocadio Rodríguez-Mañas, MD, PhD1-2. (1) Fundación para la Investigación Biomédica de Getafe University Hospital, Madrid, Spain. (2) Geriatric Department, Getafe University Hospital, Madrid, Spain
- P160 Degree of agreement among four frailty scales - frailtools study: preliminary results**
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- P161 Frailty Screening Tools: Which tool predicts better disability and mortality after one year of follow-up? Results from The FRAILCLINIC Project**
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- P162 Differences between frail and prefrail older nursing home residents**
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- P163 Changes in dietary habits by ICT-based monitoring and coaching approach: the DOREMI project in an UK and Italian population**
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- P164 Current Research Trends on Prevalence, Correlates with Cognitive Function, and Interventions on Sarcopenia in Community-dwelling Older Adults**
 Ahn, Soojung, **Chu, Sang Hui** Jung, Hyejeong Yonsei University College of Nursing, Seoul, (South Korea)
- P165 Frailty index- Spanish version of the Kihon Checklist**
López-López, R MS, Maseda, A, PhD, Lorenzo-López, L, PhD, García-Martínez, C.M., B.N., Millán-Calenit, J.C., MD, PhD Universidade da Coruña, Gerontology Research Group, Instituto de Investigación Biomédica de A Coruña (INIBIC), Complejo Hospitalario Universitario de A Coruña (CHUAC), SERGAS, A Coruña, (Spain)
- P166 Retrospective Observational Study to Define the Prevalence of Sarcopenia in HIV-Infected Patients**
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- P167 Sensitivity and specificity of the SARC-F questionnaire according to different definitions of sarcopenia: results from the SarcophAge study**
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- P168 Relationship between sarcopenia and frailty in the Toledo Study of Healthy Aging: a population based longitudinal cohort**
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- P169 Frailty and functional mobility of elderly residents in an area of high social vulnerability**
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- P170 Relationship between frailty and self-perception of the health status of elderly residents in na área of high social vulnerability**
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- P171 Elderly People in a Long Stay Institution: Relationship between Quality of Life and Fragility**
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- P172 Frailty-Related Predictors Of Functional Improvement During Geriatric Rehabilitation. The Sarcopenia and Function in Aging Rehabilitation (SAFARI) multi-center study**
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- P173 Association between Quality of Life and Fragility in institutionalized elderly**
Fabiana de Souza Orlandi PhD1, Larissa de Andrade, G1, Leticia Alves Melo, G1, Helena Rita de Oliveira Silva, MS2, Marisa Silvana Zazzetta, PhD1 (1) Department of Gerontology, Federal University of São Carlos, Brazil (2) Department of Nursing, Federal University of São Carlos, Brazil
- P174 Associations between physical activity levels, sedentary behavior and sarcopenia determinants and prevalence in Toledo Study using population adapted cut-points**
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- P175 Prevalence of the frailty phenotype in a young and middle aged ambulatory care population**
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- P176 Frailty and re-hospitalization in elderly due to secondary infection in chronic co-morbidity**
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- P177 Approaching physical and multidomain frailty in the Community: the 9 item questionnaire of European project SUNFRAIL**
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- P178 The association between dietary protein intake, dietary quality and physical frailty - the Rotterdam Study**
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- P179 The impact of nutritional status on mortality in long-term care facilities residents**
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- P180 Comparison of MRI-Derived and DEXA-Derived Measurements of Quadriceps Muscle Mass in the Healthy Adults**
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- P181 The influence of fat mass on the glyemic control of diabetic individuals and non-diabetics**
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- P182 Loss of muscular function as a result of aging, obesity and immobilization: a mouse model for pharmacological intervention**
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- P183 Patterns of alcohol consumption and risk of falls in older adults**
Rosario Ortolá MD1, Esther García-Esquinas, MD, PhD1,2, Iñaki Galán, MD, PhD1,3, Pilar Guallar-Castillón, MD, PhD1,2, Esther López-García, MD, PhD1,2, JR Banegas MD, PhD1,2, Fernando Rodríguez-Artalejo MD, PhD1,2(1) Department of Preventive Medicine and Public Health, Universidad Autónoma de Madrid and IIdPaz, Madrid, Spain (2) CIBER of Epidemiology and Public Health (CIBERESP), Madrid, Spain (3) National Center for Epidemiology, Instituto de Salud Carlos III, Madrid, (Spain)
- P184 Daily Living Aids requirements in elderly according to areas of greater functional impairment in Basic Daily Living Activities**
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- P185 Are some plasma circulating miRNAs a signature for the hand grip strength of older adults? – Results from the InCHIANTI cohort**
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- P186 Physical activity, metabolic parameters, inflammation and obese sarcopenic elderly**
Carla M. C. NascimentoPhD1, Marisa S. Zazzetta, PhD1, Grace A. O. Gomes, PhD1, Fabiana S. Orlandi, PhD1, Karina Gramani-Say, PhD1, Fernando A. Vasilceac, PhD1, Aline C. M. Gratao, PhD1, Sofia C. I. Pavarini, PhD1, Marcia R. Cominetti, PhD1 1Department of Gerontology, Federal University of São Carlos, São Carlos, SP, (Brazil)
- P187 Use of Losartan and Prevalence of Sarcopenia in older adults in an outpatient cardiology clinic: The SARCOS Study**
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- P188 Urine biomarkers of frailty risk: monitoring habitual exposure to protein-rich foods and high antioxidant fruit and vegetables in community settings**
John Draper PhD1; Marco Arkesteijn, PhD1; Manfred Beckmann, PhD1; Nicholas Gregory, 1; Amanda Lloyd, PhD1; John Mathers, PhD2; Rhys Thatcher, PhD1; Naomi Willis, PhD2; Thomas Wilson, PhD1; Hassan Zubaair, PhD1 (1) Aberystwyth University, UK (2) Newcastle University, (UK)
- P189 Alteration of the balance assessed by test in the Balance Rehabilitation Unit in elderly from Geriatric Day Hospital**
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- P190 Patient Reported Outcomes (ePROs) – SarQoL, SF-36 and TSD-OC - in ageing related Sarcopenia. SARA-OBS, a six-month observational clinical trial**
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- P191 Assessment of body composition, muscle strength and function in a Danish cohort – a diagnostic tool for sarcopenia**
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- P192 Association between risk of malnutrition and physical disability: Evidence from a case-control study in older Mexican adults**
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- P193 Change in hemoglobin status and impact on physical performance in Brazilian Older Adults**
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- P194 Validity of the Self- Mini Nutritional Assessment (Self- MNA) for the evaluation of nutritional risk. A cross- sectional study conducted in General Practice**
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- P195 Disability, Physical Inactivity, and Impaired Health-Related Quality of Life Are Not Different in Metabolically Healthy vs. Unhealthy Obese Subjects**
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- P196 Speed of multimorbidity development and functional dependence: the role of socio-demographic factors**
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- P197 Could a multicomponent exercise programme improve cognitive function and functional status in frail community-dwelling individuals?**
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- P198 Correlates of Sarcopenia in Chronic Kidney Disease**
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- P199 Morphotypes in men and women present different associations with adverse health events: results from the Toledo Study for Healthy Aging**
Carmen Castillo-Gallego MD, PhD1, Jose Carnicero, PhD1, Ana Alfaro-Acha, MD, PhD1, William López, MD1, Fabiola Solís, MD1, José Losa-Reyna, PhD 1, Francisco José García-García, MD1 (1) Hospital Virgen del Valle, Complejo Hospitalario de Toledo, (Spain)
- P200 Relationship between polypharmacy and nutritional status in elderly patients without disability**
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- P201 Hypovitaminosis D, a frailty-related risk factor for motor vehicle crashes among older adults**
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- P202 Institutionalized elderly social support: is there a relationship with frailty?**
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- P203 Effects of a home based exercise program using a gerontechnology versus a supervised exercise program on functional capacities in community dwelling older adults after a minor injury**
Dominic Martel, MSc(c) 1-2-3, Martine Lauze, MSc(c) 1-2-3, Amandine Agnoux, MSc 1-2-3, Marie-Josée Sirois, PhD 4-5, Marcel Émond, MD 4-5, Raoul Daoust, MD 6, Mylène Aubertin-Leheudre, PhD 1-2-3*(1) Département des Sciences de l'activité physique, Université du Québec à Montréal, Montréal (Qc), Canada.(2) Groupe de recherche en activité physique adaptée, Université du Québec à Montréal, Montréal (Qc), Canada.(3) Centre de recherche de l'Institut universitaire de gériatrie de Montréal, Montréal (Qc), Canada.(4) Centre d'Excellence en Vieillesse de Québec (CEVQ), Québec, Canada.(5) Centre de Recherche du Centre hospitalier universitaire de Québec, Hôpital de l'Enfant-Jésus, Québec (Qc), Canada(6) Hôpital du Sacré-Coeur de Montréal, Montréal (Qc), (Canada)
- P204 Dietary intake in community-dwelling presarcopenic and non-presarcopenic older women: a case-control study – preliminary results**
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- P205 Frailty of the elderly and social support in a context of social vulnerability**
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- P206 Frailty in elderly people living in a region with social vulnerability**
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- P207 Frailty and fragility fractures – a double risk for functional limitations?**
Fuchs J, 1, Scheidt-Nave C1 (1) Department of Epidemiology and Health Monitoring, Robert Koch Institute, Berlin, Germany The present study is funded by the Federal Ministry of Health. (Germany)
- P208 The Five-Times Sit-to-Stand test can predict muscle power in healthy adults**
 Charlotte Burton, BSc (Hons)1, Brajesh Kumar Shukla, MTEch2, Sandeep Kumar Yadav, PhD2, Vivek Vijaywargiya, PhD2, **David Hewson**, PhD1 (1) Institute for Health Research, University of Bedfordshire, UK (2) Indian Institute of Technology Jodhpur, (India)
- P209 Nutritional management of patient with megaesophagus due to chagasic dilated cardiomyocardiopathy**
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- P210 Sources of information for prefrail and frail patients, their caregivers, healthcare, and social care professionals**
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- P211 Coordination of care as a stakeholder response to needs in frailty**
Donata Kurpas, MD, PhD, Assoc. Prof.; 1 Maria Bujnowska-Fedak, MD, PhD, Assoc. Prof.; 1 Aneta Soll, RN, MSc; 1, 2 Barbara D'Avanzo D.Phil, Unit Head; 3 Carol Holland MSc, PhD, Assoc. Prof. 4 (1) Family Medicine Department, Wrocław Medical University, Poland (2) Institute of Electronics and Informatics Engineering of Aveiro, University of Aveiro, Portugal(3) Nursing Faculty, Opole Medical School, Poland(4) Istituto di Ricerche Farmacologiche "Mario Negri", Milan, Italy(5) Aston Research Centre for Healthy Ageing (ARCHA), Aston University, (UK)
- P212 Frailty: beliefs and prevention from the perspective of elderly people, their caregivers, healthcare, and social care professionals**
Donata Kurpas, MD, PhD, Assoc. Prof.; 1 Maria Bujnowska-Fedak, MD, PhD, Assoc. Prof.; 1 Aneta Soll, RN, MSc; 1, 2 Barbara D'Avanzo D.Phil, Unit Head; 3 Carol Holland MSc, PhD, Assoc. Prof. 4 (1) Family Medicine Department, Wrocław Medical University, Poland (2) Nursing Faculty, Opole Medical School, Poland (3) Istituto di Ricerche Farmacologiche "Mario Negri", Milan, Italy(4) Aston Research Centre for Healthy Ageing (ARCHA), Aston University, (UK)
- P213 Low handgrip strength is the most prevalent criterion in pre-frail and frail Portuguese older adults: results from Nutrition UP 65**
Sousa-Santos AR 1 Afonso C1, Moreira P1, Padrão P1, Santos A1, Borges N1, Amaral TF1 Faculdade de Ciências da Nutrição e Alimentação, Universidade do Porto, Rua Dr. Roberto Frias, 4200-465 Porto, (Portugal)
- P214 Are sarcopenia and frailty closely interrelated in Portuguese older adults? Results from the Nutrition UP 65 study**
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- P215 An observational study on frailty and on nutritional status of patients with impaired mobility admitted to the Padua General Hospital**
Alfredo Musumeci, MD, PhD1, Francesco Santi 2, Stefano Masiero, MD, PhD1 (1) Neurorehabilitation Unit, University of Padua, Italy (2) University of Padua, (Italy)
- P216 Change of frailty during hospitalization and its impact on adverse outcomes in older patients**
Giorgio Basile MD, PhD1, Antonino Catalano MD, PhD1, Giuliana Ciancio MD1, Daniela Brischetto MD1, Nancy Morabito MD1, Antonino Lasco MD1, Matteo Cesari MD, PhD2, 3. (1) Unit and School of Geriatrics, University of Messina, Messina, Italy. (2) Gerontopôle, Centre Hospitalier Universitaire de Toulouse, Toulouse, France (3) Université de Toulouse III Paul Sabatier, Toulouse, (France)
- P217 General, abdominal adiposity and frailty in Portuguese older adults: results from Nutrition UP 65**
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- P218 Impact of frailty on healthcare outcomes after ischaemic stroke in patients with atrial fibrillation**
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- P219 Frailty index is a strong predictor of in-hospital outcomes and mortality after discharge in cirrhotic patients**
Gaia Caccamo MD1, Giorgio Basile MD PhD2, Sergio Maimone MD1, Domenica Vadala MD1, Teresa Crea MD1, Maria Stella Franzè MD1, Aldo Sitibondo MD1, Roberto Filomia MD1, Carlo Saitta MD1, Irene Cacciola MD1, Giovanni Squadrato MD PhD1, 3, Giovanni Raimondo MD1, 4. 1Division of Clinical and Molecular Hepatology, University Hospital of Messina, Messina, Italy. 2Unit of Geriatrics, Department of Clinical and Experimental Medicine, University Hospital of Messina, Messina, Italy. 3Department of Human Pathology of the Adult and Evolutive Age, University Hospital of Messina, Messina, Italy. 4Department of Clinical and Experimental Medicine, University Hospital of Messina, (Italy)
- P220 SGA and MIS as diagnosis of Energy-Protein Malnutrition in aged patients with chronic renal disease on conservative treatment**
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- P221 BIO103, a second-generation compound for the treatment of sarcopenia. From anabolic properties to the reversion of aging-related functional loss**
Pierre Dilda PhD1, Anne-Sophie Foucault, PhD1, Sophie Raynal, PhD1, Christel Carbone 2, Jean-Denis Durand, PhD2, Stanislas Veillet, PhD1, Waly Dih, PhD1, René Lafont, PR3(1) Biophytis, Paris, France(2) Metabrain Research, Chilly-Mazarin, France(3) Sorbonne Universités, Laboratoire BIOSIPE, Paris, (France)
- P222 Relation of serum 25-hydroxyvitamin D status with sarcopenia in Chilean older people**
Barbara Angel PhD1, Lydia Lera, PhD1, Cecilia Albala MD1, Hugo Sánchez MD1, Carlos Marquez MSc1. (1) Department of Public Health Nutrition, Institute of Nutrition and Food Technology (INTA), University of (Chile)
- P223 The Short Performance Physical Battery Predicts Hospitalization and Emergency Department Use in a Geriatric Outpatient clinic**
Ahmed M. Negm MD1, 2, Courtney C. Kennedy, PhD1, Janet M. Pritchard, PhD1, 3, Sarah Karampatos, MSc1, George Ioannidis, PhD1, 4, Vasilija Vastis BSc1, Aidan Giangregorio, BSc1, Sharon Marr, MD1, 4, Christopher Patterson, MD1, 4, Brian Misiaszek MD1, 4 Tricia Woo, MD1, 4, Anne Pizzacalla, NP3, Kenneth Rockwood5, MD, Lehana Thabane, PhD6, Alexandra Papaioannou, MD1, 4 (1) GERAS Centre, Hamilton Health Sciences, Canada (2) School of Rehabilitation Sciences, McMaster University, Canada (3) Department of Kinesiology, McMaster University, Canada (4) Division of Geriatric Medicine, McMaster University, Canada (5) Division of Geriatric Medicine, Dalhousie University, Canada (6) Department of Clinical Epidemiology & Biostatistics, McMaster University, (Canada)
- P224 Maximal knee-extension strength measures indicating sarcopenia predicts health outcome in older patients with hip fracture**
Morten Tange Kristensen PT, PhD1, Lise Kronborg, PT, PhD2 (1) Physical Medicine and Rehabilitation Research – Copenhagen (PMR-C), Departments of Physical Therapy and Orthopedics, Hvidovre Hospital, University of Copenhagen, Denmark (2) Physical Medicine and Rehabilitation Research – Copenhagen (PMR-C) and Clinical Research Centre, Hvidovre Hospital, University of Copenhagen, (Denmark)
- P225 Does sedentary behaviour cause greater musculoskeletal & metabolic decline in older vs. young adults?**
Norman JA 1, 2, 3, Sprung, VS, 2, 3 Bowden-Davies K.A., 2, 3 Kemp, G.J. 1, 3, Trenell, M. 1, 4, & Cuthbertson, D.J. 1, 3 1MRC-Arthritis Research UK Centre for Integrated research into Musculoskeletal Ageing (CIMA) 2University Hospital Aintree, Institute of Ageing and Chronic Disease, University of Liverpool, UK; 3 Magnetic Resonance And Image Analysis Research Centre (MARIARC), Liverpool, UK; 4Institute of Cellular Medicine, MoveLab, University of Newcastle, UK
- P226 Measuring the effects of different models of frailty assessment in hospital**
Laura Morrison 1, Maria Costello1, Conor Judge1, Stephanie Robinson1, Rónán O'Caomh1, 2 1 Department of Geriatric Medicine, University Hospital Galway, Newcastle rd, Galway City, Ireland. 2 Health Research Board Clinical Research Facility Galway, National University of Ireland, Galway, Geata an Eolais, University Road, Galway, (Ireland)
- P227 Is reduced AMP activated protein kinase activity a mechanism of age-related mitochondrial dysfunction in ageing human skeletal muscle?**
Norman JA 1, 2, 3, Kemp, G.J. 1, 3, Trenell, M. 1, 4, & Cuthbertson, D.J. 1, 3 1MRC-Arthritis Research UK Centre for Integrated research into Musculoskeletal Ageing (CIMA) 2University Hospital Aintree, Institute of Ageing and Chronic Disease, University of Liverpool, UK; 3 Magnetic Resonance And Image Analysis Research Centre (MARIARC), Liverpool, UK; 4Institute of Cellular Medicine, MoveLab, University of Newcastle, (UK)
- P228 The prevalence of atrial fibrillation in frail older adults in long-term care**
Laura Morrison 1, Estera Igras2, Dr Abdul Ramesh2, Ms Ber Power3, Dr Kieran O'Connor4, Dr Richard Liston2, Rónán O'Caomh1, 5. 1 Department of Geriatric Medicine, University Hospital Galway, Newcastle rd, Galway City, Ireland. 2 Kery General Hospital, Rathass, Tralee, Co Kerry, Ireland. 3 St. Columbanus Home & Killamey Community Hospital, Killamey Co Kerry, Ireland. 4 Mercy University Hospital, Grenville place, Cork City, Ireland. 5 Health Research Board, Clinical Research Facility Galway, National University of Ireland, Galway, Geata an Eolais, University Road, Galway, (Ireland)

- P229 Study protocol: Prevalencia y factores asociados a sarcopenia y fragilidad en residencia. NuTRIR Study (Nutritional Treatment Indication in Residents Study)**
Vincenzo Malafarina MD MSc1,2, Fernando Gomez-Busto, MD c, Sonia Cabrerizo, MSc d, Virginia Andia Muñoz e, Naira Fernández-Gutiérrez, MD f, Iñaki Artaza-Artabe, MD f. a Department of Nutrition, Food Science and Physiology, School of Pharmacy, University of Navarra, Pamplona, b Department of Geriatrics, Complejo Hospitalario de Navarra, Pamplona, c Department of Geriatrics, Residencia San Prudencio, Ayuntamiento de Vitoria-Gasteiz, Alava, d Nutritionist, e Nutritionist, Residencia San Prudencio, Ayuntamiento de Vitoria-Gasteiz, Alava, f Department of Geriatrics, Orue Centro Socio Sanitario, Grupo Igarco, Amorebieta, Bizkaya (Spain)
- P230 Cardiovascular Risk Factors and Grip Strength in older adult males across Europe**
Joana Lourencu 1, 2, 3, António Serrano1, Claudia Afonso2, Paula Freitas 5,6, Constança Paúl 7 Elsie Costa4 1- USF Pedras Rubras, Maia; 2-Faculty of Nutrition and Food Sciences, University of Porto; 3- CINTESIS, Porto; 4- UCIBIO, REQUIMTE and Faculty of Pharmacy, University of Porto, Porto; 5- Department of Endocrinology, Diabetes and Metabolism, Centro Hospitalar São João, Porto, Portugal; 6-Faculty of Medicine, University of Porto, Porto, Portugal; 7- ICBAS, University of Porto, Porto, Portugal.
- P231 Association between the cross-sectional area of the thigh quadriceps and the history rates of several diseases**
Yasumoto Matsui, MD, PhD, Marie Takemura, MD, PhD, Atsushi Harada MD, PhD, Department of Orthopedics, National Center for Geriatrics and Gerontology, Japan Makiko Tomita, PhD, Rei Otsuka, PhD, Section of NILS-LSA, National Center for Geriatrics and Gerontology, Japan Fujiko Ando, MD, PhD, Department of Sports and Health Sciences, Faculty of Health and Medical Sciences, Aichi Shukutoku University Hiroshi Shimokata, MD, PhD, Graduate School of Nutritional Sciences, Nagoya University of Arts and Sciences (Japan)
- P232 Is reduced AMP activated protein kinase activity implicated in age-related mitochondrial dysfunction in human skeletal muscle?**
Norman JA M1,2,3, Kemp, G.J. 1,3, Trenell, M. 1, 4, & Cuthbertson, D.J. 1,3 1MRC-Arthritis Research UK Centre for Integrated research into Musculoskeletal Ageing (CIMA) 2University Hospital Aintree, Institute of Ageing and Chronic Disease, University of Liverpool, UK; 3 Magnetic Resonance And Image Analysis Research Centre (MARIARC), Liverpool, UK 4Institute of Cellular Medicine, MoveLab, University of Newcastle, (UK)
- P233 Does sedentary behaviour cause more profound musculoskeletal and metabolic decline in older vs. younger adults?**
Norman JA. 1, Sprung, V.S. 1, Bowden-Davies K.A. 1, Kemp, G.J. 1, Trenell, M.3, & Cuthbertson, D.J. 1 1University Hospital Aintree; 2MARIARC, Institute of Ageing and Chronic Disease, University of Liverpool, UK; 3Institute of Cellular Medicine, MoveLab, University of Newcastle, (UK)
- P234 Elderly protein intake in different functional status from Brazilian primary care city**
Tammy Junqueira Mendes Cassiano 1Louise Mendes Trigueiro 1, Sheila Mara Silva de Oliveira 1, Marcelo Starling 1, Ann Kristine Jansen2, Rodrigo Ribeiro dos Santos1 (1) Geriatrician at Núcleo de Geriatria e Gerontologia da UFMG (2) Nutricionist at Núcleo de Geriatria e Gerontologia da UFMG (Brazil)
- P235 Correlating frailty with patient reported quality of life in a cohort of advanced heart failure patients undergoing transplant assesment**
Roslyn Prichard RN BA 1,2,3 Sunita R Jha B Med Sci (Hons)1,2, Julee McDonagh RN2, Fei Li Zhao PhD 3, Stephen Goodall PhD 3, Patricia M Davidson RN PHD 2,5 Peter S Macdonald MD PHD 1,4 Christopher S Hayward MBBS MD 1,2,4 Phillip Newton RN PHD 1,2 (1) Heart Transplant Program, St Vincent's Hospital, Sydney, NSW (2) Centre for Cardiovascular and Chronic Care, (3) Centre for Health Economic Research and Evaluation, Faculty Health, University of Technology Sydney (4) Faculty of Medicine, University of New South Wales, Sydney, NSW (5) Faculty of Nursing, Johns Hopkins University, Baltimore, (USA)
- P236 Single fiber jitter level reflects decline in motor function with aging**
Tae Chung MD1,3; JeremyWalston, MD2; Ahmet Hoke MD, PhD1. Department of Physical Medicine and Rehabilitation, Johns Hopkins University 2. Geriatric Medicine Division, Department of Medicine, Johns Hopkins University 3. Neuromuscular Division, Department of Neurology, Johns Hopkins University (USA)
- P237 Effect of nutritional and exercise intervention on the Short Physical performance Battery (SPPB) in elderly diagnosed with sarcopenia**
Felipe Marulanda-Mejía MD Geriatrician 1, Clara Helena Gonzalez-Correa, MD, PhD2, Pablo Andrés Castaño-Gonzalez, MD, Resident in Internal Medicine3 (1) Research Group on Geriatrics Gerontology, Universidad de Caldas, Manizales, Colombia (2) Research Group on Bioelectrical impedance, Department of Basic Sciences for Health Universidad de Caldas, Manizales, Colombia (3) Research Group on Nutrition, Metabolism and Food Security Department of Basic Sciences for Health Universidad de Caldas, Manizales, (Colombia)
- P238 Hand grip strength after nutritional and exercise intervention in elderly diagnosed with sarcopenia**
Clara Helena Gonzalez-Correa MD, PhD1, Felipe Marulanda-Mejía, MD Geriatrician2, Pablo Andrés Castaño-Gonzalez, MD, Resident on Internal Medicine3 (1) Reseach Group on Bioelectrical impedance, Department of Basic Sciences for Health Universidad de Caldas, Manizales, Colombia (2) Research Group on Geriatrics Gerontology, Universidad de Caldas, Manizales, Colombia (3) Research Group on Nutrition, Metabolism and Food Security Department of Basic Sciences for Health Universidad de Caldas, Manizales, (Colombia)
- P239 Functional Balance Reserve Index (FRI) through Balance Rehabilitation Unit (BRU): Objective Evaluation of Rehabilitation Treatment?**
Maria Victoria Figueroa Souper Marcela Arias Barredo 1 Instituto Nacional de Geriatria 1/Hospital de Día/ Santiago de (Chile)
- P240 The Veterans' Successful Aging for Frail Elders Veterans (VSAFE) Program – Case Identification and Enrollment of Frail Older Veterans**
Jorge G. Ruiz 1,2, Stuti Dang 1,2, Willy Valencia 1, Shivani Priyadarshni 1, Naren Nallapeta 1, Zubair Rahaman 1, and Ramankumar Anam. 1 (1) Miami VA Healthcare System Geriatric Research, Education and Clinical Center (GRECC) (2) University of Miami Miller School of Medicine (USA)
- P241 Frailty in the Geriatric Surgical Population**
Susan E. Wozniak M.D., M.B.A., Yu Te Chou, M.D., JoAnn Coleman, D.N.P., A.C.N.P.-B.C., Mark R. Katlic, M.D. baltimore (USA)
- P242 Vascular Cerebral Damage among Frail elderly: The AMImage Study**
José Alberto Avila-Funes a,b,c, Amandine Pelletierb,c, Céline Meillonb,c, Gwénaëlle Cathelinec,d,e,f, Irene Treviño Frenkh, Jean-François Dartiguesb,c, Karine Pérèsb,c, Michèle Allardd, e,f,g, and Hélène Amieyab,c,* a Department of Geriatrics, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico City, Mexico b Univ. Bordeaux, ISPED, Centre INSERM U897, F-33000 Bordeaux, France c INSERM, ISPED, Centre INSERM U897, F-33000 Bordeaux, France d Univ. Bordeaux, INCIA, UMR 5287, F-33000 Bordeaux, France e CNRS, INCIA, UMR 5287, F-33000 Bordeaux, France f EPHÉ, F-33000 Bordeaux, France g CHU de Bordeaux, F-33000 Bordeaux, France h Department of Neurology and Psychiatry, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico City, (Mexico)
- P243 Sarcopenia: Short-term impact on patients at the geriatric outpatient clinic in a poor community Latin American hospital**
Clemente Zuniga-Gil MD 1, Christian Peralta-Alarcón MD1, Stephanie Rojas-Mariscal MD1, Ricardo Valdez-Rosas MD1, Nathalie Beltrán-García MD1, Cynthia Meza-Ruiz MD1, Lorena Rendón-Quiroz MD1, Mario 29Ulises Perez-Zepeda MD PhD2. (1) Department of Geriatrics of Hospital General de Tijuana. (2) Instituto Nacional de Geriatria. (Mexico)
- P244 Decline in muscle strength during hospital stay in a geriatric acute care unit in a poor community Hospital.**
Clemente Zuniga-Gil MD1, Christian Peralta-Alarcón MD1, Stephanie Rojas-Mariscal MD1, Ricardo Valdez-Rosas MD1, Nathalie Beltrán-García MD1, Cynthia Meza-Ruiz MD1, Miguel A. García-Grimshaw MD1, Marco Espinoza-Flores MD1, Mario Ulises Perez-Zepeda MD PhD2. (1) Department of Geriatrics of Hospital General de Tijuana. (2) Instituto Nacional de Geriatria. (Mexico)
- P245 Introducing Pressure Area Assessment Tool in Geriatric Hospital Wards; a practice developmental approach**
Buthaina Al Asfoor Ministry of Health/ Kingdom of Bahrain (Bahrain)
- P246 Daily life experience of institutionalized elderly people**
Buthaina Al Asfoor Ministry of Health/ Kingdom of Bahrain (Bahrain)
- P247 The Effect of High Doses of Vitamin D on Muscle Strength, Gait, and Physical Performance in Frail Older Adults. At Phase 2 Feasibility, open-label study**
Manuel Montero-Odasso MD, PhD1,2 (1) Gait and Brain Lab, Parkwood Hospital, Lawson Health Research Institute; (2) Schulich School of Medicine & Dentistry, Department of Medicine and Division of Geriatric Medicine, University of Western Ontario, London, ON, (Canada)
- P248 Clinical consequences of low muscle mass, defined by ASM/BMI, in men and women using data from Korean National Health And Nutritional Examination survey (KNHANES) IV (08' -11')**
 Sae Hee Min, **Kyoung Min** Kim, Soo Lim, Hak Chul Jang. Department of Internal Medicine, Seoul National University Bundang Hospital and Seoul National University College of Medicine
- P249 Frailty and risk of disability in Chilean elderly population**
Natalia Bustamante PhD1,2, Loma Jara, MD1 (1) Department of Public Health, Pontificia Universidad Católica de Chile. (2) Advanced Center for Chronic Diseases - ACCDIS (Chile)
- P250 Vitamin C deficiency in skeletal muscle switches muscle fiber types from slow to fast**
Yoshitaka Kondo, 1, Shoko Takisawa 1,2, Yoshihiro Noda 3, Shuichi Machida, PhD 4, Toshiro Aigaki, PhD 2, Akihito Ishigami, PhD 1 1 Molecular Regulation of Aging, Tokyo Metropolitan Institute of Gerontology (TMIG), Tokyo, Japan 2 Cellular Genetics, Graduate School of Science and Engineering, Tokyo Metropolitan University, Tokyo, Japan 3 Animal Facility, Tokyo Metropolitan Institute of Gerontology (TMIG), Tokyo, Japan 4 Graduate School of Health and Sports Science, Juntendo University, Chiba, Japan
- P251 Identify the prevalence of and risk factors for knee pain and radiographic knee osteoarthritis (RKO) and to investigate the relationship between decreased lower extremity muscle mass (DLEM) and knee pain severity.**
Ki Soo Park, Gyeongsang National University 816-15 Jinju-daero Jinju (South Korea)
- P252 Efficacy of acute in-hospital physiotherapy with knee-extension strength training in reducing strength deficits after hip fracture: a randomised controlled trial**
Lise Kronborg, PT, PhD1, Thomas Bandholm, PT, PhD1, Henrik Palm, MD2, Henrik Kehlet, PhD3, Morten Tange Kristensen, PT, PhD4 (1) Physical Medicine and Rehabilitation Research – Copenhagen (PMR-C) and Clinical Research Centre, Hvidovre Hospital, University of Copenhagen, Denmark (2) Hip Fracture Unit, Department of Orthopaedic Surgery, Copenhagen University Hospital, Hvidovre, Denmark (3) Section for Surgical Pathophysiology, Rigshospitalet, Copenhagen University, Denmark (4) Physical Medicine and Rehabilitation Research – Copenhagen (PMR-C), Departments of Physical Therapy and Orthopedics, Hvidovre Hospital, University of Copenhagen, Denmark
- P253 An evaluation of a physical activity programme designed for elderly people**
Guillaume Lefebvre, chief Operating Officer Siel Bleu Europe, Claudia Senik is a Professor at the Université Paris -Sorbonne and at the Paris School of Economics, Chloé Gervès-Pinquier is a post doctoral fellow at the Institut Gustave Roussy, with L'équipe d'accueil Management des organisations de santé, Carine Milcent is a researcher with the CNRS and an associate member of the Paris School of Economics
- P254 Associations between vitamin D, systemic inflammation and synbiotic supplementation: A randomized clinical trial**
Sandra Maria Lima Ribeiro (2,3), Liania Alves Luzia (2), Patricia Helen Rondó (2), Cecilia Maria Resende Gonçalves de Carvalho (1) - (1)-Federal University of Piauí; (2)- University of São Paulo, School of Public Health, Department of Nutrition; (3)- School of Arts, Sciences and Humanities, University of São Paulo (Brazil)
- P255 Light Physical Activity and Frailty in an agricultural community, Maule Cohort (MAUCO)**
Natalia Bustamante-Ara PhD (1,2), Caterina Ferreccio MD (1,2) - (1) Department of Public Health, Pontificia Universidad Católica de Chile. (2) Advanced Center for Chronic Diseases - ACCDIS
- P256 Effects of 50 days OVOMET® (Eggshell Membrane) supplementation on achilles tendon stiffness and subjective pain perception in old institutionalized patients**
 Setuain, I (1,2); García-Tabar, I (1); Jauregi L (1), García, I (1); Leoz, I (1); López Sáez de Asteasu, M (1); Bays-Moneo AB (1); Aguirre González, A.(3); Gil-Quintana, E. (3) and **Izquierdo, M** (1) - (1) Public University of Navarre. Department of Health Sciences. Spain (2)TDN. Orthopedic surgery and advanced rehabilitation centre. Clinical research department. Spain (3) EGGNOVO S.L., Navarre, (Spain)
- P257 The REACHES Study: Design of an Innovative Patient Centric Trial in a Novel Setting**
Marie Mc Carthy (1) Bill Byrom (1), Brenda Reginatto (2) Susie Donnelly (2) Barry Greene (3), J. Patrick Bewley (4), Willie Muehlhausen (1). (1). ICON PLC, Dublin Ireland (2). ARCH, Dublin, Ireland

(3).Kinesis Health Technologies, Dublin, Ireland (4). Big Cloud Analytics, Atlanta, Georgia, USA

- P258 Social capital among people with frailty in Rural Area**
Ki-Soo Park Department of Preventive Medicine, Gyeongsang National University, Jinju Korea- Center for Farmers Safety and Health of Gyeongsang National University Hospital
- P259 Prevention of post-influenza muscle declines with aging**
Jenna M Bartley PhD (1,2), Spencer Keilich, BS (1), George A. Kuchel, MD (1), and Laura Haynes, PhD (1,2) - (1)UCConn Center on Aging and (2) Department of Immunology, University of Connecticut Health Center, Farmington (USA)
- P260 Imbalanced mitochondrial dynamics in muscles of very old hip-fractured patients**
Anna Picca PhD, Riccardo Calvani, PhD, Maria Lorenzi, PhD, Amerigo Menghi, MD, Marco Galli, MD, PhD, Francesco Landi, MD, PhD, Roberto Bernabei, MD, Emanuele Marzetti, MD, PhD Department of Geriatrics, Neurosciences and Orthopedics, Catholic University of the Sacred Heart School of Medicine, Teaching Hospital "Agostino Gemelli", Rome, Italy
- P261 Resource based community development as an asset for integrated long term care for chronicity at community level**
Stella Tsartsara SEEH Athens (Greece)
- P262 Demonstration of the clinical utility of the "Functional Status Assessment of Seniors in the Emergency Department (FSAS-ED)" with independent seniors consulting Emergency Department (ED) for minor injuries**
Nathalie Veillette OT, PhD (1,2,3), Marie-Josée Sirois, OT, PhD (3,4, 5) - (1) Faculty of medicine, Montreal University, Montreal, Canada (2) Research Center, Institut universitaire de gériatrie de Montreal (CRIUGM), Montreal, Canada; (3) Canadian Emergency Team Initiative (CETI), Québec, Canada (4)Centre d'excellence sur le vieillissement de Québec (CEVQ), Québec, Canada (5) Centre de recherche du CHU de Québec, Québec, Canada;
- P263 The clinical utility of the Functional Status Assessment of Seniors in the Emergency Department (FSAS-ED) among frail patients: a longitudinal case control study**
Nathalie Veillette OT, PhD (1-2), Marie-Claude Beaudoin, OT (3) (1) Faculty of medicine, Montreal University, Canada - (2) Research Centre, Institut Universitaire de Gériatrie de Montreal, Canada (3) Centre intégré de santé et de services sociaux de la Montérégie-Est, Canada
- P264 Impact of sarcopenia on falls and hospitalizations in community dwelling older adults**
Kristy Du (1,2), Scott Goates (1), PhD, Mary Beth Arensberg (1), PhD, RDN, **Suzette Pereira** (1) PhD, Trudy Gaillard (3), PhD, RN, Refaat Hegazi (1), MD, PhD.(1)Abbott Nutrition, Columbus, Ohio, USA (2) Division of Nutritional Science, University of Illinois, Urbana-Champaign, Champaign, Illinois, USA (3) College of Nursing, University of Cincinnati, Cincinnati, Ohio, USA
- P265 The Role of Olfactory Function in Severe Sarcopenia in Elderly**
Yvonne Suzy Handajani PhD (1), Yuda Turana, PhD (2), Nelly Tina Widjaja, MD, MSC (1) - (1) Department of Public Health and Nutrition of Faculty of Medicine & Center for Health Research, Atma Jaya Catholic University (2) Department of Public Health and Nutrition of Faculty of Medicine, Atma Jaya Catholic University (3) Department of Public Health and Nutrition of Faculty of Medicine & Center for Health Research, Atma Jaya Catholic University
- P266 Total and segmental body composition and hand grip strength in patients with Alzheimer's disease**
Mereu, PhD (1), Valeria Succa, BS (1), Olga Catta MD (2), Rosa Maria Mereu, MD2, Paolo Lussu, BS (1), Elisabetta Marini PhD (1) - (1) Department of Life and Environmental Sciences, University of Cagliari, Italy (2) Geriatric Division, SS Trinità Hospital, ASL 8, Cagliari, Italy
- P267 Changes in Fried's frailty domains post-ventricular-assist device implantation and heart transplantation**
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- P268 The associated risk factors of low muscle mass in working population in southern Taiwan**
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- P269 Development of an integral assessment tool for the frail patient in primary care setting: study protocol**
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- P270 In vitro phenotypic comparison between young and aged human myotubes**
Loane Young, Eve Duchemin-Pelletier, Melanie Flaender, Pauline Poydenot, Mathieu Raul CYTOO SA, FRANCE
- P271 Late-life enalapril administration affects mitochondrial mass in the heart of old rats**
Anna Picca (1) PhD, Vito Pesce (2), PhD, Giuseppe Sirago (2), PhD, Riccardo Calvani (1), PhD, Christy S. Carter (3), PhD, Guglielmina Chimenti (2), PhD, Angela Maria Serena Lezza (2), PhD, Emanuele Marzetti (1), MD, PhD - 1 Department of Geriatrics, Neurosciences and Orthopedics, Catholic University of the Sacred Heart School of Medicine, Teaching Hospital "Agostino Gemelli", Rome, Italy 2 Department of Biosciences, Biotechnologies and Biopharmaceutics, University of Bari, Via Orabona, 4, 70125 Bari, Italy 3 Department of Aging and Geriatric Research, Institute on Aging, Division of Biology of Aging, University of Florida, 2004 Mowry Rd, Gainesville, FL 32611, USA
- P272 Muscle and tendon contributions to reduced rate of torque development in old age**
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- P273 Factors related to physical performance in frail elderly**
Ergun Bozoglu, ulku k. ertan (2), nuray kirdi (2), ahmet ozturk (1), galip buyukturan (3), Huseyin Doruk (1) - (1) Gulhane Military Medical Academy, Division of Geriatrics, Ankara, Turkey (2) Hacettepe University, Faculty of Health Sciences, Department of Physical Therapy and Rehabilitation, Ankara, Turkey. (3) Gulhane Military Medical Academy, Turkish Armed Forces Rehabilitation Center, Ankara, Turkey.
- P274 Effects of essential amino acids supplementation on functional outcomes in hip fractured patients: results of a 2 months multidisciplinary rehabilitative and nutritional randomized study**
Marco Invernizzi (MD,PhD (1), Federico D'Andrea MD (2), Carrara D. MD (2), Filippo Renò PhD (3), Manuela Rizzi PhD (3), Carlo Cisari MD (1) - (1) Physical and Rehabilitative Medicine, Department of Health Sciences, University of Eastern Piedmont "A. Avogadro" Novara, Italy (2) Clinical Nutrition Unit, AOU "Maggiore della Carità" Novara, Italy (3) Innovative Research Laboratory for Wound Healing, Department of Health Sciences, UNiversity of Eastern Piedmont "A. Avogadro" Novara, Italy
- P275 The use of a novel mechanistic biomarker to predict the driver of HDL suppression observed with Selective Androgen Receptor Modulators**
Aaron Hinken PhD (1), Guizhen Luo (1), Ann Walker (2), David Neil MD (1), Alan Russell PhD (1) - (1)Muscle Metabolism DPU, GlaxoSmithKline, Philadelphia, USA (2) PCPS – Clinical Statistics, GlaxoSmithKline, Philadelphia, USA
- P276 Comparison of respiratory muscle strength between sarcopenic and non-sarcopenic community-dwelling elderly women**
Tamiris Campos Duarte, MSc (1), Lygia Paccini Lustosa, PhD (2), Leonardo Augusto Teixeira, MSc (1) Franciane Pereira Brant (3), Adriana Netto Parentoni, PhD (4) - (1) Master's Degree student of the Programa de Pós Graduação em Reabilitação e Desempenho Funcional, UFVJM, Diamantina, MG, Brazil. (2) Physiotherapy Department, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil. (3) Undergraduate student of Physiotherapy, Universidade Federal dos Vales do Jequitinhonha e Mucuri, Diamantina, MG, Brazil; (4) Physiotherapy Department, Universidade Federal dos Vales do Jequitinhonha e Mucuri, Diamantina, MG, (Brazil)
- P277 Risk profile for sarcopenia in community-dwelling women living in diamantina-brazil**
Leonardo Augusto da Costa Teixeira, PT, MSc (1), Tamiris Campos Duarte PT, MSc (1), Lygia Paccini Lustosa, PT, PhD (2), Franciane Pereira Brant (3) Adriana Netto Parentoni, PT, PhD (4) - (1) Master's Degree student of the Programa de Pós Graduação em Reabilitação e Desempenho Funcional, UFVJM, Diamantina, MG, Brazil. (2) Physiotherapy Department, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil. (3) Undergraduate student of Physiotherapy, Universidade Federal dos Vales do Jequitinhonha e Mucuri, Diamantina, MG, Brasil; (4) Physiotherapy Department, Universidade Federal dos Vales do Jequitinhonha e Mucuri, Diamantina, MG, (Brasil)
- P278 Association between sarcopenia and inflammatory cytokines in community-dwelling women-preliminary study**
Tamiris Campos Duarte, PT, MSc (1), Lygia Paccini Lustosa, PT, PhD (2), Vanessa Amaral Mendonça, PT, PhD (3), Leonardo Augusto Teixeira, PT, MSc (1), Franciane Pereira Brant (4), Adriana Netto Parentoni, PT, PhD (3). (1) Master's Degree student of the Programa de Pós Graduação em Reabilitação e Desempenho Funcional, UFVJM, Diamantina, MG, Brazil. (2) Physiotherapy Department, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil. (3) Physiotherapy Department, Universidade Federal dos Vales do Jequitinhonha e Mucuri, Diamantina, MG, Brazil; (4)- Undergraduate student of Physiotherapy, Universidade Federal dos Vales do Jequitinhonha e Mucuri, Diamantina, MG, Brazil;
- P279 Correlation between functionality, allostatic load and socio-economic status of community-dwelling seniors age 80 years and older**
Adriana Netto Parentoni, PT, PhD(1), Márcia Maria Marques (2), Tamiris Campos Duarte, PT MSc (3), Leonardo Augusto Teixeira, PT, MSc (3) Franciane Pereira Brant (2), Tatiane Roberta do Nascimento (2), Leani Souza Máximo Pereira, PT, PhD (4), Lygia Paccini Lustosa, PT, PhD (4) (1) Physiotherapy Department, Universidade Federal dos Vales do Jequitinhonha e Mucuri, Diamantina, MG, Brazil; (2) Undergraduate student of Physiotherapy, Universidade Federal dos Vales do Jequitinhonha e Mucuri, Diamantina, MG, Brazil; (3) Master's Degree student of the Programa de Pós Graduação em Reabilitação e Desempenho Funcional, UFVJM, Diamantina, MG, Brazil. (4) Physiotherapy Department, Universidade Federal de Minas Gerais, Belo Horizonte, MG, (Brazil)
- P280 Functional parameters and physical activity among nursing home residents: Positive associations with quality of life and verbal memory**
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- P281 Central obesity is linked to a combined phenotype of frailty with functional limitations in older subjects (≥ 65yrs): a cross sectional national survey**
Assaf Buch (1,2,3), Eli Carmeli (1,4), Yitshal Berner(2,5),Lital Keinan Boker (6,7) Ofer Kis (1), Gabi Shefer (1,2), Yonit Marcus (1,2), Rebecca Goldsmith (8), Yaniv Stein (9), Lee Gold (9), Naftali Stern(1,2) (1) Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel - (2) The Sackler Faculty of Medicine, Tel-Aviv University, Israel (3) Robert H Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot, Israel (4) The Department of Physical Therapy, University of Haifa, Haifa, Israel (5) Meir Medical Center, Kfar Saba, Israel (6) School of Public Health, University of Haifa, Haifa, Israel (7) Israel Center for Disease Control, Israel Ministry of Health, Ramat Gan, Israel (8) Nutrition Department, Ministry of Health, Israel (9) School of Mathematical Sciences, Statistics & Operations Research Department, Tel-Aviv University, Israel
- P282 Circuit resistance training is an effective means to enhance muscle strength in older adults: A Systematic Review and Meta-analysis**
Assaf Buch (1,2,3), (MSc), Ofer Kis (MPE) (1), Eli Carmeli (PhD) (1,4), Lital Keinan-Boker (MD, PhD) (5,6), Yitshal Berner (MD, MPH) (2,7), Yael Barer (MSc) (2), Gabi Shefer (PhD) (1), Yonit Marcus (MD, PhD) (1), Naftali Stern (MD) (1,2) - (1)Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel (2)The Sackler Faculty of Medicine Tel-Aviv University, Israel (3) Robert H Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot, Israel (4)The Department of Physical Therapy, University of Haifa, Haifa, Israel (5)School of Public Health, University of Haifa, Haifa, Israel (6) Israel Center for Disease Control, Israel Ministry of Health, Ramat Gan, Israel (7) Geriatric Medicine, Meir Medical Center, Kfar Saba, Israel
- P283 Definition and comparison of sarcopenia cutoffs for CT muscle area from renal donor candidates: a retrospective cross-sectional study**
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- P284 Mitofrailty as a biomarker of aging**
 Elisa Calabria, Massimo Venturelli, **Federico Schena** University of Verona (Italy)
- P285 Earlier morphological adaptations to moderate-load eccentric versus concentric exercise in older men**
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 Quinlan JJ, Atherton PJ, Smith K, Szwedczyk N, Greenhaff P, Narici MV MRC-ARUK Centre of Excellence for Musculoskeletal Ageing Research, Division of Medical Sciences & Graduate Entry Medicine, School of Medicine, University of Nottingham, Derby, UK
- P286 Determinants of incident frailty among adults aged 50 or older with human immunodeficiency virus**
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- P287 Blood transfusion and discharge disposition in patients with hereditary muscular dystrophy undergoing elective total hip and knee arthroplasty**
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- P288 A 20 year analysis of blood transfusion utilization and discharge disposition following total hip and knee arthroplasty in patients with osteoporosis**
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- P289 The effect of contrast-enhancement on computed tomography-based skeletal muscle mass and skeletal muscle density measurements**
J.L.A. van Vugt (1), K.M. Veen (1)*, H.J.W. Schippers (1)*, R.R.J. Coebergh van den Braak (1), S. Levolger (1), Ron W.F. de Bruin (1), J.N.M. IJzermans (1), F.E.J.A. Willemsen (2) - (1) Department of Surgery, Erasmus University Medical Center, Rotterdam, the Netherlands (2) Department of Radiology, Erasmus University Medical Center, Rotterdam, the Netherlands * contributed equally to this study
- P290 The creation of uniform cut-off values for skeletal muscle mass measurements on abdominal computed tomography scans in healthy subjects**
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- P291 Low Skeletal Muscle Mass is Associated with Increased Hospital Costs in Patients with Cirrhosis Listed for Liver Transplantation**
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- P292 Skeletal muscle density, but not skeletal muscle mass, is associated with impaired survival in patients with suspected perihilar cholangiocarcinoma and may identify patients at risk for early death**
J.L.A. van Vugt (1) Marcia P. Gaspersz (1), Jaynee Vugts (1), Stefan Buettner (1), Stef Levolger (1), Ron W.F. de Bruin (1), Wojciech G. Polak (1), Jeroen de Jonge (1), François E.J.A. Willemsen (2), Bas Groot Koerkamp (1), Jan N.M. IJzermans (1) - (1)Department of Surgery, Erasmus University Medical Center, Rotterdam (2) Department of Radiology, Erasmus University Medical Center, Rotterdam
- P293 Altered expression of the long non-coding RNA H19 in skeletal muscle is associated with low muscle mass in community-dwelling older adults: findings from the Hertfordshire Sarcopenia Study (HSS)**
E Antoun , E Migliavacca, E Garratt, S Barton, P Titcombe, L Westbury, A Charpagne, A Baczynska, R Dodds, H Roberts, A Sayer, S Shaw, A Sheppard, C McFarlane, P Descombes, C Cooper, KM Godfrey, JN Feige, K Lillycrop , HP Patel - Institute of Developmental Sciences, University of Southampton (UK)
- P294 Polypharmacy based on the data of inpatient assessment for elderly cancer patients in general hospital**
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- P295 Intravenous Infusion of Allogeneic Human Mesenchymal Stem Cells Improve Aging Frailty**
Ana Marie Landin PhD (1,2), Bryon A. Tompkins, FedeMD (2,3), Samuel Golpanian, MD (2,3), Darcy L. DiFede (1), Khan, MSc (2), Anthony A. Oliva, Jr., PhD (1), Geoff Green, MBA (1), Pascal J. Goldschmidt, MD (4,5), Joshua M. Hare, MD (1,2,4,5) - (1) Longeveron, LLC, Miami, FL, USA (2) Interdisciplinary Stem Cell Institute, University of Miami Miller School of Medicine, Miami, FL, USA (3) Department of Surgery, University of Miami Miller School of Medicine, Miami, FL, USA (4) Department of Medicine, University of Miami Miller School of Medicine, Miami, FL, USA (5) Division of Cardiology, University of Miami Miller School of Medicine, Miami, FL, USA
- P296 Habitual recreational dancing protects against sarcopenia by reducing neuromuscular degeneration and loss of function**
Narici MV (1) Badiali F (2), Franchi MV (1), Williams JM (1,3), Herrod P (1,3), Lund J (1,3) - (1) MRC-ARUK Centre of Excellence for Musculoskeletal Ageing Research, Metabolic Physiology, School of Graduate Entry Medicine and Health, University of Nottingham (2) University of Bologna 'Alma Mater Studiorum' (3) Division of Surgery, Royal Derby Hospital, Derby
- P297 Association of self-reported musculoskeletal symptoms with serum levels of vitamin D and multivariate cytokine profile in healthy women**
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- P298 Distinguishing frailty and sarcopenia: a biological approach**
 Ng Tze Pin (1), Xavier Camous (2), Olivier Cexus (2), Chystal Tan Tze Ying (2), Koolarina Suku (2) **Anis Larbi** (2,3,4) - (1) YLL School of Medicine, University of Singapore, Singapore (2) Biology of Aging Laboratory, Singapore Immunology Network, Agency for Science Technology and Research (A*STAR), Singapore (3) Faculty of Medicine, University of Sherbrooke, QC, Canada (4) Department of Biology, Faculty of Sciences, ElManar University, Tunis, (Tunisia)

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