

8:00/8:30am **Welcome by the Organizing Committee**
Roger Fielding (Boston, USA), Jack Guralnik (Philadelphia, USA), Matteo Cesari, Bruno Vellas, (Toulouse, France)

8:30/9:00am **KEYNOTE 1: EPIDEMIOLOGY OF SARCOPENIA: DETERMINANTS THROUGHOUT THE LIFECOURSE**
Chairman: Roger Fielding (Boston, USA)
Cyrus Cooper University of Oxford - (UK)

9:00/10:00am **SYMPOSIUM 1: WHAT WE HAVE LEARNED FROM LARGE CLINICAL TRIAL ON FRAILTY AND SARCOPENIA**
Chairmen: Roger Fielding Tufts University (Boston, USA), Shalender Bhasin (Boston, USA), Bruno Vellas, (Gérontopôle Toulouse, France)
• What we have learned from testosterone trials?
Shalender Bhasin Harvard Medical School - Boston - (USA)
• Lessons learned from sarcopenia drug trials:
Roger Fielding Tufts University - Boston - (USA)
• MAPT Trial: Mobility and cognitive endpoint:
Bruno Vellas Gérontopôle - Toulouse - (France)

10:00/10:30am **ORAL COMMUNICATIONS:**

Chairman: Bruno Vellas (Toulouse, France)

10:00am **OC1: Changes in Body Composition relative to Physical Activity Changes in Older Men: The MrOS study**
Deepika Laddu PhD (1), 1Stanford Prevention Research Center, Department of Medicine, Stanford University, Stanford, CA Peggy Cawthon, PhD (2), Neeta Parimi (2), Andrew Hoffman, MD (3), Eric Orwoll, MD (4), Iva Miljkovic, MD, PhD (5), Tien L Dam, MD (6), Marcia Stefanick, PhD (1) - (2) San Francisco Coordinating Center, California Pacific Medical Center Research Institute, San Francisco, CA - (3) Department of Medicine, Stanford University, Stanford, CA - (4) Department of Medicine, Oregon Health & Sciences University, Portland, OR - (5) Department of Epidemiology, University of Pittsburgh, Pittsburgh, PA - (6) Department of Medicine, Columbia University, New York, NY, (USA)

10:15am **OC2: Psoas Muscle Area and Muscle Fat Infiltration Before and After Antiretroviral Therapy Initiation in HIV Infection**
Fadzai Masawi (1), MS. Suzanne Fiorillo, MSPH (1). Jordan E. Lake, MD, MSc (2). , Grace A. McComsey, MD (3), Todd T Brown, MD, PhD (4), Ann Scherzinger, PhD (1) - (1), Kristine M. Erlandson, MD, MSc (1) - (1) University of Colorado-Anschutz Medical Center; Aurora, CO (2) University of California, Los Angeles, CA (3) Case Western University; Cleveland, OH (4) Johns Hopkins University; Baltimore, MD, (USA)

10:30/11:00am **COFFEE BREAK AND POSTERS**

11:00/12:00am **SYMPOSIUM 2: MUSCLE QUALITY IN SKELETAL MUSCLE FUNCTION DEFICIT AND OTHER AGING RELATED MUSCLE DYSFUNCTIONS: THE NEED FOR STANDARDIZED ASSESSMENT**
Chairman: Anne B. Newman, MD, MPH, Center for Aging and Population Health, Graduate School of Public Health, University of Pittsburgh, Pennsylvania, (USA)

• Framing the Issue: What Defines Muscle Quality? Metabolic Capacity and Impact on Muscle Quality.

Todd Mannini, PhD, Institute on Aging, University of Florida College of Medicine, Gainesville, Florida, (USA)

• The Use of Standard Imaging Measures of Muscle Quality: Effects of Myosteatosis on Muscle Performance and Metabolic Status. Determinants of Muscle

Iva Miljkovic, MD, PhD, Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pennsylvania, (USA)

• Alternative Clinical Imaging Measures of Muscle Quality: Impact of Muscle Quality on Functional Performance and Sarcopenia Staging.

Michael O. Harris-Love, DSc, MPT, VA Medical Center and The Milken Institute School of Public Health, George Washington University, (USA)

12:00/12:30pm **KEYNOTE 2: "A MONOCLONAL ANTIBODY FOR TREATMENT OF MUSCLE WASTING"**

Chairman: Matteo Cesari (Toulouse, France)

Ronenn Roubenoff, Novartis Institutes for Biomedical Research, Cambridge, MA, USA and Basel, (Switzerland)

12:30/1:30pm **LUNCH BREAK AND POSTERS**

PARALLEL SESSIONS • BALLROOM 1

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

Chairmen: Jack Guralnik (Baltimore, USA), Marco Narici (Nottingham, UK)

1:30pm **OC3: Blood Based Bioenergetic Profiling Reports on Muscle Mitochondrial Function and is Associated with Multiple Measures of Physical Ability**

Daniel J. Tyrrell (1), **Manish Bharadwaj**, PhD (1), **Thomas C. Register**, PhD (2), **Anthony J.A. Molina**, PhD (1) - (1) Sticht Center on Aging and Department of Internal Medicine, Section on Gerontology and Geriatrics, Wake Forest School of Medicine, Winston-Salem, North Carolina (2) Center for Comparative Medicine Research, Wake Forest School of Medicine, Winston-Salem, North Carolina (USA)

1:45pm **OC4: Low lean mass exaggerates the hemodynamic responses to muscle metaboreflex activation in postmenopausal women**

Arturo Figueroa, MD, PhD Department of Nutrition, Food and Exercise Sciences, Florida State University, USA. **Salvador J. Jaime**, MS (1) **Sarah A. Johnson**, PhD (2) **Stacey Alvarez-Alvarado**, MS (1) **Jeremiah C. Campbell**, MS(1) **Rafaela G. Feresin**, PhD (3) **Marcus L. Elam**, PhD (4) **Bahram H. Arjmandi**, PhD (1) - (2) Department of Food Science and Human Nutrition, Colorado State University, Fort Collins, USA - (3) Department of Dietetics and Nutrition, University of Arkansas for Medical Sciences, Little Rock, USA - (4) Department of Human Nutrition and Food Science, California State Polytechnic University, Pomona, (USA)

2:00pm **OC5: Self-reported difficulty with physical function is a significant predictor of future declines in cognitive function**
Masato Nakazawa, PhD (1,2,3) Arimi Fitri, PhD(1) Julie Suh; PhD (1,4) and Brian C. Clark, PhD (1,2,5) - (1) Ohio Musculoskeletal & Neurological Institute (OMNI), Ohio University, Athens, OH, USA - (2) Department of Biomedical Sciences, Ohio University, Athens, OH, USA - (3) Office of Research and Grants Biostatistics Division, Heritage College of Medicine, Ohio University, Athens, OH, USA - (4) Department of Psychology, Ohio University, Athens, OH, USA - (5) Department of Geriatric Medicine, Ohio University, Athens, OH, (USA)

2:15pm **OC6: Dancing in old age afford neuromuscular protection**
Marco Narici (1), Kathrin Rehfeld (2), Notger Müller (3) Debbie Rankin (1), and Anita Hökelmann (2) - (1) University of Nottingham, School of Graduate Entry Medicine and Health, Derby Royal Hospital, Derby, United Kingdom - (2) Otto- von- Guericke- Universität Magdeburg, Institut für Sportwissenschaft, Magdeburg, Germany - (3) German Centre for Neurodegenerative Diseases (DZNE), Helmholtz Association, Magdeburg, Germany

2:30/3:30pm **SYMPOSIUM 3: A Mouse Model of Chronic Inflammation, Sarcopenia and Phenotypic Frailty**
 Chairman: *Jeremy D. Walston, MD, Division of Geriatric Medicine and Gerontology, Johns Hopkins University School of Medicine, Baltimore, Maryland (USA)*
 • **Age- and Inflammation-related Alterations in the Renin Angiotensin System Mediate Pathological Changes in Cardiomyocytes**
Peter Abadir MD, Division of Geriatric Medicine and Gerontology, Johns Hopkins University School of Medicine, Baltimore, Maryland, (USA)
 • **Skeletal Muscle Declines in the IL-10 KO Mouse**
Tyesha N. Burks, PhD, Division of Geriatric Medicine and Gerontology, Johns Hopkins University School of Medicine, Baltimore, Maryland, (USA)
 • **The Metabolic Characterization of the Interleukin-10tm1Cgn Mouse**
Reyhan Westbrook , PhD1, Division of Geriatric Medicine and Gerontology, Johns Hopkins University School of Medicine, Baltimore, (USA)

3:30/4:00pm **COFFEE BREAK AND POSTERS**

4:00/4:30pm **KEYNOTE 3: "SKELETAL MUSCLE FAT INFILTRATION WITH AGING: SHIFTING THE SARCOPENIA PARADIGM"**
 Chairman: *Yves Rolland (Toulouse - France)*
Brett Goodpaster, Florida Hospital, Sanford Burnham Medical Research Institute, Orlando, FL, (USA)

4:30/5:30pm **SYMPOSIUM 4: Physical Frailty and Sarcopenia: Magnitude of the problem and possible solutions**
 Chairmen: *Francesco Landi, Department of Geriatrics, Neurosciences and Orthopedics – Catholic University of the Sacred Heart, Rome, (Italy), Matteo Cesari, Gérontopôle de Toulouse. INSERM 1027. Toulouse University Hospital, (France)*
 • **Prevalence of Sarcopenia in frail older adults - Results from the Frailty Day Hospital**
Gabor Abellan van Kan, MD2 (2) Gérontopôle de Toulouse. INSERM 1027. Toulouse University Hospital, Matteo Cesari, MD, PhD (2), Sandrine Sourdet, MD (2), Bruno Vellas, MD, PhD (2) - (2) Gérontopôle de Toulouse. INSERM 1027. Toulouse University Hospital, (France)
 • **Physical activity to contrast physical frailty and sarcopenia**
Matteo Tosato, MD, PhD (1) - (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, Italy, Emanuele Marzetti, MD PhD (1), Riccardo Calvani, PhD (1), Anna Maria Martone, MD (1), Elena Ortolani, MD (1), Francesco Landi, MD, PhD (1) (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, (Italy)
 • **Role of nutrition in physical frailty and sarcopenia**
Riccardo Calvani, PhD1 (1) Department of Geriatrics, Neurosciences and Orthopedics – Catholic University of the Sacred Heart, Rome, Italy - Emanuele Marzetti, MD PhD (1), Matteo Tosato, MD, PhD (1), Anna Maria Martone, MD (1), Elena Ortolani, MD (1), Francesco Landi, MD, PhD (1) - (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, (Italy)
 • **SPRINTT clinical trial deployment**
Emanuele Marzetti, MD, PhD (1) - (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, Italy Riccardo Calvani, PhD (1), Matteo Tosato, MD, PhD (1), Anna Maria Martone, MD (1), Elena Ortolani, MD (1), Francesco Landi, MD, PhD (1) - (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, (Italy)

5:30/6:00pm **ORAL COMMUNICATIONS**
 Chairmen: *Yves Rolland (Toulouse, France), Jonathan Quinlan (Nottingham, UK)*

5:30pm **OC7: Bioactive Collagen Peptides as a new concept for the treatment of sarcopenia – overview of the current research**
Steffen Oesser Collagen Research Institute Schauneburger str. 116 24118 Kiel (Germany)

5:45pm **OC8: The decline in rate of torque development with ageing is associated with a decrease in tendon stiffness**
Jonathan Quinlan (1),MRC--ARUK Centre of Excellence for Musculoskeletal Ageing Research, Division of Medical Sciences & Graduate Entry Medicine, School of Medicine, University of Nottingham, Derby, UK - Martino V Franchi (1),Bethan E Phillips (1), PaulGreenhaff (2),NathanielSzewczyk (1),Philip J Atherton (1), Kenneth Smith (1), Costantinos N Maganaris (3) & Marco V Narici (1) - (1) MRC--ARUK Centre of Excellence for Musculoskeletal Ageing Research, Division of Medical Sciences & Graduate Entry Medicine, School of Medicine, University of Nottingham, Derby, UK (2) MRC--ARUK Centre of Excellence for Musculoskeletal Ageing Research, School of Life Sciences, University of Nottingham, QMC, Nottingham, UK. (3) Research Institute for Sport and Exercise Sciences, Liverpool John Moores University, Liverpool, UK.

The Organizing Committee is pleased to invite all congress delegates to a
Thursday 28 April from 6.30 pm to 8.00 pm at the
READING TERMINAL MARKET
 12TH & ARCH STREETS, Philadelphia

WELCOME RECEPTION

To have access to the reception, please present your invitation card or conference badge.

PARALLEL SESSIONS • BALLROOM 2

- 1:30/2:30pm **SYMPOSIUM 5: Models of Care For Frail Older People In The Community**
 Chairman: Renuka Visvanathan , PhD, Director, Adelaide Geriatrics Training and Research with Aged Care (GTRAC) Centre and Lead, Centre of Research Excellence: Frailty Trans-disciplinary Research To Achieve Healthy Ageing, University of Adelaide, (South Australia)
 • **Frailty levels in residential aged care facilities measured with the Frailty Index and FRAIL-NH Scale**
Olga Theou PhD Geriatric Medicine, Dalhousie University and Nova Scotia Health Authority, Halifax, Nova Scotia, Canada & Centre of Research Excellence: Frailty Trans- disciplinary Research To Achieve Healthy Aging, University of Adelaide, (South Australia)
 • **Approaches to frailty treatment in frail and pre-frail community living older people**
Renuka Visvanathan PhD, Director, Adelaide Geriatrics Training and Research with Aged Care (GTRAC) Centre and Lead, Centre of Research Excellence: Frailty Trans-disciplinary Research To Achieve Healthy Ageing, University of Adelaide, (South Australia)
 • **Towards a Patient Centred Virtual Orthogeriatric Liaison Service - lessons from a hip fracture outcomes study**
Mellick Chehade, PhD Orthopaedic and Trauma Surgeon, Discipline of Orthopaedics and Trauma, The University of Adelaide, Adelaide, Australia & Centre of Research Excellence: Frailty Trans-disciplinary Research To Achieve Healthy Aging, University of Adelaide, (South Australia)
- 2:30/3:30pm **ORAL COMMUNICATIONS**
 Chairmen: Yves Rolland (Toulouse, France), Joshua F. Baker (Philadelphia, USA)
- 2:30pm **OC9: Efficiency of oral supplementation for malnourished nursing home residents: Results of the PRESAGE study**
Y Rolland, D Seguy, C Bonhomme, G Abellan, S Walrand, Y Boirie, B Vellas Toulouse, (France)
- 2:45pm **OC10: Characterization of the Lean-Fat Mass Associations in Age, Sex, and Racial Groups and the Development of Fat-adjusted Measures of Low Lean Mass and Sarcopenia**
Joshua F. Baker (1,2,3) (1)Philadelphia Veterans Affairs Medical Center, Philadelphia, (2) University of Pennsylvania, School of Medicine, Philadelphia, (3) Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania, Philadelphia, David Weber, (4) Jin Long6 - Mary B. Leonard (6) - Babette Zemel (7) - Joshua F. Baker (1,2,3,4) Division of Endocrinology and Diabetes, Golisano Children's Hospital, University of Rochester, Rochester, (5) Children's Hospital of Philadelphia, Philadelphia, US (6) Department of Pediatrics and Medicine, Stanford University, Stanford, (USA)
- 3:00pm **OC11: The validity and reliability of a hand-held ultrasound device to measure muscle size**
W. Nijholt, MSc, Research Group Healthy Ageing, Allied Health Care and Nursing, Hanze University of Applied Sciences, Groningen, Netherlands - H Jager-Wittenaar, PhD, RD (1,2) E.V.A. Gorter BSc (1), J.S.M. Hobbelen PhD PT (1), C.P. van der Schans, PhD PT (1,3) - (1) Research Group Healthy Ageing, Allied Health Care and Nursing, Hanze University of Applied Sciences, Groningen, The Netherlands (2) Department of Oral and Maxillofacial Surgery, University of Groningen, University Medical Center Groningen, Groningen, The Netherlands (3) Department of Rehabilitation Medicine, University of Groningen, University Medical Center Groningen, Groningen, (The Netherlands)
- 3:15pm **OC12: Frailty and Computerized Tomography (CT) Assessed Body Composition in Older Adults with Cancer**
Grant R. Williams MD, UNC Lineberger Comprehensive Cancer Center, Chapel Hill, NC - Allison M. Deal MS (1), Hyman B. Muss MD (1), Hanna K. Sanoff MD MPH (1), Marc S. Weinberg PhD (2), and Shlomit Strulov Shachar MD (1,3) (1) UNC Lineberger Comprehensive Cancer Center, Chapel Hill, NC (2) University of North Carolina School of Medicine, Chapel Hill, NC (3) Division of Oncology, Rambam Health Care Campus, Haifa, Israel
- 3:30/4:00pm **COFFEE BREAK AND POSTERS**
- 4:00/5:00pm **SYMPOSIUM 6: Kinetic and Static Biomarkers for changing skeletal muscle mass and function: Stable isotope research comes of age**
 Chairman: William Evans, KineMed and Division of Geriatrics, Duke University (USA)
 • **Stable Isotope research comes of age: 2H2O labeling and kinetic biomarkers as predictors of effects of disease and treatment**
Marc Hellerstein, KineMed and Department of Nutrition, University of California, Berkeley (USA)
 • **Rate of Muscle Protein Synthesis as a Biomarker for Muscle Wasting and Anabolic Response**
William Evans, KineMed and Division of Geriatrics, Duke University (USA)
 • **Creatine Dilution for the measurement of muscle mass in old men: Association with functional status in the MrOs trial**
Eric Orwoll, Oregon Health & Science University (USA)
- 5:00/5:45pm **ORAL COMMUNICATIONS**
 Chairmen: Roger A. Fielding (Boston, USA), Miriam Zylberglait Lisigurski (Miami, USA)
- 5:00pm **OC13: Impact of a structured physical activity program and nutritional supplementation on regional body composition: results from the Vitality, Independence, and Vigor in the Elderly 2 Study (VIVE2)**
Roger A. Fielding (1)Dylan R. Kim (1), Afsaneh Koochek (2), Kieran F. Reid (1), Jonathan C. Laussen (1), Thomas Gustafsson (3), Tommy Cederholm (2) (1) Nutrition, Exercise Physiology, and Sarcopenia Laboratory, Jean Mayer USDA Human Nutrition Research Center on Aging, Tufts University, Boston, Massachusetts. (2) Clinical Nutrition and Metabolism, Department of Public Health and Caring Sciences, Uppsala University, Uppsala, Sweden. (3) Department of Laboratory Medicine, Karolinska Institutet, Stockholm, Sweden
- 5:15pm **OC14: Blockade of Myostatin activation specifically and potently enhances muscle growth in vivo**
A. Donovan, J. Jackson, S. Wawersik, K. Long, D.Y. Lee, G. Carven, N.K. Mahanthappa, K. J. Turner and **M. Pirruccello-Straub** - Scholar Rock
- 5:30pm **OC15: Frailty and health care utilization in older community dwelling veterans**
Miriam Zylberglait Lisigurski Jackson Memorial Hospital, University of Miami Miller School of Medicine and Geriatric Research, Education and Clinical Center Bruce W. Carter Miami VAMC Miriam Zylberglait Lisigurski MD, Yolín Bueno MD, Chandana Karanam MD, Sisir Akkineni MD, Victor Cevallos MD, and Jorge G. Ruiz, MD. Jackson Memorial Hospital, Miami VA Healthcare System Geriatric Research, Education and Clinical Center (GRECC), University of Miami Miller School of Medicine

PARALLEL SESSIONS • BALLROOM 1

- 8:00/9:00am **ORAL COMMUNICATIONS**
Chairmen: Matteo Cesari (Toulouse, France), Kenneth L.Seldeen (Buffalo, USA)
- 8:00am **OC16: Higher UPDRS3-score is associated with early stage sarcopenia**
Sandra E. Hasmann, MD (1,3), **Michael Drey**, MD PHD (1,2), Jan-Peter Krenovsky (1), Walter Maetzler, MD PHD (3) - (1)Medizinische Klinik und Poliklinik IV (Internal Medicine), Section Geriatrics, Klinikum der Universität München (LMU), München(2) Institute for Biomedicine of Aging, University of Erlangen Nürnberg, Nürnberg, Germany(3)Hertie Institute for Clinical Brain Research and University Hospital of Neurology, section Neurodegenerative Diseases, Tuebingen
- 8:15am **OC17: High Intensity Interval Training (HIIT) increases muscle mass, improves physical performance, and reduces frailty in aged mice**
Kenneth L. Seldeen, PhD, Division of Geriatrics and Palliative Medicine, Department of Medicine, University at Buffalo, & Research Service, Veteran Affairs Western New York Healthcare System, Buffalo, NY - Merced Leiker, MS & Bruce R. Troen, MD Division of Geriatrics and Palliative Medicine, Department of Medicine, University at Buffalo, & Research Service, Veteran Affairs Western New York Healthcare System, Buffalo, NY, (USA)
- 8:30am **OC18: Influenza vaccine response in community-dwelling German prefrail/frail older persons**
Jürgen Bauer, MD, PhD (1) Rebecca Diekmann, PhD (1) Celine Romagny (2) Antonio De Castro (2) Sonja Nodland, PhD (3)Jalil Benyacoub, PhD (2) Karine Vidal, PhD2 - (1) Department of Geriatric Medicine, Carl von Ossietzky University Oldenburg, Germany (2) Nestlé Research Center, Lausanne, Switzerland (3) Biothera Health Inc, a subsidiary of Kerry Group PLC, Eagan, MN, (USA)
- 8:45am **OC19: Outpatient Comprehensive Geriatric Assessment - Effects on frailty in community dwelling elderly people with multimorbidity - an RCT.**
Amelie Lindh Mazya MDPHD student (1,2) - (1)Department of Neurobiology, Care sciences and Society, Karolinska Institutet, Stockholm, Sweden(2)Geriatric Department of Danderyd Hospital, Stockholm, Sweden - Anne Ek Dahl, MD PhD (1,3) Peter Garvin PhD MHP (4), Mitra Unosson RN PhD (5) - (3)Department of research and education, Helsingborg hospital, Region Skåne, Sweden (4) Unit of Research and Development in Local Health Care, Region of Östergötland, Linköping, Sweden (5)Department of Social and Welfare Studies, Linköping University, (Sweden)
- 9:00/10:00am **SYMPOSIUM 7: Muscle Indices Underlying Functional Decline in Aging Populations**
Chairman: Brock Beamer, MD, Division of Gerontology and Geriatric Medicine, Baltimore VAMC GRECC and Department of Medicine, University of Maryland School of Medicine, Baltimore, MD, (USA)
- **Conditions of muscle disease related disablement**
Alice S. Ryan PhD, VA Research Service, Division of Gerontology and Geriatric Medicine, Department of Medicine, University of Maryland School of Medicine, Baltimore VAMC GRECC Baltimore, MD, (USA)
 - **Specificity of muscle changes and risk of falls**
Odessa Addison, DPT, PhD, VA Research Service, Division of Gerontology and Geriatric Medicine, Department of Medicine, University of Maryland School of Medicine, Baltimore VAMC GRECC Baltimore, MD, (USA)
 - **Translating science into rehabilitation interventions**
Mario Inacio, Department of Physical Therapy and Rehabilitation Science, University of Maryland School of Medicine, Baltimore, MD, (USA)
- 10:00/10:30am **KEYNOTE 4: EMA GUIDANCE ON BASELINE FRAILTY CHARACTERIZATION OF CLINICAL TRIALS POPULATIONS FOR DRUG REGISTRATION"**
Chairman: Bruno Vellas (Toulouse, France)
Francesca Cerreta, European Medicines Agency (Italy)
- 10:30/11:00am **COFFEE BREAK AND POSTERS**
- 11:00/12:00am **ORAL COMMUNICATIONS:**
Chairmen: Jacques Yves Reginster (Liege, Belgium), Johanna T Dwyer (Bethesda, USA)
- 11:00am **OC20: Results of geriatric cardiac surgery co-management of frail older patients with valvular heart disease**
Elena Ortolani, MD (1) - (1) Department of Geriatrics, Neurosciences and Orthopaedics, Teaching Hospital "Agostino Gemelli", Catholic University of the Sacred, Rome, Italy - Natalia Pavone, MD (2), Sara Forcina, BSc (2), Massimo Massetti, MD (2), Roberto Bernabei, MD (1), Emanuele Marzetti, MD, PhD (1)(1) Department of Geriatrics, Neurosciences and Orthopaedics, Teaching Hospital "Agostino Gemelli", Catholic University of the Sacred, Rome, Italy(2) Department of Cardiovascular Sciences, Catholic University of the Sacred Heart, Rome, (Italy)
- 11:15am **OC21: The Physical Frailty Phenotype in Adults of All Ages with End Stage Renal Disease (ESRD)**
Mara A. McAdams-DeMarco (1,2) Hao Ying ScM (1), Israel Olorundare MPH (1) Elizabeth King MD (1), Brian Buta MHS (4), Alden Gross PhD (2), Karen Bandeen-Roche PhD (3) Jeremy Walston MD (4), Dorry L. Segev MD PhD (1,2) - (1) Department of Surgery, JohnsHopkins University School of Medicine, Baltimore, MD.(2) Department of Epidemiology, Johns Hopkins School of Public Health, Baltimore, MD (3) Department of Biostatistics, Johns Hopkins School of Public Health, Baltimore, MD (4) Division of Geriatric Medicine and Gerontology, Johns Hopkins University School of Medicine, Baltimore, (USA)
- 11:30am **OC22: How is frailty identified and managed in emergency and acute care? A scoping review of evidence and policy**
Olga Theou (1) Kayla Mallery (1), Judah Goldstein (2), Joshua Armstrong (1), Jennifer Greene (2), Beverley Douglas (1), Breagh Devereaux (1), Jacques Lee (3), Kenneth Rockwood (1) - (1)Geriatric Medicine, Dalhousie University and Nova Scotia Health Authority, Halifax, Nova Scotia, Canada (2)Emergency Health Services Nova Scotia, Halifax, Nova Scotia, Canada(3) Sunnybrook Research Institute, Toronto, Ontario, (Canada)
- 11:45am **OC23: Dietary Supplements Marketed with Label Statements on Aging, Sarcopenia and Frailty in the NIH's Dietary Supplement Label Database (DSLDB)**
Johanna T Dwyer, Office of Dietary Supplements, National Institutes of Health, Bethesda, MD, USA - Richard Bailen MBA, MHA Office of Dietary Supplements, National Institutes of Health, Bethesda, MD, (USA)

12:00/12:30am **KEYNOTE 5: "WHAT ABOUT FAT? FRAILTY AND SARCOPENIA IN THE OBESITY ERA"**

Chairman: Leocadio Rodriguez Manas (Madrid, Spain)

Stephen B. Kritchevsky, the Wake Forest School of Medicine, (Winston-Salem, NC, USA)

12:30/1:30pm **LUNCH BREAK AND POSTERS**

1:30/3:30pm **ORAL COMMUNICATIONS**

Chairmen: Bertrand Fougère(Toulouse, France), G. Trivison (Boston, USA)

1:30pm **OC24: Inter-muscular Adipose Tissue is associated with raised levels of novel biomarker MCP-1 and poorer performance characteristics in a group of community dwelling older adults**

Lim JP (1,2) (1) Departement of Geriatric medicine. Tan Tock Seng Hospital. Singapore - (2) Institut of Geriatrics and Active Ageing. Tan Tock Seng Hospital. (Singapore)

1:45pm **OC25: Magnetic Resonance Imaging (MRI) and Spectroscopy (MRS) in Sarcopenia to visualize muscle morphology and quantify muscle fat**

Alexandra Grimm(1,2) Heiko Meyer, PhD (2), Mathias Nittka, PhD (2), Esther Raithele, PhD (2), Andreas Friedberger (1), Marc Teschler (1), Michael Uder, MD, PhD (3), Wolfgang Kemmler, PhD (1), Harald H. Quick, PhD (1,4) **Klaus Engelke**, PhD (1) - (1) Institute of Medical Physics, University Erlangen Nuremberg, Erlangen, Germany - (2) Siemens Healthcare GmbH, 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)

2:00pm **OC26: Feasibility and predictive validity for measurement of frailty in patients with cardiac implantable electrical devices (CIEDs)**

Daniel B. Kramer, MD (123), Timothy Tsai, MPH (1), Poorna P. Natarajan, MBBS2, Elise Tewksbury, RN, BSN2, Susan L. Mitchell, MD MPH(123), **Thomas G. Trivison**, PhD (123) - (1) Hebrew SeniorLife Institute for Aging Research, Roslindale, MA (2) Beth Israel Deaconess Medical Center, Boston, MA (3) Harvard Medical School, Boston, MA Senior authors contributed equally - Thomas G. Trivison, PhD. Hebrew SeniorLife Institute for Aging Research, Harvard Medical School, Boston, MA - Daniel B. Kramer, MD (123), Timothy Tsai, MPH(1), Poorna P. Natarajan, MBBS (2), Elise Tewksbury, RN, BSN (2), Susan L. Mitchell, MD MPH (123) - (2) Beth Israel Deaconess Medical Center, Boston, MA - (3) Harvard Medical School, Boston, MA, (USA)

2:15pm **OC27: Prevalence of sarcopenia in a population of nursing home residents according to their frailty status: results of the SENIOR cohort**

F. Buckinx (1,2) JY. Reginster (1,2) C. Beaudart (1,2) JL. Croisier (3) J.Petermans (4) O. Bruyère (1,2,3) - (1) Department of Public Health, Epidemiology and Health Economics, University of Liège, Belgium- (2) Support Unit in methodology and Biostatistics, University of Liège, Belgium - (3) Department of Motricity Sciences, University of Liège, Belgium - (4) Department of Geriatrics, CHU of Liège, (Belgium)

2:30pm **OC28 : Associations between dietary protein and magnesium and skeletal muscle mass and strength in men and women from the UK Biobank Cohort**

Ailsa A Welch Norwich Medical School, University of East Anglia, Norwich, Norfolk NR4 7TJ, UK - Mary Hickson, Imperial College Healthcare NHS Trust, Department of Nutrition and Dietetics, Charing Cross Hospital, Fulham Palace Road, London W6 8RF, (UK)

2:45pm **OC29: Grip Strength as an Indicator of Clinically Relevant Muscle Weakness in Older Americans: Identifying Cutpoints and National Prevalence Estimates by Race in the U.S. Health and Retirement Study**

Kate Duchowny(1) Mark Peterson (2), Philippa Clarke (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)

3:00pm **OC30: Association between Hemoglobin A1c and frailty in elderly community-dwelling individuals**

Shuangshuang Nie (1) Qianqian Sun (1) Ke Tan (2) Lingxiao Wang (1,3) Hai Qin (4) Ling Zhao (4) **Shuang Wang**(1) - (1) The Center of Gerontology and Geriatrics, West China Hospital, Sichuan University. (2) Department of Epidemiology and Health Statistics, West China School of Public Health, Sichuan University. (3) The Fifth People's Hospital of Chengdu. (4) PingYi Community Health Service Center of Dujiangyan City. (China)

3:15pm **OC31: Characterization of the heterogeneity within community dwelling malnourished older adults with sarcopenia**

Min Tian PhD (1) Suzette Pereira, PhD (1) Deborah Husted, PhD (1) Alfonso Cruz Jentoft, MD, PhD (2) Francesco Landi, MD, PhD (3) Mauro Zamboni, MD (4) Vikkie Mustad, PhD (1) - (1) Abbott Nutrition Research and Development, Columbus, OH, USA - (2) Hospital Universitario Ramón y Cajal, Madrid, Spain - (3) Università Cattolica del Sacro Cuore, Rome, Italy - (4) University of Verona, Verona, Italy

3:30/4:00pm **COFFEE BREAK AND POSTERS**

4:00/5:00pm **SYMPOSIUM 8: Frailty in Nursing Home: what we know and which solutions?**

Chairman: Mylene Aubertin-Leheudre, PhD. Département des Sciences de l'Activité Physique, Université du Québec à Montréal, Montréal, Canada; Centre de recherché de l'IUGM, Université de Montréal, Montréal, Canada; Groupe de recherche en Activités Physiques Adaptées, UQAM, Montréal, (Canada)

• **Frailty Index in nursing home - Results from the INCUR study.**

Matteo Cesari, MD. Gérontopôle de Toulouse, Institut du Vieillissement, Centre Hospitalo-Universitaire de Toulouse, Toulouse, France; UMR INSERM 1027, University of Toulouse III, Toulouse, (France)

• **Impact of hospitalization on frailty in NH residents.**

Yves Rolland, MD. Gérontopôle de Toulouse, Institut du Vieillissement, Centre Hospitalo-Universitaire de Toulouse, Toulouse, France. (2) UMR INSERM 1027, University of Toulouse III, Toulouse, (France)

• **An adapted physical activity gerontechnology to prevent frailty in nursing home and following minor injury**

Mylene Aubertin-Leheudre, PhD. Département des Sciences de l'Activité Physique, Université du Québec à Montréal, Montréal, Canada; Centre de recherché de l'IUGM, Université de Montréal, Montréal, Canada; Groupe de recherche en Activités Physiques Adaptées, UQAM, Montréal, (Canada)

- 5:00/6:15pm **ORAL COMMUNICATIONS**
Chairmen: Mylene Aubertin-Leheudre (Université du Québec à Montréal), D. Misra (Boston, USA)
- 5:00pm **OC32: Age associated decline in the conversion of Leucine to β Hydroxy- β Methylbutyrate in rats**
Sathyavageswaran Shreeram (1), and Suzette L. Pereira (2) - (1) Abbott Nutrition Research and Development, 20 Biopolis Way, Singapore 138668. - (2) Abbott Nutrition Research and Development, 3300 Stelzer Road, Columbus, Ohio 43219, (USA)
- 5:15pm **OC33: Frailty is associated with lower expression of genes involved in cellular response to stress**
Mariam El Assar, PhD (1), Javier Angulo, PhD (2), José Antonio Camicero, PhD (3), Francisco José García García, MD (3), Eva López-Hernández, PhD (4), José María Sánchez- Puelles, PhD (4), Leocadio Rodríguez-Mañas, MD, PhD (1,5) - (1) Instituto de Investigación Sanitaria del Hospital Universitario de Getafe, Getafe, Spain. (2) Instituto Ramón y Cajal de Investigación Sanitaria (IRYCIS), Hospital Ramón y Cajal, Madrid, Spain. (3) Hospital Virgen del Valle, Complejo Hospitalario de Toledo, Toledo, Spain. (4) Departamento de Medicina Celular y Molecular, Centro de Investigaciones Biológicas, Consejo Superior de Investigaciones Científicas. Madrid, Spain (5) Servicio de Geriátria, Hospital Universitario de Getafe, Getafe, (Spain)
- 5:30pm **OC34: Obesity, Sarcopenic Obesity or Sarcopenia: Which is a greater risk for Knee OA? MOST Study**
D. Misra, R. Fielding, (2) D.T. Felson, (1) M. Nevitt, (3) J. Torner, (4) C.E. Lewis, (5) T. Neogi (1) - (1) Boston University School of Medicine, Boston, MA - (2) Tufts University, Boston, MA - (3) University of California at San Francisco, San Francisco, CA - (4) University of Iowa, Iowa City, IA; - (5) University of Alabama at Birmingham, Birmingham, AL, (USA)
- 5:45pm **OC35: The incidence of sarcopenia among hospitalized older people: results from the GLISTEN Study**
Anna Maria Martone MD(1) - (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, Italy - Matteo Tosato, MD, PhD1, Stefano Volpato, MD, PhD (2), Emanuele Marzetti, MD, PhD (1), Riccardo Calvani, PhD (1), Alex Sisto, BSc (1), Elena Ortolani, MD (1), Francesco Landi, MD, PhD (1) - (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, Italy - (2) Department of Medical Science, University of Ferrara, (Italy)
- 6:00pm **OC36: An analysis of lifecourse influences on muscle strength: the role of diet quality in childhood**
Sian Robinson PhD (1,2), Sarah Crozier (1), Hazel Inskip (1), Keith Godfrey (1,2), - Nick Harvey (1,3), Cyrus Cooper (1,2,3), Avan Aihie Sayer (1,2,4,5) (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) NIHR Musculoskeletal Biomedical Research Unit, University of Oxford, Oxford, UK (4) NIHR CLAHRC Wessex - (5) Newcastle University Institute of Ageing and Institute of Health and Society, Newcastle University, (UK)

PARALLEL SESSIONS • BALLROOM 2

- 8:00/8:30am **ORAL COMMUNICATIONS**
Chairman: Thomas Hoogeboom (Nijmegen, the Netherlands)
- 8:00am **OC37: Feasibility and acceptability of a home-based exercise program (HEP) using a gerontechnology in community-living older adults after a minor injury.**
Martine Lauzé, MSc(c) (1,2,3) - (1) Département des Sciences de l'activité physique, Université du Québec à Montréal (UQAM), Montréal (Qc), Canada. (2) Groupe de Recherche en Activité Physique Adaptée (GRAPA), UQAM, Montréal (Qc), Canada. (3) Centre de recherche de l'Institut universitaire de gériatrie de Montréal (CRIUGM), Montréal (Qc), Canada. - Dominic Martel, MSc(c)1,2,3, Amandine Agnoux, MSc1,2,3, Marcel Émond, MD4, Marie-Josée Sirois, PhD4, Raoul Daoust, MD5, Mylène Aubertin Leheudre, PhD1,2,3. - (1) Département des Sciences de l'activité physique, UQAM, Montréal (Qc), Canada. - (2) GRAPA, UQAM, Montréal (Qc), Canada. - (3) CRIUGM, Montréal (Qc), Canada. - (4) Centre de Recherche CHUQ, Hôpital de l'Enfant Jésus, Québec (Qc), Canada. - (5) Hôpital du Sacré-Coeur de Montréal, Montréal (Qc), (Canada)
- 8:15am **OC38: The Coach2Move strategy: A novel cost-effective physical therapeutic intervention for frail older adults**
Thomas Hoogeboom PT PhD, (1) Radboud university medical center, Radboud Institute for Health Sciences, IQ healthcare, Nijmegen, the Netherlands Nienke de Vries-Farouh, PT PhD (2), Ria Nijhuis-van der Sanden, PT PhD (1,3) (2) Radboud university medical center, Department of Neurology (3) Radboud university medical center, Department of Rehabilitation, Nijmegen, (the Netherlands)
- 8:30/9:30am **SYMPOSIUM 9: Screening for Frailty and Sarcopenia**
Chairmen: John Morley, Saint Louis University Medical Center (USA), Bertrand Fougère, Gérontopole, Toulouse (France)
- **The Gerontopole Experience**
Bertrand Fougère, MD, PHD, Gérontopôle de Toulouse, Institut du Vieillissement, Centre Hospitalo-Universitaire de Toulouse, Toulouse, (France)
 - **The Rapid Geriatric Assessment**
John Morley, MD, PHD, Saint Louis University Medical Center (USA)
 - **The Kihon Index**
Hidenori Arai, MD, PHD, Kyoto University's Faculty of Medicine (Japan)
- 9:30/10:30am **ORAL COMMUNICATIONS**
Chairmen: John Morley (Saint Louis, USA), Brian Buta (Baltimore, USA)
- 9:30am **OC29: Monitoring Daytime Activity Among U.S. Older Adults: How many days of accelerometry are enough?**
Masha Kocherginsky (1), **Megan Huisinigh-Scheetz** (2) William Dale (2), Diane S. Lauderdale(1), Linda Waite (3) - (1)University of Chicago Medicine, Department of Public Health Sciences - (2)University of Chicago Medicine, Section of Geriatrics and Palliative Medicine (3)University of Chicago Medicine, Department of Sociology (USA)
- 9:45am **OC40: Antecedent and Current Predictors of Performance-Based Early Frailty in Midlife and Older Age: the Fels Longitudinal Study**
Matthew J. Peterson PhD, Lifespan Health Research Center, Boonshoft School of Medicine, Wright State University, Kettering, Ohio, USA - Stefan A. Czerwinski, PhD (1); Miryoung Lee, PhD (1); Audrey Choh, PhD (1)- (1) Lifespan Health Research Center, Boonshoft School of Medicine, Wright State University, Kettering, Ohio, USA

- 10:00 am **OC41: The Association of Vitamin D Deficiency and Cardiometabolic Diseases with Incident Frailty in Older Women Frailty**
Brian Buta, MHS1,2, Parichoy Pal Choudhury, MStat3, Qian-Li Xue, PhD1,2, Paulo Chaves, MD, PhD4, Karen Bandeen-Roche, PhD2,3, Jeremy Walston, MD1,2, Erin Michos, MD1,5,6, Lawrence Appel, MD1,5,6, Mara McAdams DeMarco, PhD5,6,7, Alden Gross, PhD2,5,6, Sevil Yasar, MD, PhD1,2, Michelle Shardell, PhD8, Richard Semba, MD9, Luigi Ferrucci, MD, PhD8, Linda P. Fried, MD10, Rita Rastogi Kalyani, MD1,2,6 - (1) Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD - (2) Center on Aging and Health, Johns Hopkins University, Baltimore, MD - (3) Department of Biostatistics, Johns Hopkins University School of Public Health, Baltimore, MD - (4) Department of Medicine, and Family Center for Geriatric Research and Education, Florida International University (5) Department of Epidemiology, Johns Hopkins School of Public Health, Baltimore, MD - (6) Welch Center for Prevention, Epidemiology, and Clinical Research, Johns Hopkins University School of Medicine, Baltimore, MD - (7) Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD - (8) Intramural Research Program, National Institute on Aging, Baltimore, MD - (9) Department of Ophthalmology, Johns Hopkins University School of Medicine, Baltimore, MD - (10) Mailman School of Public Health, Columbia University, New York, NY (USA)
- 10:15am **OC42: The relationship between body composition remodeling and mortality: the Health Aging and Body Composition Study**
Adam J. Santanasto, Bret H. Goodpaster, Stephen B. Kritchevsky, Iva Miljkovic, Suzanne Satterfield, Ann V. Schwartz, Steven R. Cummings, Robert M. Boudreau, Tamara B. Harris and Anne B. Newman. University of Pittsburgh (AJS, IM, RMB, ABN); Translational Research Institute for Metabolism and Diabetes, Florida Hospital, Sanford Burnham (BHG); Wake Forest School of Medicine (SBK); University of Tennessee Health Science Center (SS); University of California at San Francisco (AVS); California Pacific Medical Center Research Institute (SRC); National Institute on Aging (TBH), (USA)
- 10:30/11:00am **COFFEE BREAK AND POSTERS**
- 11:00/12:30pm **SYMPOSIUM 10: The NIA and FNIH Initiatives to Develop a Consensus: Definition of Sarcopenia**
 Chairmen: Shalender Bhasin, Harvard Medical School (USA), Roger Fielding, HNRCA, Tufts University (USA)
 • **An Overview: Presentation of the larger goals of the initiative and its public health and regulatory importance**
Shalender Bhasin, Harvard Medical School (USA)
 • **Generating Cut-Points Using Data from Epidemiological Studies and Statistical Considerations: Defining the Specificity, Sensitivity, Predictive Value of the Cut-Point**
Thomas G Trivison, Harvard Medical School (USA)
 • **Application of the Cut-Points to Clinical Populations and RCT Populations**
Roger Fielding, Tufts University (USA)
 • **European Initiative on Cut-Points to define sarcopenia**
Francesco Landi, Catholic University Roma (Italy)
 • **Regulatory Perspective: Presentation of regulatory view of this effort.**
John Sharretts, FDA (USA)
- 12:30/1:30pm **LUNCH BREAK AND POSTERS**
- 1:30/3:30pm **ORAL COMMUNICATIONS**
 Chairmen: J. Megan Sions (Newark, USA), Kriztina Mekli (Manchester, UK)
- 1:30 pm **OC43: The Effect of High Doses of Vitamin D on Muscle Strength, Gait, and Physical Performance in Frail Older Adults**
Manuel Montero-Odasso, MD, PhD (1,2), Anam Islam, MSc (1), Susan Muir-Hunter, PT, PhD (1), Gustavo Duque, MD, PhD (3), Richard Crilly, MD (2), Mark Speechley, PhD (2), Timothy Doherty, MD, PhD (4) (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; (3) Australian Institute for Musculoskeletal Sciences, University of Melbourne, Melbourne, Australia; (4) Department of Physical Medicine and Rehabilitation, University of Western Ontario, London, ON, Canada.
- 1:45 pm **OC44: Hip Strength Helps to Explain Walking Performance among Older Adults with a Primary Complaint of Low Back Pain**
J. Megan Sions, PhD, DPT(1), Peter Coyle, DPT(1), Teonette O. Velasco, DPT(1), Gregory E. Hicks, PhD, PT(1) (1) The Delaware Spine Studies, University of Delaware, Newark, Delaware, (USA)
- 2:00 pm **OC45: Effect of six months of daily consumption of a multi-ingredient nutrition supplement containing fish oil, whey protein, vitamin D, and resveratrol on physical and cognitive function in older (>65 y) Irish adults**
Brendan Egan, PhD (1,2), Alessandro Scotto di Palumbo, PhD(1), Catherine N. Moran, MPsychSci(3), Hannah Stynes, MPsychSci(3), Michelle Hone, BSc(1,2), Aoibheann M. McMorrough, PhD(1,2), Gina Lynch, BSc(1,2) Brendan Rooney, PhD(3), Prof. Aidan P. Moran, PhD(1,3), Jessica Bramham, PhD(3), Prof. Giuseppe de Vito, MD PhD(1,2) - (1)Institute for Sport & Health, (2)Institute of Food & Health, School of Public Health, Physiotherapy and Sports Science, and (3)School of Psychology, University College Dublin, Belfield, Dublin 4, (Ireland)
- 2:15 pm **OC46: Relationship between white matter hyperintensity load and physical function and muscle strength in older adults**
Dustin Grooms PhD (1,2), Brian C. Clark, PhD (1,3,4), Leatha A. Clark, DPT (1), Shinichi Amano, PhD (1,5), Todd M. Manini, PhD (6), David W. Russ, PT, PhD (1,8), Timothy D. Law, DO (1,4,9), The UNCODE Study Investigators (1), and Adam J. Woods, PhD (6,7) - (1) Ohio Musculoskeletal and Neurological Institute, Ohio University, Athens OH (2) School of Applied Health Sciences and Wellness, Ohio University, Athens, OH - (3) Department of Biomedical Sciences, Ohio University, Athens, OH - (4) Department of Geriatric Medicine, Ohio University, Ohio University, Athens, OH - (5) Clinical and Translational Research Unit, Ohio University, Athens, OH - (6) Institute on Aging and the Department of Aging and Geriatric Research, University of Florida, Gainesville, FL - (7) Center for Cognitive Aging and Memory, University of Florida, Gainesville, FL - (8) School of Rehabilitation and Communication Sciences, Division of Physical Therapy, Ohio University, Athens, OH - (9) Department of Family Medicine, Ohio University, Athens, Ohio

- 2:30 pm **OC47: Estimating the Proportion of Phenotypic Variance in Frailty Explained by Common Genetic Variants in the English Longitudinal Study of Ageing**
Krisztina Mekli, PhD (1), Gindo Tampubolon, PhD(1), James Nazroo, MB, BS, PhD(1), Alan Marshall, PhD(2), Neil Pendleton, MBChD (3) - (1) Cathie Marsh Institute for Social Research, University of Manchester, Manchester, UK - (2) School of Geography and Geosciences, University of St Andrews, St Andrews, UK - (3) Institute of Brain, Behaviour and Mental Health, University of Manchester, Manchester, (UK)
- 2:45pm **OC48: Impact of Sarcopenia on Post-Operative Morbidity and Mortality Following Lumbar Spine Surgery**
Steven L. Bokshan, MD (1), Alex L. Han, BS (2), J. Mason DePasse, MD(1), Stephen E. Marcaccio, BS(2), Alan H. Daniels, MD (3) - (1) Department of Orthopaedics, Warren Alpert Medical School of Brown University, Providence, RI. - (2) Warren Alpert Medical School of Brown University, Providence, RI. (3) Department of Orthopaedics, Division of Spine Surgery- Adult Spinal Deformity Service, Warren Alpert Medical School of Brown University, Providence, RI, USA
- 3:00pm **OC49: Effects of Whole-Body Electromyostimulation on Sarcopenic Obesity in community dwelling women of 70 years and older**
Wolfgang Kemmler, PhD (1), Simon von Stengel, PhD (1), Klaus Engelke, PhD (1), Ellen Freiburger, PhD (2), Cornel Sieber, MD (2) - (1) Institute of Medical Physics, Friedrich-Alexander University of Erlangen-Nürnberg (FAU), Germany - (2) Institute for Biomedicine of Ageing, FAU Erlangen-Nürnberg, (Germany)
- 3:15pm **OC50: Degree of agreement among frailty tools**
Checa M. MD (1,2), Camicero J.A. PhD (1), Gonzáles J. MD (1, 2), Palumbo C. MD, (1) Solano J.J. MD (3), Sinclair A. MD, PhD, Prof (5), Scuteri A Bernabei R. MD, PhD, Prof(4), MD6, Prof(7), Rodríguez Mañas L. MD, PhD, Prof(1,2) - (1).Fundación para la Investigación Biomédica del Hospital Universitario de Getafe. Madrid (Spain).(2) Geriatric Department. Hospital Universitario de Getafe. Madrid (Spain).(3) .Hospital Monte Naranco. Asturias (Spain). (4).Università Cattolica del Sacro Cuore. Milano (Italy).(5) .Diabetes Frail Ltd. (United Kingdom). (6).San Raffaele Pisana. Roma (Italy).
- 3:30/4:00pm **COFFEE BREAK AND POSTERS**
- 4:00/6:00pm **ORAL COMMUNICATIONS**
Chairmen: Jack M. Guralnik (Baltimore,USA), Brian Clark (Athens, USA)
- 4:00pm **OC51: Efficacy of a novel L-carnitine-containing formulation on Lean Body Mass and functional muscle strength in healthy older adults: A randomized, double-blind placebo-controlled study**
Aouatef Bellamine, PhD Global Nutrition Lonza Mal Evans, PhD, Najla Guthrie PhD, GK Synergize
- 4:15pm **OC52: Retrospective evaluation of computed tomography in a total hip arthroplasty population**
Michael Heffler BA (1), Ryan Barlov, BS(1), Hayden Box (2), MD, Michael Huo, MD (2), Avneesh Chhabra, MD (1) - (1)University of Texas Southwestern Medical Center Department of Radiology - Musculoskeletal Division- Dallas, Texas 75390 (2) University of Texas Southwestern Medical Center - Department of Orthopaedic Surgery
- 4:30pm **OC53: Sarcopenia and Functional Recovery Post Hip Fracture in Men and Women**
Denise Orwig PhD (1)– (1) Department of Epidemiology and Public Health, University of Maryland Baltimore, Baltimore, Maryland, USA - Nancy Chiles Shaffer, PhD (1), Yi “Yvonne” Huang, PhD (2), Ann Gruber-Baldini, PhD (1), Jack Guralnik, MD, PhD (1), Erik Barr (2), Wenxin Lu (2), Yun-ju Cheng (2), Jay Magaziner, PhD, MSHyg (1), - (2) Department of Mathematics and Statistics, University of Maryland Baltimore County, Baltimore, Maryland, USA
- 4:45pm **OC54: Frailty and its Effect on Functional Recovery after Hip Fracture in Men and Women**
Jack M. Guralnik, MD, PhD1 - (1) Department of Epidemiology and Public Health, University of Maryland Baltimore, Baltimore, Maryland, USA -Yi Huang, PhD (2), Denise Orwig, PhD (1), Wenxin Lu (2), Ann Gruber-Baldini, PhD (1), Marc Hochberg, MD, MPH (1), Jay Magaziner, PhD (1) (1) Department of Epidemiology and Public Health, University of Maryland Baltimore, Baltimore, MD, USA(2) Department of Mathematics and Statistics, University of Maryland Baltimore County, Baltimore, MD, USA
- 5:00pm **OC55: The Role of Cognitive Impairment in Functional Recovery and Mortality Post Hip Fracture Comparing Men and Women.**
Ann L. Gruber-Baldini, PhD(1) (1) Department of Epidemiology and Public Health, University of Maryland School of Medicine, Baltimore, Maryland, USA - Mina Hosseini, MS (2), Marc Hochberg, MD, MPH (1), Denise Orwig, PhD (1), Jay Magaziner, PhD, MSHyg (1) (1) Department of Epidemiology and Public Health, University of Maryland School of Medicine, Baltimore, Maryland, 2) Department of Mathematics and Statistics, University of Maryland Baltimore County, Baltimore, Maryland, USA
- 5:15pm **OC56: Polypharmacy in People Living with HIV: Incidence and Clinical Relevance in a 10-year follow up Study**
Guaraldi G (1), Zona S(1), Calcagno (2,1), Malagoli A (1), Guaraldi L (1), Santoro A (1), Mussi C (1), Mussini C (1), Khoo (3), Cesari (4) - (1) Metabolic Clinic, Infectious Diseases Unit, University Policlinico Hospital, Modena, Italy (2) Unit of Infectious Diseases, Department of Medical Sciences, University of Torino, Torino, Italy; (3) Infectious Diseases Unit at the Royal Liverpool University Hospital, Liverpool;UK (4) G erontop le, Centre Hospitalier Universitaire de Toulouse, Toulouse, France
- 5:30pm **OC57: Vitamin B12 Deficiency in Sarcopenia can be Detected by a Circulating Biomarker linked to Impaired Intestinal Absorption during Aging**
Alice Pann rec (1), Sonia Karaz (1), J r me N. Feige (1)Aging Group, Nestl  Institute of Health Sciences, EPFL Innovation Park, Lausanne, Switzerland.
- 5:45pm **OC58: Effects of a home-based physical training, nutritional and social support program carried out by lay volunteers on nutritional and frailty status in community-dwelling older persons**
Eva Lugger, MSc (1) (1) Institute of Social Medicine, Centre for Public Health, Medical University of Vienna, Austria - Thomas Ernst Dornier, MD, MPH(1) Sandra Haider, MSc (1) Ali Kapan, MSc (1) Christian Lackinger, PhD (2) Karin Schindler, PhD (3) - (1) Institute of Social Medicine, Centre for Public Health, Medical University of Vienna, Austria (2) Department for Health Promotion and Prevention, SPORTUNION Austria, Vienna, Austria (3) Division of Endocrinology and Metabolism, Department of Internal Medicine III, Medical University of Vienna, Austria

- P1 Study of biomarkers of frailty in the aging population**
Swapanil Jathar, M.D; Co-author: A.B Dey, M.D vandana society, LBS road, Thane, Maharashtra, (India)
- P2 Validation of the Study of Osteoporotic Fractures (SOF) frailty index as predictor of long-term mortality in ambulatory older men**
S. De Buyser, MPharm (1), Mirko Petrovic, MD, PhD (1), Youri Taes, MD, PhD (2), Kaatje Toye, BSc (2), Jean-Marc Kaufman, MD, PhD (2), Stefan Goemaere, MD, PhD (2), Bruno Lapauw, MD, PhD (2) (1) Department of Geriatrics, Ghent University Hospital, Ghent, Belgium (2) Department of Endocrinology and Unit for Osteoporosis and Metabolic Bone Diseases, Ghent University Hospital, Ghent, Belgium.
- P3 The age-performance relationship**
Geoffroy Berthelot, PhD IRMES (Institut de Recherche bioMédicale et d'Epidémiologie du Sport), INSEP, Sorbonne Paris Cité, Paris, France - Adrien Marck, MS (1,2,3), Vincent Foulonneau, MS (1,2,3) Juliana Antero-Jacquemin, MS(1,2), Philippe Noirez, PhD (1,2), Anne M. Bronikowski, PhD (4), Ted J. Morgan, PhD (5), Theodore Garland Jr., PhD (6), Patrick A. Carter, PhD (7), Jean-François Toussaint, PhD (1,2,8) - (1) IRMES (Institut de Recherche bioMédicale et d'Epidémiologie du Sport), INSEP, 11 avenue du Tremblay, 75 012 Paris (2) EA 7329, Université Paris-Descartes, Sorbonne Paris Cité, Paris, France - (3) Frontiers in Life Science E.D. 474, Paris, France - (4) Department of Ecology, Evolution, and Organismal Biology, Iowa State University, Ames, IA, USA - (5) Division of Biology, Kansas State University, Manhattan, KS, USA - (6) Department of Biology, University of California, Riverside, CA, USA - (7) School of Biological Sciences, Washington State University Pullman, WA, USA - (8) CIMS (Centre d'Investigations en Médecine du Sport), Hôtel Dieu, Assistance Publique-Hôpitaux de Paris, Paris, (France)
- P4 Association between sarcopenia and quality of life in Quilombola elderly**
Luiz S. S., Neto (1, 2, 3), Margô. G.O Karnikowski (2) - Neila B. Osório (3) - Leonardo C. Pereira (2) - Marcilio B. Mendes (1) - Galato D (2) - Liana B. Gomide (4) - João Paulo C. Matheus (2, 4) - (1) School of Medicine, Federal University of Tocantins, Palmas, State of Tocantins, Brazil; (2) Graduate Program in Health Sciences and Technology, Ceilândia College, University of Brasília, Federal District, Brazil. (3) Graduate Program in Education, Federal University of Tocantins, Palmas, Tocantins, Brazil; (4) School of Physiotherapy, Ceilândia College, University of Brasília, Federal District, (Brazil)
- P5 Osteosarcopenia is more than Sarcopenia and Osteopenia alone**
Michael Drey, MD, MSc (1), Cornel C. Sieber, MD (2), Thomas Bertsch, MD (3), Jürgen M. Bauer, MD (4), Ralf Schmidmaier, MD, MME (1) - (1) Medizinische Klinik und Poliklinik IV, Schwerpunkt Akutgeriatrie, Klinikum der Universität München (LMU), München, Germany (2) Institute for Biomedicine of Aging, University of Erlangen-Nürnberg, Nürnberg, Germany - (3) Institute of Clinical Chemistry, Laboratory Medicine and Transfusion Medicine, Paracelsus Medical University, Nürnberg, Germany - (4) Department of Geriatric Medicine, Carl von Ossietzky University, Oldenburg, (Germany)
- P6 Postacute Prevalence of Sarcopenia: Measurements in Aged in-patients during Rehabilitation: The PSMAR study**
Dolores Sánchez-Rodríguez MD, Geriatrics Department, Parc de Salut Mar, Hospital del Mar Medical Research Institute (IMIM); School of Medicine, Universitat Autònoma de Barcelona, Spain. Ester Marco MD, PhD (2,3,4); Josep M. Muniesa, MD, PhD (2,3,4); Emilio Casanovas-Atienza, NP (1,2,3); Olga Vázquez-Ibar, MD (1,2,3); Ramón Miralles, MD, PhD (1,2,3) (1) Geriatrics Department, Parc de Salut Mar, Barcelona, Spain - (2) Hospital del Mar Medical Research Institute (IMIM), Barcelona, Spain - (3) School of Medicine, Universitat Autònoma de Barcelona, Spain (4) Physical Medicine and Rehabilitation Department, Parc de Salut Mar, Barcelona, (Spain)
- P7 Improvement in Muscle Performance after One-Year Cessation of Low-Magnitude High-Frequency Vibration in Community Elderly**
Kwok-Sui Leung, Wing-Hoi Cheung, Chi-Yu Li - Department of Orthopaedics and Traumatology - The Chinese University of (Hong Kong)
- P8 Effect of Low-Magnitude High-Frequency Vibration Treatment on Retardation of Sarcopenia-Senescence Accelerated Mice-P8 (SAMP8) Model**
Wing-hoi Cheung, An-yun Guo, Jiang-hui Qin, Simon Kwoon-ho Chow, Kwok-sui Leung, Department of Orthopaedics and Traumatology The Chinese University of (Hong Kong)
- P9 FRAIL-NH Predicts Outcomes in Long Term Care**
Ellen W. Kaehr, Saint Louis University Division of Geriatric Medicine, Assistant Professor - Theodore K. Malmstrom, Ph.D. Saint Louis University Department of Neurology and Psychiatry, Associate Professor - Laura C. Pape, B.S. Saint Louis University School of Medicine, Class of 2018 - John E. Morley, M.B., B.Ch. - Saint Louis University Division of Geriatric Medicine, Professor and Division Chief (USA)
- P10 Adult GrandChildren and GrandParents Dementia: when the third generation becomes the primary caregiver**
Dominique Huvent-Grelle (1) MD Sylvie Demarle (2) MD, Jean Baptiste Beuscart (1) MD, Laurie Delannoy (1) MD, Eric Boulanger (1) MD PHD, François Puisieux (1) MD PHD (1) pôle de gérontologie, CHRU Lille, hôpital gériatrique les bateliers, 23 rue des bateliers, 59037 Lille, (France)
- P11 Study of sarcopenia in elderly patients with type 2 diabetes**
Al Houssein Al Sayed Mahmoud, MD (1), Emam Mohammed Esmayel, MD (2), Amira Shoukry Ahmed, MD (3) - (1) Lecturer of internal medicine, Faculty of Medicine, Zagazig University, Egypt. - (2) Professor of internal medicine, Faculty of Medicine, Zagazig University, Egypt. - (3) Assistant professor of internal medicine, Faculty of Medicine, Zagazig University, (Egypt)
- P12 Sarcopenia as determinant of lower survival in Chilean older people. The ALEXANDROS study**
Lydia Lera, PhD (1), Cecilia Albala, MD, MPH (1), Hugo Sánchez, MD, MPH (1), Barbara Angel, PhD (1), Patricia Arroyo, MD, MSc (2), Carlos Marquez, MSc (1), Florencia Insunza (- (1) Institute of Nutrition and Food Technology, University of Chile, Chile (2) University of Chile Hospital, (Chile)
- P13 Quadriceps muscle power and optimal shortening velocity as determinants of functional abilities of older adults in a long-term care home: a one-year follow-up study**
Tomasz Kostka Department of Geriatrics, Medical University of Lodz, Lodz, Poland. - Izabela Kozicka, Department of Geriatrics, Medical University of Lodz, Lodz, (Poland)
- P14 Screening and preventing risks of frailty in community-dwelling senior citizens: a global personalised approach to promote healthy ageing**
Michel Nogués, PhD (1,3,4) Justine Millot-Keurinck, MSc(1,3), Jean Bousquet, MD, PhD(2,4), Jacques Touchon, MD, PhD(2,3), Valérie Bruguère, MA(1,3), Gabrielle Onorato, MSc(1), Jean-Claude Reuzeau, MA(1) - (1) (2) (3) (4) Caisse Assurance Retraite et Santé Au Travail (Carsat) Languedoc-Roussillon, Montpellier, France Centre Hospitalier Universitaire (CHU), Montpellier, France Institut Régional du Vieillessement (IRV), Montpellier, France MACVIA LR (France)
- P15 Improvement of gait speed after three months of home-based exercise program (HEP) using a gerontechnology in community-living older adults following a minor injury.**
Dominic Martel (1,2,3) - Martine Lauzé (1,2,3), Amandine Agnoux (1,2,3), Marcel Émond (4), Marie-Josée Sirois (4), Raoul Daoust (5) and Mylène Aubertin-Leheudre (1,2,3) (1) Département des sciences de l'activité physique, Université du Québec à Montréal (UQAM), Québec, Canada; (2) Groupe de Recherche en Activité Physique Adaptée (GRAPA), UQAM, Québec, Canada; (3) Centre de Recherche de l'Institut Universitaire de Gériatrie de Montréal (CRIUGM), Montréal, Québec, Canada. -(4) Centre de recherche du CHU de Québec, Hôpital de l'Enfant-Jésus, Québec, Québec, Canada; -(5) Hôpital du Sacré-Cœur de Montréal, Montréal, Québec, (Canada)
- P16 English translation and cross-cultural adaptation of the sarqol® questionnaire**
Charlotte Beaudart (1) (Mark Edwards (1), Elaine Dennison (2), Charlotte Moss (2), Olivier Bruyère (1), Jean-Yves Reginster (1), Rebecca Moon (2), Christophe Demoulin (3), Cyrus Cooper (2) (1) Department of Public Health, Epidemiology and Health Economics, University of Liège, Belgium - (2) MRC Lifecourse Epidemiology Unit, University Hospital Southampton, UK -(3) Department of Sport and Rehabilitation Sciences, University of Liege, Liege, (Belgium)
- P17 High Prevalence of sarcopenia in women with osteoporotic fractures.**
Candela Fernández (1), Beatriz Oliveri (1), Alicia Bagur (1), Dolores Gómez Glorioso (1), Diana González (1) y Carlos Mautalen (1) - (1) Mautalen, Salud e Investigación, Buenos Aires, (Argentina)
- P18 Muscle stretching exercise reduces fibrosis in the soleus muscle of aged female rats**
Hilana Rickli Fiuza Martins, PT (1), Talita Gnoatto Zotz, PT, MS, PhD (2), Sabrina Peviani Messa, PT, PhD (3), Rafael Zotz (4); Lucia Noronha, MD, MS, PhD (5); Marina Louise Viola de Azevedo, MS6, Anna Raquel Silveira Gomes PT, MS, PhD (7) - (1) Master student of Physical Education Department, Federal University of Paraná, Curitiba, Paraná, Brazil. (2) Physiotherapy Department, Pontifical Catholic University of Paraná, Curitiba, Paraná, Brazil (3) Biochemistry and Molecular Biology Laboratory, Federal University of São Carlos. São Carlos. São Paulo. Brazil. (4) Vivarium Department; Pontifical Catholic University of Paraná, Curitiba, Paraná, Brazil (5) Medicine Department and Experimental Pathology Department, Masters and Doctorate Programs in Health Science of the Pontifical Catholic University of Paraná, Curitiba, Paraná, Brazil (6) Experimental Pathology Department, Pontifical Catholic University of Paraná, Curitiba, Paraná, Brazil. (7) Physiotherapy Department, Masters and Doctorate Programs in Physical Education, Federal University of Paraná. Curitiba. Paraná. Brazil. (Argentina)
- P19 Prevalence of sarcopenia in female older persons of a public hospital from south Brazil**
Adriane Miró Vianna Benke Pereira, MD, MS (1), Jarbas Melo Filho, PT, MS (2), Simone Biesek, RD, MS (3), Gabriela Carrascosa Molina (4), Luiza Bendhack (5), Ruan Felipe Michalowski (6) Anna Raquel Silveira Gomes PT, MS, PhD (7) - (7) Anna Raquel Silveira Gomes, PT, MS, PhD (7) Physiotherapy Department, Masters and Doctorate Programs in Physical Education, Federal University of Paraná. Curitiba. Paraná. Brazil. - (1) Clinic Unit, Health Aging Ambulatory, Clinic Hospital Complex- CHC/EBSERH, Federal University of Paraná, Curitiba, Paraná, Brazil. (2) PhD student of Physical Education Department, Federal University of Paraná, Curitiba, Paraná, Brazil. (3) Centro Universitário Autônomo do Brasil, Curitiba, Paraná, Brazil. (4) Undergraduate Physiotherapy Student, Federal University of Paraná, Curitiba, Paraná, Brazil. (5) Undergraduate Physiotherapy Student, Federal University of Paraná, Curitiba, Paraná, Brazil. (6) Undergraduate Physiotherapy Student, Federal University of Paraná, Curitiba, Paraná, (Brazil)
- P20 Association of spontaneous 3-year changes in physical function with subsequent 15-year mortality in community-dwelling older men**
Stefanie De Buyser, MPharm 1, Mirko Petrovic, MD, PhD (1), Youri Taes, MD, PhD (2), Kaatje Toye, BSc (2), Jean-Marc Kaufman, MD, PhD (2), Stefan Goemaere, MD, PhD (2), Bruno Lapauw, MD, PhD (2) - (1) Department of Geriatrics, Ghent University Hospital, Ghent, Belgium (2) Department of Endocrinology and Unit for Osteoporosis and Metabolic Bone Diseases, Ghent University Hospital, Ghent, Belgium.

- P21 Muscle thickness and indicators of sarcopenia in community older women**
 Luiza Herminia Gallo, PE, PhD Student (1), Elisangela Valevein Rodrigues, PT, MS, PhD Student (2), Jarbas Melo Filho, PT, MS, PhD Student (3), Carla Tissiane de Souza Silva, PT, Master Student(4), **Anna Raquel Silveira Gomes** (5) - (5) PT, MS, PhD5. Physiotherapy Department, Masters and Doctoral Programs in Physical Education, Federal University of Paraná. Curitiba. Paraná. Brazil. (1) Doctoral Program in Physical Education, Federal University of Paraná, Curitiba, Paraná, Brazil -(2) Doctoral Program in Physical Education, Federal University of Paraná. Course Massage Therapy, Federal Institute of Paraná, Curitiba, Paraná, Brazil-(3) Doctoral Program in Physical Education, Federal University of Paraná, Curitiba, Paraná, Brazil- (4) Master's Program in Physical Education, Federal University of Paraná, Curitiba, Paraná, (Brazil)
- P22 Intake of protein and leucine per meal in malnourished nursing home residents**
Sander Wijers, Hilde Heyman, RN (2,3), Sjors Verlaan, MSc (1,4), Dirk Van De Looverbosch, MD5(1)Nutricia Research, Nutricia Advanced Medical Nutrition, Utrecht, (The Netherlands) - (2)Wound Consulting Society Belgium, Aartselaar, Belgium(3)European Pressure Ulcer Advisory Panel EPUAP, Aartselaar, Belgium(4)VU University Medical Center, Amsterdam, The Netherlands (5) Geriatrics Department, University of Antwerp, (Belgium)
- P23 Effect of nutritional status , macronutrient intake and life style to muscle grip strength reduction in elderly**
Yvonne Suzy Handajani, PhD (1), Yuda Turana, PhD (2) - (1) Department of Public Health and Nutrition of Faculty of Medicine & Center for Health Research, Atma Jaya Catholic University - (2) Department of Neurology of & Faculty of Medicine & Center for Health Research, Atma Jaya Catholic University (Indonesia)
- P24 Concordance between tools for the detection of community dwelling frail adults**
Itziar Vergara Primary Care Research Unit Gipuzkoa, Osakidetza, Health Services Research on Chronic Patients Network (REDISSEC), Biodonostia Health Research Institute, San Sebastian-Donostia, Spain Itziar Vergara (1,2,3,5); Mónica Machón (1,2,3,5); Kalliopi Vrotsou (1,2,3,5); Nerea Egües (3); Andoni Bueno (4); Jazmina Nuñez (4); Ana Diez (3, 4); Maider Mateo-Abad (1,5). (1) Primary Care Research Unit Gipuzkoa, Osakidetza, San Sebastian-Donostia, Spain (2) Health Services Research on Chronic Patients Network (REDISSEC), San Sebastian-Donostia, Spain (3) Biodonostia Health Research Institute, San Sebastian-Donostia, Spain (4) Beraun Health Center, OSI DONostialdea, Osakidetza, Renteria, Spain (5) Kronikgune, Bilbao, (Spain)
- P25 Prevalence of sarcopenia in diabetic elderly in Egypt**
Esmayel E ; Eldarawy M, Shoukri A, Internal medicine department, Zagazig faculty of medicine , (Egypt)
- P26 Housing conditions, frailty and limitations in physical function among older adults**
 Esther García-Esquinas, MD (1), Bibiana Pérez-Hernández, BSc, MPH (1), Pilar Guallar-Castillón, MD (1), José R. Banegas, MD (1), José Luis Ayuso-Mateos, MD (2), Fernando Rodríguez-Artalejo, MD (1) - **Fernando Rodríguez-Artalejo**, MD, Department of Preventive - Medicine and Public Health, Universidad Autónoma de Madrid/ Idipaz and CIBER of Epidemiology and Public Health (CIBERESP), Madrid, Spain. Esther García-Esquinas, MD1, Bibiana Pérez-Hernández, BSc, MPH1, Pilar Guallar-Castillón, MD1, José R. Banegas, - MD1, José Luis Ayuso-Mateos, MD2 - (1) Department of Preventive Medicine and Public Health, Universidad Autónoma de Madrid/ Idipaz and CIBER of Epidemiology and Public Health (CIBERESP), Madrid, Spain. - (2) Department of Psychiatry, Universidad - Autónoma de Madrid/Instituto de Investigación del Hospital de la Princesa and CIBER of Mental health (CIBERSAM), Madrid, (Spain)
- P27 Patterns of alcohol consumption and the physical and mental components of quality of life in older adults**
 Rosario Ortolá, MD (1,2), Esther García-Esquinas, MD (1,2), Iñaki Galán, MD (1,3), **Fernando Rodríguez-Artalejo**, MD (1,2) - Fernando Rodríguez-Artalejo, MD, Department of Preventive Medicine and Public Health, Universidad Autónoma de Madrid/ Idipaz and CIBER of Epidemiology and Public Health (CIBERESP), Madrid, Spain. Rosario Ortolá, MD (1,2), Esther García-Esquinas, MD (1,2), Iñaki Galán, MD1,3 - (1) Department of Preventive Medicine and Public Health, Universidad Autónoma de Madrid/ Idipaz, Madrid, Spain. - (2) CIBER of Epidemiology and Public Health (CIBERESP), Madrid, Spain. - (3) -National Centre for Epidemiology, Instituto de Salud Carlos III. Calle de Sinesio Delgado 4, 28029 Madrid, Spain.
- P28 Associations of IADL with grip strength and related indices of agility, depending on sex and age. - Investigation by a newly-developed grip strength measuring device**
Yasumoto Matsui MD PhD (1), (1)Department of Advanced Medicine (Orthopedic Surgery) National Center for Geriatrics and Gerontology, Obu, Japan - Remi Fujita, PT MS1, Atsushi Harada, MD PhD12, Takashi Sakurai, MD PhD3, Tetsuya Nemoto, PhD4, Nobuo Nod PhD6 and Kenji Toba MD PhD5 (2) Director of Hospital, (3) Center for Comprehensive Care and Research on Memory Disorders, (4) Center for assistive Robotics (5) President, National Center for Geriatrics and Gerontology, Obu, and (6) Eisyo Metal Co., Ltd, Tokyo, (Japan)
- P29 Octogenarians and nonagenarians exhibit impairments in leg extensor voluntary activation, but not elbow flexor voluntary activation**
Leatha A. Clark DPT, MS (1,2), Shin Amano, PhD (1,3), Rachel Clift, MSN, RN (1,3), David W. Russ, PT, PhD (1,4), Todd M. Manini, PhD (5), Tim D. Law, DO, MBA (1,2,3,6) and Brian C. Clark, Ph (1,6,7) (1) Ohio Musculoskeletal and Neurological Institute (OMNI) at Ohio University, Athens, OH, USA; (2) Department of Family Medicine at Ohio University, Athens, OH, USA; (3) Clinical an Translational Research Unit at Ohio University, Athens, OH, USA; (4) School of Rehabilitation and Communication Sciences, Ohio University, Athens, OH, USA; (5) Institute on Aging, University of Florida, Gainesville, FL, USA; (6) Department of Geriatric Medicine at Ohio University, Athens, OH, USA; (7) Department of Biomedical Sciences at Ohio University, Athens, OH, (USA)
- P30 Promotion of Advance Care Planning for elder people nearing pre-frailty and frailty: proposal from Preventing, Avoiding, Postponing or Reducing Frailty Program in National Center for Geriatrics and Gerontology, Japan**
Kazuyoshi Senda MD, PhD (1, 2) - (1) Innovation Center for Clinical Research, (2) Division of Home Care Promotion, National Center for Geriatrics and Gerontology, Obu, Japan - Shosuke Satake, MD, PhD3, 4, Sanae Takanashi, RN, CNS, MSN5, Sanae Sakakibara, RN5, Kahori Kinoshita, RD4, Yoshinori Iida, RPT6, Naoya Asano, RPT6, Izumi Kondo, MD, PhD6, Mitsunori Nishikawa, MD2, Hisayuki Miura, MD, PhD2, Hidetoshi Endo, MD, PhD3. (3) Department of Geriatric Medicine, (4) Department of Nutrition, (5) Department of Nursing, (6) Department of Rehabilitation Medicine, National Center for Geriatrics and Gerontology, Obu, (Japan)
- P31 Annual change of Kihon Check List for predicting frailty status in Japanese elder patients with chronic obstructive pulmonary disease: a three-year observation at outpatient clinic for comprehensive pulmonary rehabilitation**
Kazuyoshi Senda MD, PhD (1, 2, 3) - (1) Innovation Center for Clinical Research, (2) Division of Home Care Promotion, (3) Department of Laboratory Medicine, National Center for Geriatrics and Gerontology, Obu, Japan - Shosuke Satake, MD, PhD (4), Izumi Kondo, MD, PhD (5), Mitsunori Nishikawa, MD (2), Haruhiko Tokuda, MD, PhD (3), Hisayuki Miura, MD, PhD (2), Hidetoshi Endo, MD, PhD (4) - (4) Department of Geriatric Medicine, (5) Department of Rehabilitation Medicine, National Center for Geriatrics and Gerontology, Obu, (Japan)
- P32 Frequency analysis of electromyograms of the muscles around the knee in knee osteoarthritis patients**
Yasuo Suzuki, PhD (1,2), Yasumoto Matsui, MD, PhD (2), Remi Fujita (2), Atsushi Harada, MD, PhD (3) - (1) Department of Human Care Engineering, Nihon Fukushi University, Japan (2) Department of Advanced Medicine (Orthopedic Surgery), National Center for Geriatrics and Gerontology, Japan - (3) Director of Hospital, National Center for Geriatrics and Gerontology, (Japan)
- P33 Frailty as a risk factor for adverse outcomes in older persons with delirium**
Justin Chew, MRCP (1,2) - (1) Departement of Geriatric medicine. Tan Tock Seng Hospital. Singapore - (2) Institut of Geriatrics and Active Ageing. Tan Tock Seng Hospital. (Singapore)
- P34 Sarcopenia and frailty prevalence among patients with chronic kidney disease on hemodialysis, through simple screening methods: Macaé city study/ Rio de Janeiro, Brazil.**
Renata Borba de Amorim Oliveira PhD (1); Ana Paula Menna Barreto, MD (1); Celia Cristina Diogo Ferreira, MD (1); Lismeia Raimundo Soares, MD (1); Roberta Melquiades Silva de Andrade, MD (1); Carina de Aquino Paes, MD (1); Maria Fernanda Larcher de Almeida, PhD. (1); Ivie Ferreira de Azevedo (2) (1) Nutrition Course: Federal University of Rio de Janeiro (UFRJ), Macaé, Brazil. (2) Student of Nutrition Course: UFRJ, Brazil.
- P35 Patterns of alcohol consumption and risk of frailty in community-dwelling older adults**
 Rosario Ortolá, MD1,2, Esther García-Esquinas, MD1,2, Luz M. León-Muñoz, PhD1,2, Pilar Guallar-Castillón, MD1,2, José Lorenzo Valencia-Martín, MD1,2,3, Iñaki Galán, MD1,4, **Fernando Rodríguez Artalejo**, MD1,2 Fernando Rodríguez-Artalejo, MD, Department of Preventive Medicine and Public Health, Universidad Autónoma de Madrid/ Idipaz and CIBER of Epidemiology and Public Health (CIBERESP), Madrid, Spain. Rosario Ortolá, MD1,2, Esther García-Esquinas, MD1,2, Luz M. León-Muñoz, PhD1,2, Pilar Guallar-Castillón, MD1,2, José Lorenzo Valencia-Martín, MD1,2,3, Iñaki Galán, MD1,4. - (1) Department of Preventive Medicine and Public Health, Universidad Autónoma de Madrid/ Idipaz, Madrid, Spain. - (2) CIBER of Epidemiology and Public Health (CIBERESP), Madrid, Spain. - (3) Department of Preventive Medicine. Móstoles University Hospital. Móstoles, Spain. - (4) National Centre for Epidemiology. Instituto de Salud Carlos III. Calle de Sinesio Delgado 4, 28029 Madrid, Spain.
- P36 How to manage frail elderly? A community outreach conducted by the Toulouse**
Neda Tavassoli*, Christine Lafont*, Justine de Kerimel*, Maria Soto*, Maryse Pedra*, Christine Lagourdette*, Laure Bouchon*, Alain Chaléon**, Bruno Vellas* *Gérontopôle de Toulouse, Equipe Régionale Vieillesse et Prévention de la Dépendance, Département de Médecine Interne et Gérontologie Clinique, Centre Hospitalier Universitaire de Toulouse, 170 avenue de Casselardit, 31300 Toulouse, France - **Mairie de Cugnaux, 5 Place de l'Église, 31270 Cugnaux (France)
- P37 Establishment and description of the Midi-Pyrénées Frailty Database**
Maria Soto, Justine de Kerimel, Neda Tavassoli, Christine Lafont, Maryse Pedra, Sophie Guyonnet - Gérontopôle de Toulouse, Equipe Régionale Vieillesse et Prévention de la Dépendance, Département de Médecine Interne et Gérontologie Clinique, Centre Hospitalier Universitaire de Toulouse, 170 avenue de Casselardit, 31300 Toulouse, (France)
- P38 Reassessment of the prediction of grip strength: Implementation of Group-rhythmical intervention for middle-aged adults with intellectual disability**
Hsiu-Lan Chin Department of Aged Welfare & Social Work, Toko University, Taiwan / Associate professor - No.51, Sec. 2, Syuefu Rd., Puzih City, Chiayi County 61363, (Taiwan)

- P39 Macronutrient , obesity , cardiovascular diseases on sarcopenia : case study of elderly in community and institutional base.**
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 & Center for Health Research, Atma Jaya Catholic University
- P40 The role of vitamin D and exercises in correction of age-related skeletal muscle changes in postmenopausal women**
Vladyslav Povorozyuk, Nataliia Dzerovych, Roksolana Povorozyuk Kyiv, (Ukraine)
- P41 Prevalence of frailty among nursing home, according to different operational definitions**
F. Buckinx (1,2), J.Y. Reginster (1,2), S. Gillain (3), J. Petermans (3), T. Brunois (1,2), O. Bruyère (1,2 & 4) - (1) Department of Public Health, Epidemiology and Health Economics, University of Liège, Belgium (2) Support Unit in Epidemiology and Biostatistics, University of Liège, Belgium - (3) Department of geriatrics, CHU of Liège, Belgium - (4) Department of Motricity Sciences, University of Liège, (Belgium)
- P42 Physical and muscle performances among elderly nursing home residents:Results of the SENIOR cohort**
F. Buckinx (1,2), J.Y. Reginster (1,2), J.L. Croisier (3), J.Petermans (4), O. Bruyère (1,2&3) - (1) Department of Public Health, Epidemiology and Health Economics, University of Liège, Belgium - (2) Unit Support in Epidemiology and Biostatistics, University of Liège, Belgium (3) Department of Motricity Sciences, University of Liège, Belgium - (4) Department of Geriatrics, CHU of Liège, (Belgium)
- P43 Effect of gender on the age specific onset in changes of organs and tissue masses, resting energy expenditure (REE) and the REE-body composition relationship in healthy Caucasians**
Corinna Geisler, Institute of Human Nutrition and Food Science, Christian-Albrechts-Universität zu Kiel, Kiel, Germany Wiebke Braun (1), Maryam Pourhassan (1), Lisa Schweitzer (1), Claus-Christian Glier (2), Anja Bosy-Westphal (1,3) and Manfred J. Müller (1 - (1) Institute of Human Nutrition and Food Science, Christian-Albrechts-Universität zu Kiel, Kiel, Germany- (2) Clinic for Diagnostic Radiology, Section Biomedical Imaging, Molecular Imaging North Competence Center CC, Kiel, Germany- (3) Institute of Clinical Nutrition, Universität Hohenheim, Stuttgart, (Germany)
- P44 Prevalence of sarcopenia and associated factors in community-dwelling elderly in rio de janeiro state/brazil.**
Silvia Maria Custódio das Dôres, Camila dos Santos Fernandes,Guilhermo CocaVelarde. Universidade Federal Fluminense, Niterói/Rio de Janeiro, (Brazil)
- P45 The Impact of Sarcopenia or Sarcopenic Obesity in the Older Subjects with Diabetes**
Ken Sugimoto, MD, PhD (1), Taku Fujimoto, MD (1), Koichi Tachibana, MD (1), Chung-Chi Wang, PhD (1), Yukiko Yasunobe (1), Masaaki Isaka, PhD (1), Minoru Tanaka, PhD (1) Yoshihiro Maekawa, MD, PhD (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)
- P46 A case-control study on hemoglobin changes and transfusion requirement after hip fracture in frail nursing home residents compared with community dwelling older people**
Kareean SF Khaw MBBS (1,2), Clare McNally MP (Dent) (2,3), Pazhvoor Shibu MBBS (1,2), Solomon CY Yu, MBBS PhD (1,2), Mellick Chehade, MBBS PhD (4), Renuka Visvanathan, MBBS PhD (1,2) (1)Aged and Extended Care Services, The Queen Elizabeth Hospital, Central Adelaide Local Health Network (2)Adelaide Geriatrics Training and Research with Aged Care (G-TRAC) Centre, School of Medicine, University of Adelaide, Adelaide, South Australia, Australia (3) School of Dentistry, University of Adelaide, Adelaide, South Australia, Australia (4) Discipline of Orthopaedics and Trauma, School of Medicine, University of Adelaide, South Australia, (Australia)
- P47 Wide range evaluation of the cognitive and physical performance in the pensioners**
Olena Tomarevska, MD, PhD, Oleksandr Poliakov, MD, PhD Institute of Gerontology by D.F. Chebotarev of National Academy of Medical Sciences, Kiev, (Ukraine)
- P48 The prevalence of frailty in New Zealand dialysis patients using the Edmonton Frailty Scale and Fried Frailty Scale**
Katherine Bloomfield, (1,2) Janak de Zoysa (2,3) Sharon Dixon (2)- (1) Department of Geriatric Medicine, Waitemata District Health Board, Auckland, New Zealand; (2) Department of Medicine, University of Auckland, Auckland, New Zealand; (3) Department of Renal Medicine, Waitemata District Health Board, Auckland, (New Zealand)
- P49 The Relationship between Sarcopenia and Pulmonary Function in Older People**
Solomon Yu PhD (1,2), Renuka Visvanathan, PhD (1,2) - (1) Centre of Research Excellence: Frailty Trans-disciplinary Research to Achieve Healthy Aging, University of Adelaide, South Australia. (2)Adelaide Geriatrics Training and Research with Aged Care (GTRAC) Centre, School of Medicine, University of Adelaide. (Australia)
- P50 The Association between Baseline Frailty and Postoperative Complications, Delirium, and Functional Status Change after Cardiac Surgery**
Antonio Graham Jeremy Walston, Emily Ledford, Laura Max, Charles Hogue, Charles Brown - Johns Hopkins School of Medicine - Elkrige (USA)
- P51 Prevalence of Sarcopenia and Malnutrition in Acutely Ill Hospitalized Older Adults**
Rachel R. Deer, PhD and Elena Volpi, MD, PhD Sealy Center on Aging, University of Texas Medical Branch, Galveston, TX, (USA)
- P52 Sensitivity and specificity of the domains of frailty assessment tools in clinical settings**
Checa M MD (1-2), Carnicero J.A. PhD (1), Gonzales J. MD (1-2), Ballesteros M. MD, MSc (1-2), MD Palumbo C. MD (1) Solano J.J. MD (3), Bernabei R. MD, PhD, Prof (4), Sinclair A. MD, PhD, Prof (5), Scuteri A. MD (6), Rodriguez Mañas L. MD, PhD, Prof (1-2) (1). Fundación para la Investigación Biomédica del Hospital Universitario de Getafe. Madrid (Spain). (2). Geriatric Department. Hospital Universitario de Getafe. Madrid (Spain). (3). Hospital Monte Naranco. Asturias (Spain). (4). Universidad Católica del Sacro Cuore. Milano (Italy). (5). Diabetes Frail Ltd. (United Kingdom). (6). San Raffaele Pisana. Roma (Italy).
- P53 A randomized, placebo-controlled trial to evaluate the efficacy and safety of BIO101 on Sarcopenic Obesity.**
Waly Diah Biophysits, Romainville, France. Philippe Guillet 1 ; Philippe Dupont 1 ; Anne-Sophie Foucault 1 ; René Lafont 1,2 ; Stanislas Veillet 1. Biophysits, Romainville, France. 2. Sorbonne Universités, Université Pierre et Marie Curie, IBPS, 7 quai Saint Bernard, 75005 Paris. France.
- P54 A comprehensive validation of frailty assessment tools to screen and diagnose frailty in different clinical and social settings**
Javier M. MD (1), Palumbo C. MD (1), Ballesteros M. MD (1), Checa M. MD (1-2), Carnicero J.A. PhD (1), Vellas B. MD, PhD, Prof (3), Cesari M. MD, PhD, Prof (3), Bernabei R. MD, PhD, Prof (4), Landi F. MD, PhD, Prof (4), Grodzicki T. MD, PhD, Prof (5), Katoch A. MD (5), Pamicka A. MD (5), Sinclair A. MD, PhD, Prof (6), Rodriguez Mañas L. MD, PhD, Prof (1) - (1).Fundación para la Investigación Biomédica del Hospital Universitario de Getafe. Madrid (Spain). (2).Geriatric Department. Hospital Universitario de Getafe. Madrid (Spain). (3).Centre Hospitalier Universitaire de Toulouse (France). (4). Universidad Católica del Sacro Cuore. Milano (Italy). (5). Jagiellonian University Medical College. Krakow (Poland). (6) Diabetes Frail Ltd. (UK).
- P55 The frailclinic project: sample characteristics and frailty prevalence in different clinical settings.**
Palumbo C MD (1), Gonzales J. MD (1-2), Checa M. MD (1-2), Carnicero J.A. PhD (1), Solano J.J. MD (3), Bernabei R. MD, PhD, Prof (4), Sinclair A. MD, PhD, Prof (5), Scuteri A. MD, PhD, Prof (6), Rodriguez Mañas L. MD, PhD, Prof (1-2) - (1).Fundación para la Investigación Biomédica del Hospital Universitario de Getafe. Madrid (Spain). (2).Geriatric Department. Hospital Universitario de Getafe. Madrid (Spain). (3). Hospital Monte Naranco. Asturias (Spain). (4).Universidad Católica del Sacro Cuore. Milano (Italy). (5). Diabetes Frail Ltd. (United Kingdom). (6). San Raffaele Pisana. Roma (Italy).
- P56 Fragmentation of sedentary time and its association with total energy expenditure, body composition and functional tests in Frail and Non Frail older adults.**
Ferriolli, E.Pessanha, FPA.S (1) - Pfrimer,K. (1) Fascini, P.G. (1) Alves, N.M.C. (1) Carneiro, J.A.O (2) Marchesi, J.L.S (1) Dos Santos, A.F.J (1) Lima, N.K.C (1) Moriguti, J.C (1) - (1))Division of General Internal Geriatric Medicine, Department of Clinical Medicine, Ribeirão Preto Medical School, University of São Paulo, / São Paulo - (2) Dept of Health, State University of Southwest Bahia, UESB, Jequié / Bahia (Brazil)
- P57 Feasibility of tools for screening and diagnosis frailty**
Gonzales J. MD (1-2), Checa M. MD (1-2), Palumbo C. MD (1), Carnicero J.A. PhD (1), Solano J.J. MD (3), Bernabei R. MD, PhD, Prof (4), Sinclair A. MD, PhD, Prof (5), Scuteri A. MD (6), Prof (7), Rodriguez Mañas L. MD, PhD, Prof (1-2) (1) Fundación para la Investigación Biomédica del Hospital Universitario de Getafe. Madrid (Spain). (2). Geriatric Department. Hospital Universitario de Getafe. Madrid (Spain). (3). Hospital Monte Naranco. Asturias (Spain). (4).Universidad Católica del Sacro Cuore. Milano (Italy). (5). Diabetes Frail Ltd. (United Kingdom). (6). San Raffaele Pisana. Roma (Italy).
- P58 Is Follow up Time Misleading Clinicians about Body Composition Changes in Men and Women Aged 70 Years and over?**
El Hajj Boutros Guy, BSc(c) (1,2,3) (1)Département des Sciences de l'Activité Physique, Université du Québec a Montreal, Montreal, Canada. (2) Centre de recherche de l'UIGM, Université de Montreal, Montreal, Canada. (3) Groupe de recherche en Activités Physiques Adaptées, UQAM, Montreal, Canada. De Souto Barreto Philippe, PhD, (4,5) Cesari Matteo, MD; (4,5) Andieu Sandrine, PhD, (4,5), Waters Debra Lynn, PhD, (6), Vellas Bruno, MD, (4,5), Rolland Yves, MD, (4,5), Aubertin-Leheudre Mylene, PhD, (1,2,3)(1) Département des Sciences de l'Activité Physique, Université du Québec a Montreal, Montreal, Canada. (2) Centre de recherche de l'UIGM, Université de Montreal, Montreal, Canada. (3) Groupe de recherche en Activités Physiques Adaptées, UQAM, Montreal, Canada. (4) Gerontopole de Toulouse, Institut du Vieillessement, Centre Hospitalo-Universitaire de Toulouse, Toulouse, France. (5) UMR INSERM 1027, University of Toulouse III, Toulouse, France. (6) University of Otago, Department of Medicine and School of Physiotherapy, Dunedin, New Zealand
- P59 Impact of 12-week power training on muscle function in elderly men according to their IGF1/IGFBP3 status**
Guy El Hajj Boutros BSc(c)1,2,3 – (1) Département des Sciences de l'Activité Physique, Université du Québec à Montréal, Montréal (Qc), Canada; (2) GRAPA, Université du Québec à Montréal, Montréal (Qc), Canada; (3) Centre de Recherche de l'Institut Universitaire de Gériatrie de Montréal, Montréal (Qc), Canada. Charlotte H Pion, PhD(c)1,2,3; Maude C Dulac, MSc(c)1,2,3; Jean-Philippe Leduc- Gaudet, MSc(c)1,2,3; Livia Pinheiro-Carvalho PhD(c)1,2,3; Marc Bélanger, PhD1,2,3; Stéphanie Chevalier, PhD4, Gilles Gouspillou, PhD1,2,3; José A Morais, MD4; Pierrette Gaudreau, PhD,5; Mylène Aubertin-Leheudre, PhD2,1,2,3 (1) Département des Sciences de l'Activité Physique, Université du Québec à Montréal, Montréal (Qc), Canada - (2) GRAPA, Université du Québec à Montréal, Montréal (Qc), Canada - (3) Centre de Recherche de l'Institut Universitaire de Gériatrie de Montréal, Montréal (Qc), Canada - (4) McGill University Health Centre-Research Institute and Division of Geriatric Medicine, McGill University, Montréal (Qc), Canada – (5) Centre de Recherche de Centre Hospitalier Universitaire de Montréal and Département de médecine, Université de Montréal, Montréal (Qc), (Canada)
- P60 L-arginine delays the onset of muscular dystrophy**
Gawiyou Danialou PhD Royal Military College Saint-Jean, Saint-Jean-sur-Richelieu, Quebec, (Canada)

- P61 Improvement of behavioral and psychological symptoms of dementia (BPSD) and higher caregiver's recognition of the response change in cognitive frailties by comprehensive standardized care methodology**
Mio Ito, RN. PhD. Department of Geriatric Research, Tokyo Metropolitan Institute of Gerontology, Tokyo, Japan *Miwako Honda MD.* Division of Geriatric Research, National Hospital Organization Tokyo Medical Center, Tokyo, (Japan)
- P62 The matter of handgrip strength cut off points for sarcopenia definition**
Clara Helena Gonzalez-Correa MD, PhD (1), Research Group on Bioelectrical Impedance, Research Group on Nutrition, Metabolism and Food Safety Universidad de Caldas-Manizales-Colombia Ana Millena López-Salazar (2) MD, Geriatrician. Research group on Gerontology and Geriatrics Universidad de Caldas-Manizales-Colombia - David Gonzalez-Gonzalez (3) MD, Geriatrician Research group on Gerontology and Geriatrics, Universidad de Caldas-Manizales- (Colombia)
- P63 Improvement of behavioral and psychological symptoms of dementia (BPSD) and higher caregiver's recognition of the response change in cognitive frailties by comprehensive standardized care methodology**
Mio Ito, RN. PhD. Department of Geriatric Research, Tokyo Metropolitan Institute of Gerontology, Tokyo, Japan *Miwako Honda MD.* Division of Geriatric Research, National Hospital Organization Tokyo Medical Center, Tokyo, (Japan)
- P64 The impact of physical exercise program of moderate intensity upon neuroendocrine axis, myoartokinetic system and clinicofunctional parameters in elderly patients**
Cristian Romeo Revnic MD, Ph.D (1), UMF "Carol Davila " Cardiology Department, Bucharest, Romania *Adriana Sarah Nica MD, PhD (2) Catalina Pena, MD, PhD (3), Floarea Revnic, BSc (KCI London), Ph.D. (4), Silviu Voinea MD, Ph.D (5), Bogdan Paltineanu MD, Ph.D (6) - (2) Rehabilitation Department, UMF "Carol Davila ", Bucharest Romania (3) Biology of Aging Department, NIGG "Ana Aslan ", Bucharest, Romania (4) Biology of Aging Department NIGG "Ana Aslan " Bucharest Romania (5) Oncology Department, UMF "Carol Davila ", Bucharest, Romania, (6) Sanitary Management Department, UMF Tg. Mures, (Romania)*
- P65 Assessment of Postural Control Complexity in the Frailty Syndrome before and after the execution of a functional task**
Anielle C. de M. Takahashi (1); Verena de V. B. Carmelo (1); Marcelle S. S. Buto (1); Aparecida M. Catai (1); Alberto Porta (2) - (1) Department of Physiotherapy, Federal University of São Carlos, São Paulo, Brazil; (2) Department of Biomedical Sciences for Health, University of Milan, Milan, (Italy)
- P66 Sarcopenia and its associated factors in Iranian older individuals: Results of SARIR study**
Gita Shafiee 1 Ramin Heshmatl * 2, Rezvan Hashemi (2), Ahmadreza Dorosty Motlagh (3), Parvin Pasalar (4), Ahmad Esmailzadeh (5), Fereydoun Siassi (6), Bagher Larjani (4), (1) Chronic Diseases Research Center, Endocrinology and Metabolism Population Sciences Institute, Tehran University of Medical Sciences, Tehran, Iran, (2) School of nutritional sciences and dietetics, and Zaeian hospital, Tehran university of medical science, Tehran, Iran (3) School of nutritional sciences and dietetics, Tehran university of medical science, Tehran, Iran (4) Endocrinology & Metabolism Research Center, Endocrinology and Metabolism Clinical Sciences Institute, Tehran University of Medical Sciences, Tehran, Iran (5) Department of community nutrition, school of nutrition and food science, food security Research center, Isfahan University of Medical Sciences, Isfahan, Iran (6) Department of nutrition and biochemistry, Faculty of public health, Tehran University of Medical Sciences, Tehran, (Iran)
- P67 Does excitatory brain stimulation enhance elbow flexor muscle strength in the elderly?**
Kentaro Oki PhD (1,2), Leatha A. Clark DPT (1,3), Shinichi Amano PhD (1,4), Rachel Clift RN (4), Timothy D. Law DO (1,3,4,5), Brian C. Clark PhD (1,2,5) (1) Ohio Musculoskeletal & Neurological Institute (OMNI) at Ohio University (2) Department of Biomedical Sciences at Ohio University (3) Department of Family Medicine at Ohio University (4) Clinical & Translational Research Unit at Ohio University (5) Department of Geriatric Medicine at Ohio University (USA)
- P68 Evaluation of the intra-individual variability of Myostatin and Activin A, two biomarkers of Sarcopenia: impact on the least significant change and follow up of the patients**
Étienne Cavalier, Charline Piron, Florence Watar, Stéphanie Kovacs, Charlotte Beaudart, Fanny Buckinx, Olivier Bruyère, Caroline Le Goff, Jean-Yves Reginster - University of Liège, CHU de Liège (Belgium)
- P69 Frailty and genetic longevity markers in centenarians offspring; Preliminary results of a case-control study in La Ribera county (Valencia, Spain)**
 Belenguier-Varea, Àngel (1,2); Avellana Zaragoza, Juan Antonio (1,2) **Tarazona-Santabalbina,** Francisco José (1) Sanchis Aguilar, Paula (2); Viña, José (3). (1) Hospital Universitario de la Ribera. (2) Universidad Católica e Valencia San Vicente Mártir. (3) Departamento de Fisiología. Facultad de Medicina. Universidad de Valencia. (Spain)
- P70 The effect of a multimponent exercise program on function and cognition in elderly frail patients admitted in an Acute Geriatric Unit**
Alvaro Casas Herrero. MD, PhD (1). Department of Geriatrics. Complejo Hospitalario de Navarra. IdISNA. Navarra Institute for Health Research, Pamplona, Spain. (IdISNA) Pamplona, Spain - Mikel Izquierdo PhD (2), Fabricio Zambom Ferraresi PhD (3), Javier Alonso Renedo MD (4), Mikel López-Sáez de Asteasu (5) Nicolás Martínez Velilla MD, PhD (6). (2), (5) Department of Health Sciences, Public University of Navarra, Pamplona - (3) Navarrabiomed-Fundación Miguel Servet, Pamplona, Spain. (4) Department of Geriatrics. Complejo Hospitalario de Navarra IdISNA. Navarra Institute for Health Research, Pamplona, Spain. (IdISNA) Pamplona, Spain - (6). Head of the Geriatrics Department. Complejo Hospitalario de Navarra. IdISNA. Navarra Institute for Health Research, Pamplona, Spain. (IdISNA) Pamplona, Spain. Red de Investigación en Servicios Sanitarios en Enfermedades Crónicas (REDISSEC), Pamplona, (Spain)
- P71 Additive effect of dynapenia and abdominal obesity on blood pressure, lipid and glucose metabolic profile, metabolic syndrome and cardiovascular diseases in older adults**
Tiago da Silva Alexandre, PhD (1), Lígiana Pires Corona, PhD (2), Tábatta Renata Pereira de Brito, PhD (3), Daniela Pires Nunes, PhD (4), Mylène Aubertin-Leheudre, PhD (5), Livia Pinheiro Carvalho, MSc (6), Jair Lício Ferreira Santos, PhD (7), Yeda Aparecida de Oliveira Duarte, PhD (8), Maria Lúcia Lebrão, PhD (9) (1) Gerontology Department, Federal University of São Carlos, São Carlos, Brazil. (2) Faculty of Applied Sciences, University of Campinas, Campinas, Brazil. (3) Nursing Department, Faculdades Metropolitanas Unidas, São Paulo, Brazil. (4) Nursing Department, Faculdades Metropolitanas Unidas, São Paulo, Brazil. (5) Department of Science of Physical Activity, Montreal, Canada. (6) Physical Therapy Department, Federal University of São Carlos, São Carlos, Brazil. (7) Department of Social Medicine, University of São Paulo, Ribeirão Preto, Brazil. (8) Department of Medical-Surgical Nursing, University of São Paulo, São Paulo, Brazil. (9) Department of Epidemiology, University of São Paulo, São Paulo, (Brazil)
- P72 Prospective analysis of the impact of pretransplant sarcopenia on survival after liver transplantation**
Toshimi Kaido, MD, PhD, Division of Hepato-Biliary-Pancreatic and Transplant Surgery, Department of Surgery, Graduate School of Medicine, Kyoto University, Kyoto, Japan - Yuhei Hamaguchi, MD (1), Shinya Okumura, MD (1), Atsushi Kobayashi, MD (1), Shintaro Yagi, MD, PhD (1), Yumiko Tamai (2), Nobuya Inagaki, ND, PhD (2), and Shinji Uemoto, MD, PhD (1) - (1) Division of Hepato-Biliary-Pancreatic and Transplant Surgery, Department of Surgery, Graduate School of Medicine, Kyoto University, Kyoto, Japan - (2) Department of Metabolism and Clinical Nutrition, Kyoto University Hospital, Kyoto, (Japan)
- P73 Prevalence of concomitant bone and muscle wasting in patients from the SarcoPhAge study**
Médéa Locquet, M.PH. PhD Student (1), Charlotte Beaudart, M.PH., PhD Student (1), Jean-Yves Reginster, MD, PhD (1), Jean Petermans, MD, PhD (2), Sophie Gillain, MD, PhD Student (2), Adrien Quabron, M.PH. (1), Justine Slomian, M.PH., PhD Student (1), Fanny Buckinx, M.PH., PhD Student (1), Olivier Bruyère, PhD (1) (1) Department of Public Health Sciences, Epidemiology and Health Economics, University of Liège, Liège, Belgium. (2) Geriatric Department, CHU of Liège, Liège, (Belgium)
- P74 Quantity and Quality of Muscle Mass in Urban Chinese Population**
Xianfeng Zhao, PhD, Abbott Nutrition Research and Development, Shanghai, China - Wei Chen, MD, Peking Union Medical College Hospital, Beijing, China - Sheng Ge, MD, No. 6 Affiliate Hospital of Shanghai Jiaotong University, Shanghai, China - Birong Dong, West China Hospital, Chengdu, (China)
- P75 Estimating low Physical Activity with alternative methods in older adults of an agricultural cohort**
Natalia Bustamante-Ara PhD (1,2), Claudio Arnedo, MSc (3), Carlos Moreno, MSc (3), Marcelo Castillo, PhD (3), Fabio Paredes MSc (2), Catterina Ferreccio MD (1,2) - (1) Advanced Center for Chronic Diseases, Santiago, Chile. (2) Department of Public Health, Pontificia Universidad Católica de Chile, Santiago, Chile. (3) Department of Science in Physical Activity, Universidad Católica del Maule, Maule, Chile.
- P76 Functional performances on admission predicts elderly patients in-hospital falls**
Marie-Claude Audet, MD (1), Melany Hars, PhD (1) Francois Hermann, MD (1,2), Jean-Luc Reny, MD (2), Gabriel Gold, MD (3), Serge Ferrari, MD (1) Andrea Trombetti, MD (1) - (1) Division of Bone Diseases, Department of Internal Medicine Specialties, Geneva University Hospitals and Faculty of Medicine, Geneva, Switzerland - (2) Division of Geriatrics, Department of Internal Medicine, Rehabilitation and Geriatrics, Geneva University Hospitals and Faculty of Medicine, Geneva, Switzerland (3) Division of Rehabilitation and Internal Medicine, Department of Internal Medicine, Rehabilitation and Geriatrics, Geneva University Hospitals and Faculty of Medicine, Geneva, (Switzerland)
- P77 Gender differences in the relationship between ejection fraction and sarcopenia in elderly patients with heart failure**
Carlos Velandia-Carrillo MD (1), Cadena Sanabria Miguel MD (2), Paul A Camacho MD (3), Daniel D. Cohen PhD (3,4), Juan Fernando Contreras MD (5), Ana María Ospina MD (1), Paula Sánchez MS6. (1) Internal Medicine Resident, Universidad Autónoma de Bucaramanga UNAB, Colombia. (2) Department of Geriatric and Internal Medicine, Universidad Autónoma de Bucaramanga UNAB Fundación Oftalmológica de Santander - FOSCAL, Floridablanca, Colombia. - (3) Department of Research, Fundación Oftalmológica de Santander - FOSCAL, Floridablanca, Colombia. (4) Facultad de Ciencias de Salud, Universidad de Santander (UDES), Bucaramanga, Santander. - (5) Department of Internal Medicine, Fundación Oftalmológica de Santander FOSCAL, Floridablanca, Colombia. (6) Medical Student, Universidad Autónoma de Bucaramanga UNAB, Bucaramanga, Colombia. - Carlos Velandia-Carrillo MD. Internal Medicine Resident, Universidad Autónoma de Bucaramanga UNAB, Colombia. - Cadena Sanabria Miguel MD2, Paul A Camacho MD3, Daniel D. Cohen PhD (3,4), Juan Fernando Contreras MD5, Ana María Ospina MD1, Paula Sánchez MS6. - (1) Internal Medicine Resident, Universidad Autónoma de Bucaramanga UNAB, Colombia. (2) Department of Geriatric and Internal Medicine, Universidad Autónoma de Bucaramanga UNAB Fundación Oftalmológica de Santander FOSCAL, Floridablanca, Colombia. (3) Department of Research, Fundación Oftalmológica de Santander - FOSCAL, Floridablanca, Colombia. (4) Facultad de Ciencias de Salud, Universidad de Santander (UDES), Bucaramanga, Santander. (5) Department of Internal Medicine, Fundación Oftalmológica de Santander FOSCAL, Floridablanca, Colombia. (6) Medical Student, Universidad Autónoma de Bucaramanga UNAB, Bucaramanga, (Colombia)

- P78 The Internet of Things (IoT) applied to SPRINTT ICT infrastructure**
Gianluca Zia, Francesco Mocchi and Luca Carlo Feletti, Caretek, Torino (Italy)
- P79 Plasma ceramide levels are associated with worse performance in multiple gait parameters in the Mayo Clinic Study of Aging**
Alexandra M. V. Wennberg, PhD (1) Marissa Schafer, PhD (2), Rodolfo Savica, MD, PhD (1,3), Clint E. Hagen, MS(1), Nathan LeBrasseur, MS, PhD (2), Rosebud O. Roberts, MB, ChB, MS (1), David Knopman, MD (3), Clifford R. Jack Jr, MD (4), Ronald C. Petersen, MD, PhD (1,3), Michelle M. Mielke, PhD (1,3) - (1) Department of Health Sciences Research, Mayo Clinic, Rochester, MN (2) Department of Physical Medicine & Rehabilitation, Mayo Clinic, Rochester, MN (3) Department of Neurology, Mayo Clinic, Rochester, MN (4) Department of Radiology, Mayo Clinic, Rochester, MN
- P80 Tackling frailty at primary care settings: validation and comparison of three identification tools and use of health care services: baseline results**
Itziar Vergara, Primary Care Research Unit Gipuzkoa, Osakidetza, Health Services Research on Chronic Patients Network (REDISSEC), Biodonostia Health Research Institute, San Sebastian-Donostia, Spain - Itziar Vergara 1,2,3; Francisco Rivas-Ruiz 2,7; Mónica Machón 1,2,3; Ana Díez 3, 4; Eugenio Contreras Fernández 8; Kalliopi Vrotsou 1,2,3; Yolanda de Mesa 8; Andoni Bueno 1, 4; Jazmina Nuñez 1, 4; Alonso Montiel 8; Iñaki Martín-Lesende 5; Carmen Saucedo 8; Estefanía Carrasco 3; Bakarne Aguirre 1; Antonia Nava 8; Gabor Abellan van Kan 6 1. Primary Care Research Unit Gipuzkoa, Osakidetza, San Sebastian-Donostia, Spain 2. Health Services Research on Chronic Patients Network (REDISSEC) 3. Biodonostia Health Research Institute, San Sebastian-Donostia, Spain 4. Beraun Health Center, Comarca Gipuzkoa, Osakidetza, Rentería, Spain 5. San Ignacio Health Center, OSI Bilbao, Bilbao, Spain 6 Gerontopole de Toulouse, INSERM 1027 7. Research Unit, Hospital Costa del Sol, Marbella, Spain 8. Distrito Atención Primaria Costa del Sol, Málaga, Spain
- P81 Preliminary validation of a model for the identification of frail individuals in primary care settings**
Itziar Vergara, Primary Care Research Unit Gipuzkoa, Osakidetza, Health Services Research on Chronic Patients Network (REDISSEC), Biodonostia Health Research Institute, San Sebastian-Donostia, Spain - Andoni Bueno 1, 4; Ana Díez 3, 4; Jazmina Nuñez 1, 4; Mónica Machón 1,2,3; Maider Mateo-Abad 1,3; Itziar Vergara 1,2,3. 1. Primary Care Research Unit Gipuzkoa, Osakidetza, San Sebastian-Donostia, Spain 2. Health Services Research on Chronic Patients Network (REDISSEC), San Sebastian-Donostia, Spain 3. Biodonostia Health Research Institute, San Sebastian-Donostia, Spain 4. Beraun Health Center, Comarca Gipuzkoa, Osakidetza, Rentería, Spain
- P82 The impact of obesity and obesity-dynapenia on skeletal muscle function and markers of mitochondrial metabolism in elderly men**
*Nolwenn Joffin PhD(1,2,3,7 8) (1) Département des Sciences de l'Activité Physique, Université du Québec À Montréal, Montréal (Qc), Canada – (2) GRAPA, Université du Québec À Montréal, Montréal (Qc), Canada – (3) Centre de Recherche de l'Institut Universitaire de Gériatrie de Montréal (CRIUGM), Montréal (Qc), Canada. - Charlotte H Pion, PhD(c)2,3,4; Guy El Hajj Boutros BSc(c)1,2,3; Félix Saint-Jean-Pelletier, MSc(c)1,2,3; Maude C Dulac, MSc(c)1,2,3; Marc Bélanger, PhD, 1,2; Stéphanie Chevalier, PhD5; José A Morais, MD5; Pierrette Gaudreau, PhD3,6; Philippe Noirez, PhD1,2,7,8; Gilles Gouspillou, PhD*1,2,3; Mylène Aubertin-Leheudre, PhD*1,2,3 – * These authors jointly supervised and contributed equally to this work. (1) Département des Sciences de l'Activité Physique, Université du Québec À Montréal, Montréal (Qc), Canada – (2) GRAPA, Université du Québec À Montréal, Montréal (Qc), Canada – (3) Centre de Recherche de l'Institut Universitaire de Gériatrie de Montréal (CRIUGM), Montréal (Qc), Canada. (4) Département de Biologie, Université du Québec À Montréal, Montréal (Qc), Canada – (5) McGill University Health Centre-Research Institute and Division of Geriatric Medicine, McGill University, Montreal (Qc), Canada – (6) Centre de Recherche du CHUM, département de médecine, Université de Montréal, Montréal (Qc), Canada – (7) Institut de Recherche bioMédicale et d'Epidémiologie du Sport (IRMES), Institut National du Sport de l'Expertise et de la Performance (INSEP), Paris, France (8) EA7329, UFR STAPS, Université Paris Descartes, Sorbonne Paris Cité, (France)*
- P83 The identification of frailty from nutritional screening tools in community-dwelling elderly.**
Mariana Staut Zukeran, RD; Raphael Ritti Dias (2), PhD, Fabio Gazelato de Mello Franco (2), PhD, Luciana Diniz Nagem Janot de Matos (2), PhD, Maysa Seabra Cendoroglo (1), PhD, Sandra Maria Lima Ribeiro, PhD - Post-Graduation Program in Applied Human Nutrition, University of São Paulo, São Paulo Brazil - Hospital Israelita Albert Einstein, São Paulo, Brazil (3) – Universidade Federal de São Paulo, São Paulo, (Brazil)
- P84 Do mixed power training-induced neurophysiological and muscular adaptations differ in elderly men according to their functional level?**
Charlotte H. Pion, PhD(c) (1,3,4), Guy El Hajj Boutros, BSc(c) (2,3,4), François C. Lemieux, MSc (2), Maude C Dulac, MSc (2,3,4), Stéphanie Chevalier, PhD (5), Pierrette Gaudreau, PhD (4,6), Gilles Gouspillou, PhD (2,3,4), José A. Morais, MD, PhD (5), Marc Bélanger, PhD (2,3), Mylène Aubertin-Leheudre, PhD (2,3,4), (1) Département de Biologie, Université du Québec à Montréal, Canada. (2) Département des Sciences de l'Activité Physique, Université du Québec à Montréal, Canada. (3) Groupe de recherche en Activités Physiques Adaptées, Université du Québec à Montréal, Canada. (4) Centre de Recherche de l'Institut Universitaire de Gériatrie de Montréal, Montreal, Canada. (5) McGill University, Division of Geriatric Medicine, Montreal, Canada. (6) Centre de recherche du CHUM, Département de médecine, Université de Montréal, (Canada)
- P85 Resting Metabolic Rate and Timed Gait in the Health, Aging, and Body Composition Study**
MJ Huisingh-Scheetz MD MPH (1), KWroblewski MS (1), Hue T (2), Newman A (3), Satterfield S (4), Harris T (5), D Schoeller PhD (6) - University of Chicago (1), University of California San Francisco (2), University of Pittsburgh (3), University of Tennessee (4), National Institute on Aging (5), University of Wisconsin-Madison (6) (USA)
- P86 Implementing assessment of cognitive function and frailty into primary care**
Bertrand Fougère, MD, PhDa,b, Stéphanie Oustric, MD,b,c, Neda Tavassoli PharmD, PhDa,d, Bruno Chicoulaa, MDc, Julien Delrieu, MDa, Bruno Vellas, MD, PhDa,b,d and FAP group** - aGérontopôle, Centre Hospitalier Universitaire de Toulouse, Toulouse, France - bInserm UMR1027, Université de Toulouse III Paul Sabatier, Toulouse, France - cDépartement de médecine générale, Université de Toulouse, France - dEquipe Régionale Vieillesse et Prévention de la Dépendance, Centre Hospitalier Universitaire de Toulouse, (France)*
- P87 Does protein supplementation and resistance-type exercise training influence the body composition of sarcopenic obese old men? – A pilot study.**
Anke Heber, PhD (1), Elisabeth Schulte, MA (1), Neele Hörner, MA (3), Katja Stöver, PhD (2), Jo Latsch, MD (1), Klara Brixius, MD (1) (1) Institute of Cardiology & Sports Medicine, Department of Molecular & Cellular Sport Medicine, German Sport University Cologne, Germany (2) Institute of Movement & Sport Gerontology, German Sport University Cologne, Germany (3) Institute of Biochemistry, German Sport University Cologne, (Germany)
- P88 BIA and DEXA agreement for SMI evaluation in sarcopenia diagnosis**
Clara Helena Gonzalez-Correa, PhD, Research Group on Bioelectrical Impedance, Universidad de Caldas-Manizales-Colombia - Pablo Andrés Castaño-Gonzalez, MD, Internist, Research Group on Nutrition and Body Composition, Universidad de Caldas-Manizales-Colombia Felipe Marulanda-Mejía, Geriatrician, Research Group on Geriatrics Gerontology, Universidad de Caldas-Manizales- (Colombia)

- P89 Association between frailty and cognitive impairment among 50 year-old and over adults with human immunodeficiency virus/acquired immunodeficiency syndrome (hiv/aids)**
Alfonso Zamudio MD (1)Avila-Funes, MD, PhD (2,3), Pablo Francisco Belaunzarán (4), Karen Suarez (5),(1) Programme Master and Doctor of Medicine, Dentistry and Health. Master of Health Sciences. National Autonomous University of Mexico (UNAM); Mexico.(2) Head of the Department of Geriatrics, National Institute of Medical Sciences and Nutrition Salvador Zubirán; Mexico (3) Univ. Bordeaux, ISPED, Centre INSERM U897, F-33000 Bordeaux, France (4) Department of Infectology National Institute of Medical Sciences and Nutrition Salvador Zubirán; Mexico (5) Autonomous University of Veracruz-Villarica (Mexico)
- P90 Vit D deficit Nutritional state and Friaity in Chilean older people**
Cecilia Albala MD, MPH INTA, Universidad de Chile - Lera Lydia(1), Sánchez Hugo (1), Angel Barbara (1), Patricia Arroyo (2), Marquez Carlos (1), Moya Mario (1), Institute of Nutrition and Food Technology, Universidad de Chile - Clinic Hospital Universidad de (Chile)
- P91 Effect Of Withania Somenifera Against Aged Brain Of Mice**
Manju Jata 113 Rathore nagar Vaishali nagar, Jaipur 302012 (Jaipur)
- P92 Prevalence of Sarcopenia and associated factors in a sample of older adults community-dwelling located in Brazil's northeast.**
 Carolina Dutra Pinheiro, MPhy (1), **Juliana Fernandes de Souza Barbosa**, PhD Student (2), João Afonso Ruaro, Phd (3), Ricardo Oliveira Guerra, PhD (4) (2) PhD Student, The International Mobility in Aging Study, Department of Physiotherapy, Universidade Federal Rio Grande do Norte, Natal, Brazil (1) Master in Physiotherapist, Department of Physiotherapy, Universidade Federal Rio Grande do Norte, Natal, Brazil - (3) Assistant Professor, Department of Physiotherapy, Universidade Estadual do Centro Oeste, Guarapuava, Paraná, Brazil - (4) Department of Physiotherapy, Universidade Federal Rio Grande do Norte, Natal, (Brazil)
- P93 Effects of γ -aminobutyric acid-enriched fermented sea tangle on brain derived neurotrophic factor-related muscle growth and lipolysis in middle aged women**
Byeong-hwan Jeon, PhD (1), Wook-chul Choi, MS (2), Storm Reid, MS (3) Sports and health, Kyungsoong University, Republic of Korea (1)Byeong-hwan Jeon, PhD, Sports and health, Kyungsoong University, Republic of Korea (2)Wook-chul Choi, MS, Sports and health, Kyungsoong University, Republic of Korea (3)Storm Reid, MS, Sports and health, Kyungsoong University, (Republic of Korea)
- P94 The impact of nutrition guidelines for the caregivers of the elderly on their healthy living in ondo west, nigeria.**
Jerome Abiola Olomo, Dept. of Hospitality, Tourism & PR Management, Vanderbijlpark, South Africa. Oluseun Ariyo PhD, Dept. of Human Nutrition, University of Ibadan, (Nigeria)
- P95 Therapeutic potentials of eccentric exercises for age related muscle atrophy**
Jae-Young Lim, MD, PhD Associate Professor Department of Rehabilitation Medicine Seoul National University Bundang Hospital (Republic of Korea)
- P96 Aging augments the effects of pulmonary influenza infection on weight loss, mobility performance, inflammation and induction of muscle degradation genes.**
 Jenna M Bartley, PhD (1,2), Sarah Pan, BS (1), Spencer Kellich, BS (1), Jacob Hopkins, BS, CSCS (1,2), **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, CT 06030
- P97 IGF-1 as cross-road between nutritional and hormonal pathways in hospitalized older adults: an ancillar study of glisten cohort**
Marcello Maggio (1,2) (1)Dipartimento di Medicina Clinica e Sperimentale, Università di Parma, Parma, Italia. (2) Dipartimento Geriatrico-Riabilitativo, Azienda Ospedaliero-Universitaria di Parma, Parma, Italia. Fulvio Lauretani (2), Alberto Fsischella (2), Marco Mantovani (2), Andrea Ticinesi (1), Francesco Corica (3), Francesco Landi (4), Stefano Volpato (5), Gian Paolo Ceda (1,2) - (1) Dipartimento di Medicina Clinica e Sperimentale, Università di Parma, Parma, Italia. - (2) Dipartimento Geriatrico-Riabilitativo, Azienda Ospedaliero-Universitaria di Parma, Parma, Italia. (3) Dipartimento di Medicina Clinica e Sperimentale, Università di Messina, Messina, Italia. (4) Dipartimento di Geriatria, Neuroscienze e Ortopedia, Università Cattolica del Sacro Cuore, Roma, Italia. (5) Dipartimento di Scienze Mediche, Università di Ferrara, Ferrara, Italia.
- P98 The Relationship of endogenous plasma β Hydroxy- β Methyl Butyrate (HMB) concentrations to age and total appendicular muscle mass in humans**
Rebecca Kuriyan*, Deepa P Lokesh I, Sumithra Selvam I, Jayakumar J1, Mamatha G Philip 1, Sathyavageeswaran Shreeram 2, Anura V Kulpad 1 - 1Division of Nutrition, St John's Research Institute, St John's National Academy of Health Sciences, Bangalore, India. - 2 Abbott Nutrition Research and Development, 20 Biopolis Way, #09-01/02 Centros Building, Singapore 138668. - Rebecca Kuriyan, Division of Nutrition, St John's Research Institute, St John's National Academy of Health Sciences, Bangalore, 560034, India.
- P99 Age-related loss of muscle quality: impact of voluntary physical activity**
Maude C Dulac, MSc(c)1,2,3 - (1) Département des Sciences de l'Activité Physique, Université du Québec à Montréal, Montréal (Qc), Canada; (2) GRAPA, Université du Québec à Montréal, Montréal (Qc), Canada; (3) Centre de Recherche de l'Institut Universitaire de Gériatrie de Montréal, Montréal (Qc), Canada. Charlotte H Pion, PhD(c)2,3,4, Gilles Gouspillou, PhD1,2,3 Guy El Hajj Boutros, BSc(c)1,2,3 Stéphanie Chevalier, PhD5, Marc Bélanger, PhD1,2,3 Mélanie Plourde, PhD6, Russel T Hepple, PhD7, José A Morais, MD5, Mylène Aubertin-Leheudre, PhD1,2,3 - (1) Département des Sciences de l'Activité Physique, Université du Québec à Montréal, Montréal (Qc), Canada - (2) GRAPA, Université du Québec à Montréal, Montréal (Qc), Canada - (3) Centre de Recherche de l'Institut Universitaire de Gériatrie de Montréal, Montréal (Qc), Canada - (4) Département de Biologie, Université du Québec à Montréal, Montréal (Qc), Canada - (5) McGill University Health Centre-Research Institute, Division of Geriatric Medicine, McGill University, Montréal (Qc), Canada - (6) Centre de Recherche de l'Institut Universitaire de Gériatrie de Sherbrooke, Université de Sherbrooke (IUGS), Sherbrooke (Qc), Canada - (7) Department of Kinesiology and Physical Education, McGill University, Montreal (Qc), Canada.
- P100 Impact of a medication review to optimize prescriptions in primary care**
 Elodie Magre, PharmD1, **Cecile McCambridge**, PharmD1, Charlene Cool PharmD1, Soraya Qassem PharmD1, Isabelle Recoche PharmD1, Frederic Farbos PharmD1, Philippe Cestac, PharmD, PhD1, Sandrine Sourdet MD2, B. Vellas MD, PhD2 (1) Department of Pharmacy, Toulouse University Hospital, Toulouse, France (2) Department of Geriatric Medicine, Toulouse University Hospital, Toulouse, France
- P101 Standardized frailty phenotype criteria: short term predictions. the toledo study for healthy aging**
Contreras, B(1) Camicero, JA (2); Alonso-Bouzón, C (1); García-García, FJ (2); Rodríguez- Mañas, L1. (1)- Geriatric Department. Hospital Universitario de Getafe (Madrid) (2)- Geriatric Department. Hospital Virgen del Valle (Toledo)
- P102 Association between myocyte quality control signaling and sarcopenia in older hip-fractured patients**
Emanuele Marzetti, MD, PhD1, (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart - Maria Lorenzi, PhD1, Amerigo Menghi, MD, PhD1, Francesco andi, MD, PhD1, Riccardo Calvani, PhD1- (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart (Italy)
- P103 Age-related trajectories of muscle mass and function in Italian community-dwellers visiting Milan EXPO: results from the VIP study.**
Matteo Tosato, MD, PhD1 (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, Italy Riccardo Calvani, PhD1, Emanuele Marzetti, MD, PhD1, iulia Savera, BSc1, Agnese Collamati, MD1, Alex Sisto, BSc1, Elena Ortolani, MD1, Anna Maria Martone, MD1, Francesco Landi, MD, PhD1 (1) Department of Geriatrics, Neurosciences and Orthopedics Catholic University of the Sacred Heart (Italy)
- P104 Assessing Sarcopenia in older hospitalized patients. Feasibility and prevalence estimates of the EWGSOP algorithm.**
Francesco Landi, MD, PhD1 (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, Italy Riccardo Calvani, PhD1, Pasquale Abete, MD, PhD2, Giuseppe Bellelli, MD, PhD3, Mario Bo, MD, PhD4, Antonio Cherubini, MD, PhD5, Francesco Corica, MD, PhD6, Marcello Maggio, MD, PhD7, Mauro Zamboni, MD, PhD8, Stefano Volpato, MD, PhD9 (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, Italy (2) Department of Translational Medical Sciences, University of Naples "Federico II", Italy. (3) Department of Health Sciences, University of Milano-Bicocca and S. Gerardo Hospital, Geriatric Clinic, Monza, Italy (4) SCU Geriatria e Malattie Metaboliche dell'Osso, Città della Salute e della Scienza, Torino, Italy (5) Geriatrics and Emergency Care, Italian National Research Centre on Aging, Ancona, Italy (6) Department of Clinical and Experimental Medicine, University of Messina, Messina, Italy. (7) Department of Clinical and Experimental Medicine, Section of Geriatrics, University of Parma, Italy - (8) Department of Medicine, Section of Geriatrics, University of Verona, Verona, Italy. - (9) Department of Medical Science, University of Ferrara, (Italy)
- P105 Animal-derived dietary protein, muscle mass and function in community-dwellers visiting Milan EXPO: results from the VIP study**
Riccardo Calvani, PhD1(1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, Italy Emanuele Marzetti, MD, PhD (1), Matteo Tosato, MD, PhD (1), Giulia Savera, BSc (1), Agnese Collamati, MD (1), Alex Sisto, BSc (1), Elena Ortolani, MD (1), Anna Maria Martone, MD (1), Francesco Landi, MD, PhD (1) (1) Department of Geriatrics, Neurosciences and Orthopedics Catholic University of the Sacred Heart (Italy)
- P106 Isokinetic muscle strength in Frail and Non Frail older adults and its association with frailty physical criteria.**
Ferrioli E, (1) Pessanha, F.P.A.S (1) Alves, N.M.C. (1) Pfrimer, K. (1) Marques, L.T. (2) Angeluni, M.O. (2) Iosimuta, N.C.R. (2) Junior, R.F. (2) Moriguti, J.C (1) Lima, N.K.C (1) De Abreu, D.C.C (2) - (1) Division of General Internal Geriatric Medicine, Department of Clinical Medicine, Ribeirão Preto Medical School, University of São Paulo, Ribeirão Preto / São Paulo (2) Program in Rehabilitation and Functional Performance, University of São Paulo, Ribeirão Preto / São Paulo (Brazil)
- P107 Monitoring movement jerkiness and motor planning deficits using portable tools: A preliminary result**
Shinichi Amano, PhD (1,2) Leatha Clark, DPT, MS(1,3) Timothy D. Law, DO, MBA (1,2,3,4) Rachel Clift, MSN, RN (2) S. Lee Hong, PhD.(1,5) and Brian C. Clark, PhD. (1,4,5) (1) Ohio Musculoskeletal and Neurological Institute (OMNI) at Ohio University, Athens, OH, USA; (2) Clinical and Translational Research Unit at Ohio University, Athens, OH, USA; (3) Department of Family Medicine at Ohio University, Athens, OH, USA; (4) Department of Geriatric Medicine at Ohio University, Athens, OH, USA; (5) Department of Biomedical Sciences at Ohio University, Athens, OH, USA
- P108 A Multi-faceted Intervention to Slow Frailty in Primary Care: The TRIAGE (Targeting, Referring, Intervening to Promote Healthy AGEing) Study**
Courtney Kennedy, PhD (1), Larkin Lamarche, PhD (2), Alexandra Papaioannou, MD (1,3), Doug Oliver MD (2), George Ioannidis, PhD (1), Sarah Radcliffe, MSc (1), Ruta Valaitis, PhD (4), Lisa Dolovich, PhD (2) - (1) Geriatric Education and Research in Aging Sciences (GERAS) Centre, Hamilton Health Sciences, Hamilton, Canada- (2) Department of Family Medicine, McMaster University, Hamilton, Canada - (3) Department of Medicine, Division of Geriatrics, McMaster University, Hamilton, Canada - (4) School of Nursing, McMaster University, Hamilton, (Canada)

- P109 The relationship between T-cell responses to cytomegalovirus (CMV), circulating markers of inflammation, and frailty in HIV- and HIV+ men in the Multicenter AIDS Cohort Study (MACS)**
Joseph B Margolick, MD, PhD Department of Molecular Microbiology and Immunology, The Johns Hopkins University Bloomberg School of Public Health, Baltimore, Maryland, Jay H Bream, PhD(2), ricia Nilles, MS(3), Huifen Li, PhD(4), Susan Langan, MS, MPH(5), Sean X Leng, MD, PhD(6 - (2,3,5) Department of Molecular Microbiology and Immunology, The Johns Hopkins University, Baltimore, Maryland,(4,6) Department of Medicine, The Johns Hopkins University School of Medicine, Baltimore, Maryland,(USA)
- P110 Physical Frailty, Cognitive Frailty, and the Risk of Dementia in the Gait and Brain Study.**
Manuel Montero-Odasso, MD, PhD (1,2), Brittany Barnes, MSc (1), Mark Speechley, PhD (1,2), Susan Muir-Hunter, PT, PhD (1,2), Tim Doherty, MD, PhD (3), Gustavo Duque, MD, PhD (4), Karen Gopaul, MSc1, Anam Islam, MSc1, Luciano Sposato, MD, MBA (5), Alvaro Casas-Herrero, MD, PhD (6), Micheal Borrie, MBBS (1,2), Richard Camicioli, MD (7), Jennie Wells, MD (1,2) (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, Ontario, Canada; (3) Department of Physical Medicine and Rehabilitation, Schulich School of Medicine & Dentistry, University of Western Ontario London, Ontario, Canada; (4) Australian Institute for Musculoskeletal Sciences, University of Melbourne, Melbourne, Australia; (5) Department of Clinical Neurological Sciences, University of Western Ontario, London, Ontario, Canada; (6) Department of Geriatrics, Complejo Hospitalario de Navarra, Pamplona, Navarra, Spain; (7) Department of Medicine, University of Alberta, Edmonton, Alberta, (Canada)
- P111 1H NMR and ultrastructural studies of skeletal muscle from elderly patients with osteoarticular and degenerative pathology**
Cristian Romeo Revnic, MD.Ph.D (1), UMF "Carol Davila " Cardiology Department, Bucharest, Romania Catalina Pena, MD, PhD (2), Speranta Prada MD, PhD (3), Aslan " , Floarea Revnic, BSc(KCI London).PhD.(4), Gabriel Prada MD PhD(5) - (2) Biology of Aging Department, NIGG "Ana Aslan " , Bucharest, Romania(3)Pharmacology Department NIGG "Ana Aslan "(4)Biology of Aging Department, NIGG "Ana Aslan " , Bucharest, Romania,(5)Gerontology and Geriatrics Department, UMF "Carol Davila " , Bucharest, (Romania)
- P112 1H NMR studies concerning the behaviour of hexagonal lattice of myofibrillaments during contractile activity in rat heart muscle of different ages**
Cristian Romeo Revnic, MD.Ph.D(1), UMF "Carol Davila " Cardiology Department, Bucharest, Romania Catalina Pena, MD, PhD(2), Speranta Prada MD, PhD(3), Aslan " , Floarea Revnic, BSc(KCI London).PhD.(4), Gabriel Prada MD PhD(5) (2) Biology of Aging Department, NIGG "Ana Aslan " , Bucharest, Romania(3)Pharmacology Department NIGG "Ana Aslan "(4)Biology of Aging Department, NIGG "Ana Aslan " , Bucharest, Romania,(5)Gerontology and Geriatrics Department, UMF "Carol Davila " , Bucharest, (Romania)
- P113 Frailty By SOF criteria and Cachexia: Data from Sarcopenia in Older adults with Heart Failure - SACI study**
Alberto Frisoli Jr, MD, PhD - CardioGeriatric Section - Cardiology Division- Federal University of São Paulo - Fabiola Martin, MS; Antonio Carlos de Camargo Carvalho, MD, PhD , CardioGeriatric Section Cardiology Division - Federal University of São Paulo (Brazil)
- P114 The investigation of sarcopenia still requires much debate**
Natasha Aparecida Grande de França, MSc (1), Barbara Santarosa Emo Peters, PhD (1), Patricia Couceiro Santos, BSc (1), Marcela Menah de Sousa Lima, Elena Beatris - Curatella, Regina Mara Fisberg, PhD1, Lígia Araújo Martini, PhD1 (1)Department of Nutrition, School of Public Health, Sao Paulo University, Sao Paulo, (Brazil)
- P115 Obese but not sarcopenic body composition phenotypes occurring in effectively treated HIV males are associated with increased frailty over time**
Julian Falutz, MD (1) McGill University Health Center, Montreal, Canada - L Rosenthal, MD (1), C Prado, PhD (2), A Malagoli, MD (3), S Zona, MD (3), T Brothers, BSc (4) S Kirkland, PhD (4), K Rockwood, MD, G Guaraldi, MD(3)(1)McGill University Health Center, Montreal, Canada (2)University of Alberta, Edmonton, Canada (3)University of Modena and Reggio Emilia, Modena, Italy (4)Dalhousie University, Halifax, (Canada)
- P116 Iron overload reduces longevity and increases frailty in knock-out HFE mice**
Noirez Philippe (1,,2), PhD - l'Institut de Recherche bioMédicale et d'Epidémiologie du Sport (IRMES), Institut National du Sport de l'Expertise et de la Performance (INSEP), Paris, France - 2EA7329, UFR STAPS, Université Paris Descartes, Sorbonne Paris Cité, France Djemai Haidar (1,2), PhD student, Remi Thomasson (1,2), PhD, Desgorces François (1,2), PhD, Vitiello Damien (1,2), PhD, Toussaint Jean-François 1 MD, PhD (1) Institut de Recherche bioMédicale et d'Epidémiologie du Sport (IRMES), Institut National du Sport de l'Expertise et de la Performance (INSEP), Paris, France 2EA7329, UFR STAPS, Université Paris Descartes, Sorbonne Paris Cité, (France)
- P117 Frailty in hospitalised heart failure patients predicts death and rehospitalisation at 6 months.**
Julee McDonagh, RN (1), Caleb Ferguson, RN, PhD (1), Sunita R Jha (1), Serra E Iynian (1), Cleo CJ Crossley, RN (1), Elyn Montgomery, RN (2), Christine Hwang, RN (1,2), Sally C Inglis, RN, PhD(1), Gusharan Singh1, Patricia M Davidson, RN, PhD (3), Peter Macdonald, PhD, MD (2), Phillip J Newton, RN, PhD (1) - (1) Centre for Cardiovascular and Chronic Care, University of Technology Sydney, Australia (2) St Vincent's Hospital Heart Lung Clinic, St Vincent's Hospital, Sydney, Australia (3) School of Nursing, Johns Hopkins University, Baltimore, (USA)
- P118 Hormonal determinants of hand grip strength in older hospitalized patients: ancillary study of glisten**
Marcello Maggio(1,2), Fulvio Lauretani (2), Alberto Fischella (2), Marco Mantovani (2), Andrea Ticinesi (1), Francesco Corica (3), Francesco Landi (4), Stefano Volpato (5), Gian Paolo Ceda(1,2) - (1) Dipartimento di Medicina Clinica e Sperimentale, Università di Parma, Parma, Italia. - (2) Dipartimento Geriatrico-Riabilitativo, Azienda Ospedaliero-Universitaria di Parma, Parma, Italia. (3) Dipartimento di Medicina Clinica Sperimentale, Università di Messina, Messina, Italia. (4) Dipartimento di Geriatria, Neuroscienze e Ortopedia, Università Cattolica del Sacro Cuore, Roma, Italia. (5) Dipartimento di Scienze Mediche, Università di Ferrara, Ferrara, (Italia)
- P119 Health protective factors mitigate the risks of mortality and deficit accumulation in aging**
Zhan Yang, PhD1 Xiaowei Song PhD, MScS2 1 Zhan's 2 Health Sciences and Innovation, Fraser Health Authority, BC, (Canada)
- P120 Performance of older adults with frailty syndrome in the timed up and go test**
Paulo Giusti Rossi (1), Juliana Hotta Ansaí, MD (1), Ana Claudia Silva Farche (1), Larissa Pires de Andrade (1), **Anielle Cristhine de Medeiros Takahashi MD, PhD (1)** - (1) Department of Physiotherapy, Federal University of São Carlos, São Paulo, (Brazil)
- P121 Six-minute walk test performance in frailty syndrome**
Ana Claudia Silva Farche (1); Paulo Giusti Rossi¹ (1) Juliana Hotta Ansaí¹(1), MD; Airton de Almeida Pena Júnior(1); **Anielle Cristhine de Medeiros Takahashi, PhD(1)** - (1) Department of Physiotherapy, Federal University of São Carlos, São Paulo, (Brazil)
- P122 The Development of a Frailty Assessment Instrument Specific for Chinese Older Adults**
Ning Ge, MD PhD (1 2), Ding Ding, MD (2), Jennifer Schrack, PhD (3), Yi Song, RN (2) Jeremy D Walston, MD (1) - (1) the Older Americans Independence Center, Johns Hopkins University, Baltimore, USA - (2) West China Hospital, Sichuan University, (3) Department of Epidemiology, Johns Hopkins University, Baltimore, (USA)
- P123 Does sarcopenia affect the mass and strength of suprahyoid muscles?**
Nami Machida, Department of Gerontology and Gerodontology, Tokyo Medical and Dental University, Japan Haruka Tohara, Department of Gerontology and Gerodontology, Tokyo Medical and Dental University, Japan Shunsuke Minakuchi, Department of Gerontology and Gerodontology, Tokyo Medical and Dental University, (Japan)
- P124 A Comparison of Frailty Indexes for the Prediction of Disability and Hospitalization in Older Patients Admitted to a Geriatric Day Hospital.**
Sumika Mori Lin, MD Frailty clinic, Hospital das Clínicas de São Paulo, Brazil - Raquel Ferreira Barcelos, MD Hospital das Clínicas de São Paulo, Brazil Juliana de Araújo Melo, Sileno de Queiroz Fortes' Filhos, MD Geriatric Day, Hospital das Clínicas de São Paulo, Brazil Serpui Marie Elmadjian, medical student at Universidade Anhembi Morumbi, São Paulo, Brazil Márlon Juliano Romero Aliberti, MD Geriatric Day Hospital Chief at Hospital das Clínicas da Universidade de São Paulo, (Brazil)
- P125 Effect of sarcopenia on the metabolic cost of walking among older adults**
Duane B. Corbett 1, PhD(1), Amal A. Wangatunga, MPH (1), Vincenzo Valiani, MD (1), Eileen M. Handberg, PhD (1), Christopher M. Janelle, PhD (1), Todd M. Manini, PhD(1) (1) University of Florida, Gainesville, FL (USA)
- P126 Prevalence of dynapenia, sarcopenia and sarcopenic obesity and fall risk in elderly mexicans**
Wendy Rodríguez-García, MSc (1), Luis García-Castañeda, BChD (1), Lilia Castillo-Martínez, PhD (1), MSc (2), Mima Ruiz-Ramos, PhD (2), Víctor Mendoza-Núñez MD, PhD (2). (1) Instituto Nacional de Ciencias Médicas y Nutrición "SZ" (2) Facultad de Estudios Superiores Zaragoza, Universidad Nacional Autónoma de (Mexico)
- P127 The role of physical training upon hpa axis modulation, muscle physiology and sexual function in elderly men**
Cristian Romeo Revnic, MD.Ph.D (1), UMF "Carol Davila " Cardiology Department, Bucharest, Romania Gabriel Prada MD.Ph.D (2), Adriana Sarah Nica MD, PhD (3), Catalina Pena, MD, PhD(4), Floarea Revnic, BSc(KCI London).PhD.(5), Silvia Voinea MD.Ph.D(6), Bogdan Paltimeanu MD, PhD(7)(2) Rehabilitation Department, UMF "Carol Davila " , Bucharest Romania(3)Biology of Aging Department, NIGG "Ana Aslan " , Bucharest, Romania(4)Biology of Aging Department NIGG "Ana Aslan " Bucharest Romania(5)Oncology Department, UMF "Carol Davila " , Bucharest, Romania,(6)Sanitary Management Department, UMF Tg. Mures (Romania)
- P128 Poor satellite cells impair muscle regeneration during osteoporosis and sarcopenia**
Eleonora Piccirilli MD (1), Jacopo Baldi MD (1), Manuel Scimeca PhD (2), Elena Bonanno MD PhD (2), Elena Gasbarra MD (1) and Umberto Tarantino MD(1) - (1)Department of Orthopaedics and Traumatology, University of Rome Tor Vergata, Policlinico Tor Vergata Foundation, Viale Oxford 81 00133 Rome (Italy) (2) Department of Pathological Anatomy, University of Rome Tor Vergata, Policlinico Tor Vergata Foundation, Viale Oxford 81 00133 Rome (Italy)
- P129 Sarcopenia in older people with Non-End Stage Chronic Kidney disease**
Carlos Quiñonez-Olivas, MD (1), Ricardo Salinas-Martínez, MD (1,2), Guillermo Guajardo-Álvarez, MD (1), Carlos Beltrán, MD (1), Alicia Arredondo, MD (1), Edgar Hernández, MD (1) (1) Division of Geriatrics, "Dr. José Eleuterio González" University Hospital, Universidad Autónoma de Nuevo León. (2) University Gerontological Committee, Universidad Autónoma de Nuevo León. Carlos Gabriel Quiñonez Olivas, MD Division of Geriatrics, "Dr. José Eleuterio González" University Hospital, Universidad Autónoma de Nuevo León, México. Ricardo Salinas-Martínez, MD(1,2), Guillermo Guajardo Álvarez, MD(1), Carlos Beltrán, MD(1), Alicia Arredondo, MD(1), Edgar Hernández, MD(1) -(1)Division of Geriatrics, "Dr. José Eleuterio González" University Hospital, Universidad Autónoma de Nuevo León. -(2) University Gerontological Committee, Universidad Autónoma de Nuevo León.(Mexico)

- P130 Development of the first functionally mature in vitro human muscle model: a new paradigm for fundamental research and drug discovery**
 Joris Michaud, M.Sc.1, Yoran Margaron, PhD1, Mathieu Fernandes, PhD1, Pauline Menager, PhD1, Pauline Poydenot, B.Sc.1 and **Sebastien Degot**, PhD1 - (1)CYTOO, Grenoble, (France)
- P131 Are predictors of functional capacity improved following a Power Training in obese and dynapenic-obese older men?**
Livia Pinheiro Carvalho, PhD(c)(1,2,3,4); Charlotte H Pion, PhD(c)(2,3,4); François C Lemieux, MSc(2,3,4); Guy El Hajj Boutros, BSc(c)(2,3,4); Audrey Borghi-Silva, PhD(1); Pierrette Gaudreau, PhD(4,5); Stéphanie Chevalier, PhD(6); Marc Bélanger, PhD(2,3); Gilles Gossipillou, PhD(2,3,4); José Moraes, MD(6); Mylène Aubertin-Leheudre, PhD(2,3,4) - (1) Department of Physical Therapy, University of Sao Carlos, Sao Carlos (SP), Brazil (2) Department of Physical Activity Sciences, University of Quebec in Montreal, Montreal (QC), Canada (3) GRAPA (Groupe de Recherche en Activité Physique Adaptée), University of Quebec in Montreal, Montreal (QC), Canada (4) CRIUQM (Centre de Recherche de l'Institut Universitaire de Gériatrie de Montréal), University of Montreal, Montreal (QC), Canada (5) CHUM (Centre Hospitalier de l'Université de Montréal), University of Montreal, Montreal (QC), Canada (6) McGill University Health Centre, Research Institute and Geriatric Medicine, McGill University, Montreal (QC), (Canada)
- P132 VES-13, Gait Speed and geriatric assessment domains as predictors of complications during treatment elderly cancer patients**
Miguel Oswaldo Cadena Sanabria, MD Universidad Autónoma de Bucaramanga (UNAB), Unit of Geriatrics, Internal Medicine Department, Clínica FOSCAL, Bucaramanga, Colombia - Jorge Hernan Lopez Ramirez, MD Director of Geriatrics Program, Universidad Nacional de Colombia Bogota, Colombia
- P133 Impact of physical activity in the gait speed and muscle strength in sarcopenic patients older than 65 years**
Nemerovsky Julio (1), (1)Escuela de Ciencias del Envejecimiento, Universidad Maimónides, Hidalgo 775, CABA, Argentina - Leal Marcela (2), Mariñansky Cynthia (1), Carrazana Carla (2), Valerio Marisa (3), Herrera Javier (2), Zarebski Graciela (1), Greco José (3) - (1)Escuela de Ciencias del Envejecimiento, Universidad Maimónides, Hidalgo 775, CABA, Argentina. (2)Centro de Nutrición Maimónides (CNM), Licenciatura en Nutrición, Universidad Maimónides, Hidalgo 775, CABA, Argentina. (3)Carrera de Licenciatura en Educación Física y Deporte, Laboratorio de Fisiología del ejercicio, Universidad Maimónides, Hidalgo 775, CABA, Argentina.
- P134 Age-related Changes in Upper Limb Sensorimotor Synchronization for Geriatric Frailty Applications**
Chong Xiao Yun ((1), Geoffrey Samuel(2), Ge Yu(3), Wu Dajun(3), He Dajiang(3), Lye Weng Kit(4), Ng Yee Sien(2) - (1) Duke-NUS Medical School, Singapore, (2) Department of Rehabilitation, Singapore General Hospital, Singapore (3) Institute for Infocomm Research, Agency for Science, Technology and Research, Singapore (4) Centre for Quantitative Medicine, Duke-NUS Medical School, Singapore
- P135 Hepcidin modulates runx2a gene expression to regulate biomineralization of bone in zebrafish**
Yu Jiang PhD The Second Affiliated Hospital of Soochow University, Suzhou, China
- P136 A Dose-Ranging Study of the Natural Myostatin Reducing Agent, Fortetropin® in Young Adult Males and Females**
 Matthew H. Sharp, M.S.(2), Ryan P. Lowery, M.S.(2), Eduardo O. de Souza, Ph.D.(2), Neerav D. Padliya, Ph.D.(1), Robert J. Hariri, M.D., Ph.D.(1), Maghsoud Dariani, M.S.(1), Jacob M. Wilson, Ph.D.(2) - (1)Research and Development, MYOS Corporation, Cedar Knolls, NJ 07927 - (2) University of Tampa, Department of Health Sciences and Human Performance, Tampa, FL 33606
- P137 The addition of cognitive impairment to physical frailty improves survival prediction in heart-transplant referred patients**
Sunita R Jha B Med Sci (Hons) (1,2), Julee McDonagh RN (2), Malin K Hannu B Med Sci (Physio) M Occ Ther (1,3), Keren Gore B Sci (OT) (3), Sungwon Chang PHD (2), Phillip Newton RN PHD (1,2), Kay Wilhelm MB BS MD FRANZCP (4,5), Christopher S Hayward MBBS MD (1,5,6), Andrew Jabbour MBBS PHD (1,5,6), Eugene Kotlyar MD (1), Anne Keogh MD (1), Kumud Dhital FRACS PHD (1), Emily Granger FRACS (1), Paul Jansz FRACS PHD (1), Phillip M Spratt MBBS FRCS FRACS (1,5,7), Elyn Montgomery RN (1), Michelle Harkess MCN (1), Peta Tunidiff RN (1), Patricia M Davidson RN PHD (2,8), Peter S Macdonald MD PHD (1,5,6) - (1) Heart Transplant Program, St Vincent's Hospital, Sydney, NSW (2) Centre for Cardiovascular and Chronic Care, Faculty Health, University of Technology Sydney (3) Department of Occupational Therapy, St Vincent's Hospital, Sydney, NSW (4) Consultation Liaison Psychiatry, St Vincent's Hospital, Sydney, NSW (5) Faculty of Medicine, University of New South Wales, Sydney, NSW (6) Victor Chang Cardiac Research Institute, Sydney, NSW (7) Department of Cardiothoracic Surgery, St Vincent's Hospital, Sydney, NSW (8) Faculty of Nursing, John Hopkins University, Baltimore, (USA)
- P138 Reversibility of frailty in heart transplant listed patients**
Sunita R Jha B Med Sci (Hons) (1,2), Julee McDonagh RN(2), Malin K Hannu B Med Sci (Physio) M Occ Ther (1,3), Keren Gore B Sci (OT) (3), Sungwon Chang PHD (2), Phillip Newton RN PHD (1,2), Kay Wilhelm MB BS MD FRANZCP (4,5), Christopher S Hayward MBBS MD (1,5,6), Andrew Jabbour MBBS PHD (1,5,6), Eugene Kotlyar MD (1), Anne Keogh MD (1), Kumud Dhital FRACS PHD (1), Emily Granger FRACS (1), Paul Jansz FRACS PHD (1), Phillip M Spratt MBBS FRCS FRACS (1,5,7), Elyn Montgomery RN (1), Michelle Harkess MCN (1), Peta Tunidiff RN (1), Patricia M Davidson RN PHD (2,8), Peter S Macdonald MD PHD (1,5,6) - (1) Heart Transplant Program, St Vincent's Hospital, Sydney, NSW (2) Centre for Cardiovascular and Chronic Care, Faculty Health, University of Technology Sydney (3) Department of Occupational Therapy, St Vincent's Hospital, Sydney, NSW (4) Consultation Liaison Psychiatry, St Vincent's Hospital, Sydney, NSW (5) Faculty of Medicine, University of New South Wales, Sydney, NSW (6) Victor Chang Cardiac Research Institute, Sydney, NSW (7) Department of Cardiothoracic Surgery, St Vincent's Hospital, Sydney, NSW (8) Faculty of Nursing, John Hopkins University, Baltimore, (USA)
- P139 Medium intensity resistive training for combating sarcopenia: effects on oxidative stress, muscle size, morphology, strength and power**
 Alessandra Vezzoli, PhD (1), Michela Montorsi (1,2), Simona Mirakic-Spota, PhD (1), Sarah Moretti, PhD (1), Simone Porcelli, MD, PhD (1), Paola Vago, PhD (3), Ferdinando Cereda, PhD (3), Stefano Longo, PhD (4) and **Marco Narici**, PhD (5) - (1) Institute of Biomechanics and Molecular Physiology, National Council of Research (CNR), Segrate (MI), Italy (2) Telematic University S. Raffaele Roma, Milan, Italy (3) Catholic University of Milan, Interfaculty of Education and Medicine, Milan, Italy (4) University of Milan, Department of Biomedical Sciences for Health, Milan, Italy (5) University of Nottingham, MRC ARUK Centre for Musculoskeletal Ageing Research, Faculty of Medicine, Derby, (UK)
- P140 Brain-derived neurotrophic factor (BDNF) in normal healthy and hemodialyzed populations**
Etienne Cavalier Agnes Carlisi, Florence Watar, Stéphanie Kovacs, Charlotte Beaudart, Fanny Buckinx, Olivier Bruyère, Jean-Yves Reginster (Belgium)
- P141 Olfactory Deficit and APOE Genotype: Early diagnosis of IADL-dependency in Older People**
Yvonne Suzy Handajani, PhD (1), Yuda Turana, PhD (2), Nelly Tina Widjaja (1) - (1) Department of Public Health and Nutrition of Faculty of Medicine & Center for Health - Research, Atma Jaya Catholic University (2) Department of Neurology & Faculty of Medicine & Center for Health Research, Atma Jaya Catholic University
- P142 Physical frailty condition of elderly and fitness for driving motor vehicles**
Maria Argêlica Binotto, PhD student of the Graduate Program in Nursing, Federal University of Paraná / Curitiba, Brazil - Maria Helena Lenardt, PhD in Nursing, Federal University of Paraná / Curitiba, Brazil. - Clovis Cechinel, Master the Graduate Program in Nursing, Federal University of Paraná / Curitiba, Brazil. - Nathalia Hammerschmidt Kolb Carneiro, PhD student of the Graduate Program in Nursing, Federal University of Paraná Curitiba, Brazil. - Tânia Maria Lourenço, PhD student of the Graduate Program in Nursing, Federal University of Paraná / Curitiba, Brazil.
- P143 Protein intake, protein supplementation, lean body mass and resistance exercise in community dwelling old adults**
Alfons Ramel PhD1, (1) Faculty of Food Science and Nutrition, University of Iceland - Olaf Gudny Geirsdottir, PhD (1,2), Palmi V. Jonsson (2), PhD, Inga Thorsdottir (1), PhD. (1) Faculty of Food Science and Nutrition, University of Iceland, Reykjavik, Iceland. (2) The Icelandic Gerontology Research Center, National University Hospital of Iceland & Faculty of Medicine, Reykjavik, Iceland.
- P144 Changes in the organism's function during aging**
Natalia Prokopenko Prof. Institute of Gerontology of National Academy of Medical Sciences, Kiev, (Ukraine)
- P145 Cushing syndrome as a model for sarcopenic obesity**
Michael Drey MD, MSc (1), Ralf Schmidmaier, MD, MME (1), Christiana Berr, MD (1), Julia Fazel, MD1, Martin Reincke MD (1). (1) Medizinische Klinik und Poliklinik IV, Schwerpunkt Akutgeriatrie, Klinikum der Universität München (LMU), München, Germany
- P146 A Pilot study of Dietary Fish Oil to Enhance muscle function & injury resistance in Young and Old Rats Cushing syndrome as a model for sarcopenic obesity**
David W. Russ, PT, Ph.D., School of Rehabilitation and Communication Sciences, Ohio University, Athens, OH & Ohio Musculoskeletal and Neurological Institute, Heritage College of Osteopathic Medicine, Athens, OH
Sean M. Garvey, Ph.D. (1), **Stephanie Herman** (2), **Trevor Hawks** (2) (1) Abbott Nutrition R&D, Columbus, OH - (2) School of Rehabilitation and Communication Sciences, Ohio University, Athens, OH
- P147 Effect of a three month post-hospital nutritional intervention on functional performance in frail and malnourished older adults – a randomized controlled study**
Lindsey Otten, Jörn Kiselev, Kristina Franz, Elisabeth Steinhagen-Thiessen, Ursula Müller-Werdan, Rahel Eckardt, Dominik Spira and Kristina Norman Charité University Medicine, Research Group on Geriatrics, Berlin, Germany
- P148 Skeletal Muscle Density, Not Muscle Mass, Robustly Predicts Adverse Outcomes in Bowel Resection**
Wu Yin1, Vanderbilt University School of Medicine, Nashville, TN - Robert G. Tauscher (1), Kamran Idrees, MD (2), Heidi J. Silver, PhD, RD (2,3) - (1) Vanderbilt University School of Medicine, Nashville, TN (2) Vanderbilt University Medical Center, Nashville, TN (3) Vanderbilt Diet, Body Composition, and Human Metabolism Core Lab
- P149 Nutritional risk and frailty in institutionalized elderly in Rio de Janeiro, Brazil**
Renata Borba de Amorim Oliveira, MD, PhD Interdisciplinary Program of Health Promotion, UFRJ Macaé, Rio de Janeiro, Brasil - Jady de Freitas Baptista Salles, GradStud1, Marcio José de Medeiros, MD, PhD2, (1) Nutrition Program, UFRJ Macaé, Rio de Janeiro, Brasil – (2) Engineering Program, UFRJ Macaé, Rio de Janeiro, Brasil
- P150 Cognitive impairment moderates the effect of frailty on mortality**
Yunhwan Lee, MD, DrPH (1,2), Jinhee Kim, PhD (1), Hyung Kwon Lee (1) - (1) Department of Preventive Medicine and Public Health, Ajou University School of Medicine, Suwon, Republic of Korea (2) Institute on Aging, Ajou University Medical Center, Suwon, Republic of Korea.
- P151 Falls-associated parameters in a cohort of 641 elderly- the TREND study**
Sandra Hasmann MD (1,2), Markus Hobert (1), Jana Staebler (1), Gerhard Eschweiler MD, PHD (3), Daniela Berg, MD, PHD (1), Michael Drey MD PHD (2), Walter Maetzler, MD PHD (1) - (1) Hertie Institute for Clinical Brain Research and University Hospital of Neurology, Section Neurodegenerative Diseases, University of Tuebingen (2) University Hospital of the Ludwigs-Maximilian Universität, Internal Medicine IV, Section Geriatrics, Munich (3) University Hospital of Psychiatry and Psychotherapy, Tübingen

- P152 Functional Reach performance and fall prediction in a cohort of 1102 elderly – the TREND study**
Sandra Hasmann MD (1,2), Sebastian Kormeier (1), Markus A. Hobert (2), Katrin S. Maier (1), Sebastian Heinzel PHD (1), Janet van Uem (1), Daniela Berg, MD PHD (1), Michael Drey, MD PHD2, Walter Maetzler, MD PHD1 - (1)Hertie Institute for Clinical Brain Research and University Hospital of Neurology, Section Neurodegenerative Diseases, University of Tübingen (2) Medical Hospital IV, Geriatric Department, Klinikum der Universität München (LMU), Munich
- P153 Prioritizing frailty criteria to assess the value of nutritional interventions for the pre-frail elderly**
Mike Wallace MSc (1) (1) Nutricia Advanced Medical Nutrition, Danone, Amsterdam, the Netherlands - Marjan Hummel, PhD (2), Henk Broekhuizen, MSc (2), Maarten IJzerman, PhD (2) (2) Department of Health Technology & Services Research, University of Twente, Enschede, the Netherlands
- P154 Prevalence of Osteosarcopenia in Nonagenarians from the Louisiana Healthy Aging Study. Implications for Classification of Sarcopenia and Age-related Cardiac Sarcopenia in the Oldest Old**
Eleonora Poggiogalle (1,2), MD, Sangkyu Kim(3), PhD, Andrew Pellett(4), PhD, David A. Welsh (5),MD, S. Michal Jazwinski (3), PhD, Eric Ravussin (1), PhD - (1) Pennington Biomedical Research Center, Baton Rouge, LA, USA - (2) Dept. of Experimental Medicine- Medical Pathophysiology, Food Science and Endocrinology Section, Sapienza University, Rome, Italy - (3) Dept. of Medicine, Tulane Center for Aging, Tulane University Health Sciences Center, New Orleans, LA, USA - (4) Dept. of Cardiopulmonary Science, Louisiana State University Health Sciences Center, New Orleans, LA, USA - (5) Dept. of Medicine, Louisiana State University Health Sciences Center, New Orleans, LA, USA
- P155 Impact of polypharmacy on antiretroviral prescription in people living with HIV**
Giovanni Guaraldi (1), Marianna Menozzi (1); Ana Rita Silva (1); Stefano Zona (1); Chiara Stentarelli (1), Andrea Malagoli (1), Chiara Mussi (2), Cristina Mussini (1), Saye Khoo (3), Matteo Cesari (4); (1) Metabolic Clinic, Infectious Diseases Unit, University Policlinico Hospital, Modena, Italy (2) XXX (3) Infectious Diseases Unit at the Royal Liverpool University Hospital, Liverpool; UK (4) Gérontopôle, Centre Hospitalier Universitaire de Toulouse, Toulouse, France.
- P156 Effects of a progressive resistance training program on sarcopenia profile and functional performance of community-dwelling elder women: evidence from a quasi-experimental study**
Lygia Paccini Lustosa PhD (1), Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. - Joana Ude Viana, PT (1), João Marcos Domingues Dias, PT, PhD (1), Patrícia Parreira Batista, PT (1), Leani Souza Máximo Pereira, PT, PhD (1), Rosângela Corrêa Dias, PT, PhD (1), Sílvia Lanzziotti de Azevedo Silva, PT, PhD (2), Lygia Paccini Lustosa, PT, PhD (1) (1). Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. (2).Physical Therapy Department, Universidade Federal de Alfenas – Alfenas, Minas Gerais, Brazil.
- P157 Resistance exercise as a tool for changing sarcopenia, frailty and functional status in community-dwelling elder women from brazil: data from a quasi experimental study**
Lygia Paccini Lustosa PhD (1), Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. Joana Ude Viana, PT (1), João Marcos Domingues Dias, PT, PhD (1), Patrícia Parreira Batista, PT (1), Leani Souza Máximo Pereira, PT, PhD (1), Rosângela Corrêa Dias, PT, PhD (1), Sílvia Lanzziotti de Azevedo Silva, PT, PhD (2), Lygia Paccini Lustosa, PT, PhD (1) (1). Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. (2).Physical Therapy Department, Universidade Federal de Alfenas – Alfenas, Minas Gerais, Brazil.
- P158 Using the algorithm proposed by EWGSOP and SPPB to identify sarcopenia in Brazilian elderly community**
Lygia Paccini Lustosa PhD (1), Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. - Lygia Paccini Lustosa, PT, PhD, Patrícia Parreira Batista, PT, Thais de Oliveira Ennes, Lucas Freitas Hoelzle, Giane Amorim Ribeiro-Samora, PT, PhD, Leani Souza Máximo Pereira, PT, PhD - Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil.
- P159 Fatigue index of the knee extensor muscle and muscle performance measures in pre-frail elderly**
Lygia Paccini Lustosa PhD, Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. - Lygia Paccini Lustosa, PT, PhD, Patrícia Parreira Batista, PT, Thais de Oliveira Ennes, Lucas Freitas Hoelzle, Joana Ude Viana, PT, Leani Souza Máximo Pereira, PT, PhD - Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil.
- P160 Hand Grip strength and muscle performance measures in pre-frail elderly**
Lygia Paccini Lustosa PT, PhD, Physical Therapy Department, Universidade Federal de Minas Gerais – Belo Horizonte, Minas Gerais, Brazil. - Lygia Paccini Lustosa, PT, PhD, Patrícia Parreira Batista, PT, Thais de Oliveira Ennes, Lucas Freitas Hoelzle, Daniele Aparecida Gomes Pereira, PT, PhD, Leani Souza Máximo Pereira, PT, PhD
- P161 The morphological adaptations of human skeletal muscle to eccentric and concentric resistive training are region-specific**
Martino V Franchi (1), MRC-ARUK Centre of Excellence for Musculoskeletal Ageing Research, Division of Medical Sciences & Graduate Entry Medicine, School of Medicine, University of Nottingham, Derby, UK - Ricky J Ellis (2), Jonathan I Quinlan (1), Costantinos N Maganaris (4), Bethan E Phillips (1), Paul Greenhaff (3,5), Nathaniel Szwedczyk (1), Philip J Atherton (1), Kenneth Smith (1), Mark E Batt (2,5) & Marco V Narici (1,5) - (1) MRC-ARUK Centre of Excellence for Musculoskeletal Ageing Research, Division of Medical Sciences & Graduate Entry Medicine, School of Medicine, University of Nottingham, Derby, UK (2) Centre for Sports Medicine, Nottingham University Hospitals NHS Trust, UK. (3) MRC-ARUK Centre of Excellence for Musculoskeletal Ageing Research, School of Life Sciences, University of Nottingham, QMC, Nottingham, UK. (4) Research Institute for Sport and Exercise Sciences, Liverpool John Moores University, Liverpool, UK. (5) Arthritis Research UK Centre Sport, Exercise and Osteoarthritis.
- P162 Feasibility, safety and outcomes of plating Nintendo Wii FitTM for frail elderly: a pilot study**
Gomes, Gisele Cristine Vieira (1), Lin Sumilka Mori (2); Simoes, Maria do Socorro (2), Bacha, Jéssica Maria Ribeiro (2); Viveiro, Larissa A. P. (2); Varise, Eliana (2); Jacob-Filho, Wilson (3); Pompeu, José Eduardo (4) - (1) Physical Therapist, Department of Physical Therapy, Speech and Occupational Therapy, Faculty of Medicine, University of São Paulo, Brazil; (2) Doctor, Medical school at the University of São Paulo, Brazil (3) Professor of Department of Geriatric school at the University of São Paulo, Brazil (4) Professor of the Department of Physical Therapy, Speech and Occupational Therapy, Faculty of Medicine, University of São Paulo, Brazil; Doctor in Neuroscience and Behavior, University of São Paulo, Brazil.
- P163 Daily consumption of a specific oral nutritional supplement high in vitamin D for 6 months improves vitamin D status and does not show any signs of hypervitaminosis among sarcopenic older adults**
Sjors Verlaan (1,2), Juergen Bauer (3), Lucia Mikusova (1), Sander Wijers (1), Tommy Cederholm (4), Cornel Sieber (5) for the PROVIDE study group (1) Nutricia Research, Nutricia Advanced Medical Nutrition, Utrecht, The Netherlands (2) Department of Internal Medicine, Section of Gerontology and Geriatrics, VU University Medical Center, Amsterdam, The Netherlands (3) Department of Geriatric Medicine, Carl von Ossietzky University, Oldenburg, Germany (4) Department of Public Health and Caring Sciences/Clinical Nutrition and Metabolism, Department of Geriatric Medicine, Uppsala University Hospital, Sweden (5) Friedrich-Alexander-University Erlangen-Nürnberg, Nürnberg, Germany
- P164 High protein supplementation does not alter renal status among sarcopenic older adults over 6 months**
Sander Wijers (1) Juergen Bauer (2), Lucia Mikusova (1), Sjors Verlaan (1,3), Tommy Cederholm (4), Cornel Sieber (5) for the PROVIDE study group (1) Nutricia Research, Nutricia Advanced Medical Nutrition, Utrecht, The Netherlands (2) Department of Geriatric Medicine, Carl von Ossietzky University, Oldenburg, Germany (3) Department of Internal Medicine, Section of Gerontology and Geriatrics, VU University Medical Center, Amsterdam, The Netherlands (4) Department of Public Health and Caring Sciences/Clinical Nutrition and Metabolism, Department of Geriatric Medicine, Uppsala University Hospital, Sweden (5) Friedrich-Alexander-University Erlangen-Nürnberg, Nürnberg, Germany
- P165 Relationship between gait function and skeletal muscle quantity or quality assessed by ultrasonography and echo intensity in healthy older men.**
Yosuke Yamada PhD (1), Yuya Watanabe, PhD (2), Yoshihiro Fukumoto, PhD (3), Keiichi Yokoyama, MS (2), Tsukasa Yoshida, MS (4,5), Emi Yamagata, PhD (6), Minoru Yamada, PhD (7), Misaka Kimura, PhD (2) (1) National Institute of Health and Nutrition, Tokyo, Japan (2) Kyoto Gakuen University, Kyoto, Japan (3) Kobe Gakuin University, Kobe, Japan (4) Senior citizen's welfare section, Kameoka city, Kyoto, Japan (5) Graduate School of Science and Technology, Kyoto Institute of Technology, Kyoto, Japan (6) Doshisha Women's College of Liberal Arts, Kyoto, Japan (7) University of Tsukuba, Tokyo, Japan
- P166 Muscle strength is reduced in premenopausal obese women with relative sarcopenia**
Eleonora Poggiogalle (1,2), Carla Lubrano (1), Lucio Gnessi (1), Stefania Mariani (1), Silvia Migliaccio (2), Chiara Marocco (1), Luca Di Lazzaro (1), Gianluca Merola (1), Barbara Ciccantelli (1), Cecilia Mancini (1), Andrea Lenzi (1), Lorenzo Maria Donini (1) - (1) Medical Pathophysiology, Food Science and Endocrinology Section, Food Science and Human Nutrition Research Unit, Department of Experimental Medicine, "Sapienza" University, Rome, Piazzale Aldo Moro, 5, 00185, Rome, Italy - (2) Endocrinology Unit, Department of Movement, Human and Health Sciences, University of "Foro Italico", Rome, Italy
- P167 A home-based strength training and nutritional program effectively improves handgrip strength and physical performance in prefrail and frail older adults, even when carried out by lay volunteers**
Sandra Haider , MSc; Institute of Social Medicine, Centre for Public Health, Medical University of Vienna, Austria - Eva Luger, MSc (1), Ali Kapan, MSc (1), Christian Lackinger, PhD (2), Karin Schindler, PhD (3), Thomas Ernst Dörner, MD, MPH (1) (1) Institute of Social Medicine, Centre for Public Health, Medical University of Vienna, Austria (2) Department for Health Promotion and Prevention, SPORTUNION Austria, Vienna, Austria (3) Division of Endocrinology and Metabolism, Department of Internal Medicine III, Medical University of Vienna, Austria