8:30/9:00am Welcome by the Organizing Committee
   Roger Fielding, Shalender Bhasin, Irwin Rosenberg (Boston, USA), Matteo Cesari, Bruno Vellas (Toulouse, France)

9:00/9:30am KEYNOTE: DRUG TRIAL DESIGN FOR SARCOPENIA
   Shalender BHASIN (Boston, USA)

9:30/10:00am ORAL COMMUNICATIONS:
   Chaired by Roger Fielding (Boston, USA), Bruno Vellas (Toulouse, France)
   9:30am OC1 • Frailty in the context of older people centres and integrated care
   L Araujo, Senior Advisor, Department of Ageing and Life Course (World Health Organization)
   9:45am OC2 • EMA (European Medicines Agency) Points to consider on frailty
   Francesca Ceretta (London - UK)
   10:00am OC3 • A Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Multicenter Study Of The Safety And Bioeffect Of REGN1033 With And Without Exercise In Healthy Subjects (NCT01910220)
   Roger A. Fielding, PhD1 (1) Nutrition, Exercise Physiology and Sarcopenia Laboratory, Jean Mayer USDA Human Nutrition Research Center on Aging, Tufts University, Boston, MA - Co-authors & affiliations: Shalender Bhasin, MD2, Shehzad Basaria, MD2, Thomas Storer, PhD2, Brian C. Clark, PhD3, Timothy Law, MD3, Marco Pahor, MD4, Todd M Manini, PhD4, Ellen Binder, MD5, Christine Liu, MD6, Michael J. Koren, MD7; Evelyn Gasparin08; Paul J. Tiseo, PhD, Haobo Ren, PhD8, Richard Kao, DrPH8, Pouabli Banerjee, PhD8, Pavel Kovalenka, PhD8, Scott Mellis MD8, PhD, Robert Pordy, MD8, Stephen Donahue MD8, Xiaobing Qian, MD, PhD8 (2)Section on Men’s Health, Aging & Metabolism, Brigham and Women’s Hospital, Boston, MA; (3)Ohio Musculoskeletal & Neurological Institute (OMNI), Ohio University, Athens, OH; (4)Depart of aging and Geriatric Research, University of Florida, Gainesville, FL; (5)Washington University School of Medicine, Division of Geriatrics and Nutritional Science, St. Louis, MO; (6)Nutrition, Exercise Physiology, and Sarcopenia Laboratory, Tufts University, Boston, MA; (7)Jacksonville Center for Clinical Research site, Encore Research Group, Jacksonville, FL 32216; (8) Regeneron pharmaceuticals, Inc., Tarrytown, NY

10:15am OC4 • Phase 2 Randomized Study of Myostatin Antibody LY2495655 Versus Placebo in Older Patients Undergoing Elective Total Hip Arthroplasty (eTHA)
   L Woodhouse, PhD1, University of Alberta, Canada - L Woodhouse, PhD1, R Gandhi, MD2, S Warden, PhD3, S Poiraudau, MD4, S L. Myers, MD5, CT. Benson, MDS, J Hu, PharmD5, Q Ahmad, MDS, P Limenee5, MSNS, E Gomez, M5, O Benichou, MD6 - (1) University of Alberta, Canada - (2) Toronto Western Hospital/UHIN, Ontario, Canada - (3) School of Health and Rehabilitation Sciences, Indiana University, Indianapolis, IN, USA - (4) Service de Rééducation et de Réadaptation de l’Appareil Locomoteur et des Pathologies du Rachis, Paris, France - (5) Eli Lilly and Company, Indianapolis, IN, USA - (6) Eli Lilly and Company, Neuvilly, France

10:30am OC5 • Fish oil derived n-3 polysaturated fatty acid therapy increases muscle mass and function in older adults
   G. I. Smith PhD1, S Julliard MS1, D N. Reeds MD1, D P. Sinacore, PT, PhD2, SL Klein, MD1, B Wittendorfer, PhD – 1 Center for Human Nutrition, Washington University School of Medicine, St. Louis, USA; (2) Program in Physical Therapy, Washington University School of Medicine, St. Louis, USA.

10:45am OC6 • A community-based, technology-supported service model for detecting and preventing frailty
   Lex van Velsen, PhD, Roessingh Research and Development, Telemedicine cluster, Enschede, the Netherlands Co-authors: M addalena Illario, MD, PhD, Federico II University Hospital, Naples, Italy - Stephanie Kostenik, MSC, Roessingh Research and Development, Telemedicine cluster, Enschede, the Netherlands - Catharine Coria, Federico II University Hospital, Naples, Italy - Prof. Miriam Vollenbroek, University of Twente, Biomedical Systems and Signals group, Enschede, the Netherlands

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

11:30/12:30am SYMPOSIUM 2: ESTABLISHING AN ICD-10 CODE FOR DIAGNOSING SARCOPENIC PATIENTS
   Cynthia A. Bens, Alliance for Aging Research (Washington, DC, USA)

12:30/1:00pm KEYNOTE: BIOLOGICAL ASPECTS OF AGING AND FRAILTY
   Jeremy Walston (Baltimore, USA)

1:00/2:00pm LUNCH BREAK AND POSTERS

PARALLEL SESSIONS • BALLROOM 1

2:00/2:30pm KEYNOTE: DEFINITION OF SARCOPENIA
   Stephanie Studenski (Baltimore, USA)

2:30/3:00pm SYMPOSIUM 3: HOW TO IMPLEMENT FRAILTY, FALLS PREVENTION AND SARCOPENIA INTO CLINICAL PRACTICE
   Chaired by Shalender Bhasin (Boston, USA) - Bruno Vellas (Toulouse, France)
   2:30pm • How to implement frailty into clinical practice the Gerontopole experience in 2015
   Bruno Vellas (Toulouse, France)
   2:50pm • How to implement Sarcopenia into clinical practice: what we know, what we don’t know and what we will learn from the SPRINT-T trial
   Roberto Bernabei (Rome, Italy)
   3:10pm • How to implement Falls Prevention: what we know and what we will learn from the STRIDE trial
   Shalender Bhasin, Harvard Medical School (Boston, USA)

3:30/4:00pm SYMPOSIUM 4: CURRENT DEVELOPMENTS IN THE TREATMENT OF SARCOPENIA: PHARMACOTHERAPY AND NOVEL TRIAL OUTCOMES
   Chaired by Daniel Rooks, PhD, Translational Medicine, Novartis Institutes of BioMedical Research, Cambridge, MA, USA
   3:30pm • New Treatments for Muscle Wasting: An Update on Bimagrumab and other Treatments
   Ronenn Roubenoff, MD, MHS, Translational Medicine, Novartis Institutes of BioMedical Research, Basel, Switzerland; Dimitris Papnicolaou, MD, PhD, Novartis Pharmaceuticals, East Hanover, NJ.
   3:50pm • Emerging technologies to measure physical activity and falls in sarcopenia trials
   Joerg Goldbahn, MD, Translational Medicine, Novartis Institutes of BioMedical Research, Basel, Switzerland
   4:10pm • Effect of bimagrumab (BMY338) on skeletal muscle mass and physical function in older adults with and without sarcopenia
   Daniel Rooks, PhD, Translational Medicine, Novartis Institutes of BioMedical Research, Cambridge, MA, USA
COFFEE BREAK AND POSTERS

KEYNOTE: FRAILTY INTERVENTION: WHAT WE HAVE LEARNED FROM THE LIFE TRIAL
Marco PAHOR (Gainesville, USA)

SYMPOSIUM 4: DIABETES AS A CAUSE OF ACCELERATED FRAILTY AND SARCOPENIA: MECHANISMS AND DIAGNOSIS
Chaired by John Morley (St Louis, USA) - Leocadio Rodriguez Manas (Madrid, Spain)
5:30pm • Diabetes accelerates frailty and sarcopenia
   John Morley (St Louis, USA)
5:50pm • Diabetes as a model of pre-disability: preventing further functional decline and optimising neuro-muscular and vascular function
   Alan Sinclair (Luton, UK)
6:10pm • MID-FRAIL, a different approach to the older adults with diabetes
   Leocadio Rodriguez Manas (Madrid, Spain)

ORAL COMMUNICATIONS:
6:30pm
OC7 • Mobile Accelerometry: A "Swiss Army Knife" for Aging Research
   Martin Daumer (1,2,3) and Christian Lederer (1) for the actibelt team (1) SLCMRe.V.-TheHumanMotionInstitute,Germany (2) Tium Analysis Online GmbH,Germany (3) TUM/Technical/University/Munich (Germany)
6:45pm OC8 • Frailty more than multimorbidity was predictive of mortality among sarcopenic older persons aged 80 years and older
   Matteo Tosato , MD, 1 Emanuele Marcetti, MD, PhD1, Riccardo Calvani, PhD,1 Anna Maria Martone, MD,1 Giulia Savera, BSc 1 Roberto Bernabei, MD,1 Francesco Landi, MD, PhD 1 - 1 Department of Geriatrics, Neurosciences and Orthopedics, Catholic University of the Sacred Heart, Rome (Italy)

PARALLEL SESSIONS • BALLROOM 2

SYMPOSIUM 5: REDUCING FRAILTY IN OLDER PEOPLE: A MULTIFACTORIAL INTERDISCIPLINARY INTERVENTION INTERVENTION DESCRIPTION, RESULTS OF RANDOMIZED TRIAL AND ECONOMIC ANALYSIS
Chaired by I Cameron, MBBS PhD, University of Sydney (Australia)
• The Frailty Intervention Trial intervention
   K Lockwood, BHSc, University of Sydney - I Cameron MBBS PhD, N Fairhall PhD, S Kurrele MBBS PhD, S Lord PhD, C Sherrington PhD, University of Sydney and University of New South Wales (Australia)
• Results of the Frailty Intervention Trial
   S Kurrele, MBBS PhD, University of Sydney - I Cameron MBBS PhD, N Fairhall PhD, K Lockwood BHSc, S Lord PhD, C Sherrington PhD, University of Sydney and University of New South Wales (Australia)
• Frailty Intervention Trial - Economic Analyses
   I Cameron, MBBS PhD, University of Sydney, S Kurrele MBBS PhD, N Fairhall PhD, K Lockwood BHSc, S Lord PhD, C Sherrington PhD, K Howard PhD, A Hayes PhD, University of Sydney and University of New South Wales (Australia)

ORAL COMMUNICATIONS
3:00pm
3:00pm OC9 • Defining sarcopenia in terms of incident adverse outcomes
   J Woo M.D1, J Leung M.S12, J. E. Morley M.D3 (1) Department of Medicine and Therapeutics, The Chinese University of Hong Kong, Hong Kong (2) The Jockey Club Centre for Osteoporosis Care and Control, The Chinese University of Hong Kong, Hong Kong (3) Divisions of Geriatric Medicine and Endocrinology, Saint Louis University School of Medicine, St. Louis, Missouri (USA)
3:15pm OC10 • The relationship between functional impairment and falls in community-dwelling older women
   E Freibergen Associated Prof. PhD Institute for Biomedicine of Aging, Friedrich-Alexander-Universität (FAU) Erlangen-Nürnberg/Germany, C. Sieber, Prof. MD1; C Bollheimer, Prof. MD1; S Goisser, MA1; W Kemmeler, Prof. PhD2; K Englke, Prof. PhD2; S von Stengel, PhD2, M Teschler MA2 (1) Institute for Biomedicine of Aging FAU Erlangen-Nürnberg/Germany- (2) Institute of Medical Physics, FAU Erlangen-Nürnberg (Germany)
3:30pm OC11 • Sarcoplasmic Reticulum Function and Membrane Sphingolipids in Adult and Aged Rodent Skeletal Muscle
   D W. Russ, PT, Ph.D.1,2, IM. Boyd1, K.W. McCarkle1 (1) School of Rehabilitation and Communication Sciences, Ohio University, Athens, OH (2)Ohio Musculoskeletal and Neurological Institute, Heritage College of Osteopathic Medicine, Athens, OH (USA)
3:45pm OC12 • Relation between muscle mass, motor units and type of training in master athletes
   M Drey, MD, MSc1, CC. Sieber MD, PhD2, H Degens PhD3, J McPhee PhD3, M T. Korhonen PhD4, K Müller MD5, B Garse MD5, J Rittweger MD, PhD5 - 1Klinikum der Universität München (LMU), Medizinische Klinik und Poliklinik IV, Ziemssenstrasse1, 80336 München, Germany – 2 University of Erlangen-Nürnberg, Institute for Biomedicine of Aging 90419 Nürnberg, Germany – 3-Manchester Metropolitan University, School of Healthcare Science, Chester Street, Manchester M1 5GD, United Kingdom - 4- University of Jyväskylä, Gerontology Research Center, Department of Health Sciences, P.O. Box 35(ov), 40014 Jyväskylä, Finland – 5- German Aerospace Center (DLR), Institute of Aerospace Medicine, Linder Höhe, 51147 Cologne (Germany)
4:00pm OC13 • An innovative study design to evaluate a technology-supported health service to prevent frailty
   Stephanie Jansen-Kosterink, MSc, Reoessingh Research and Development, Telemedicine cluster, Enschede, the Netherlands - Co-authors: Prof. dr. Miriam Vollenbroek, University of Twente, Biomedical Systems and Signals group, Enschede (the Netherlands)
4:15pm OC14 • Ghrelin Plus Resistance Training in Frailty: A Randomized, Placebo-Controlled Study
   Anne R. Cappola MD, ScM, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA - Co-authors and Affiliations: Margaret C. Garin, MD, MSCR; Theresa Scattareggio, MSN, RN; Domenick Salvatore, Sarah J. Ratchiffe, PhD; Kathryn Schmitz, PhD, MPH; Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA (USA)

COFFEE BREAK AND POSTERS
5:00/6:00pm  ORAL COMMUNICATIONS

5:00pm  OC15  •  Sarcopenia and age-related muscle impairment: histology and imaging in a close relationship  
E Piccirilli1MD, J Baldi1MD, M Scimeca2PhD, E Gasbarra1MD, E Bonanno2MD, U Tarantino1MD  -  (1)Department of Orthopaedics and Traumatology, University of Rome Tor Vergata, Policlinico Tor VergataFoundation, Rome (Italy)  -  (2)Anatomic Pathology Section, Department of Biomedicine and Prevention, University of Rome, Rome (Italy)

5:15pm  OC16  •  Protein Intake and Incident Mobility Limitations in Older Adults: The Health ABC Study  
Denise K. Houston, PhD1, Janet A. Tooze, PhD1, Katelyn R. Garcia, MS1, Marjolein Visser, PhD2, Frances A. Tylavsky, DrPH3, Trisha F. Hue, PhD4, Jung S. Lee, PhD5, Rachel A. Murphy, PhD6, Eleanor M. Simonsick, PhD6, Tamara B. Harris, MD6, Anne B. Newman, MD7, Stephen B. Kritchevsky, PhD1  -  (1) Wake Forest School of Medicine, Winston-Salem, NC, USA; (2) VU University, Amsterdam, The Netherlands; (3) University of Tennessee Health Science Center, Memphis, TN, USA; (4) University of California, San Francisco, CA, USA; (5) University of Georgia, Athens, GA, USA; (6) National Institute on Aging, Baltimore and Bethesda, MD, USA; (7) University of Pittsburgh, Pittsburgh, PA, USA

5:30pm  OC17  •  Effects of long-term training on muscle strength and mobility in ≥75 year old adults  
Eeva Aartolahti 1, (1) Department of Health Sciences, University of Jyväskylä, Jyväskylä, Finland  -  Co-authors & affiliations: Eija Lönnroos 2, Sirpa Hartikainen 3, Arja Häkkinen 1,5, (2) Institute of Public Health and Clinical Nutrition, Department of Geriatrics, University of Eastern Finland, Kuopio, Finland  -  (3) School of Pharmacy, University of Eastern Finland, Kuopio, Finland  -  (4) Kuopio Research Centre of Geriatric Care, University of Eastern Finland, Kuopio, Finland  -  (5) Department of Physical and Rehabilitation Medicine, Central Finland Health Care District, Jyväskylä (Finland)

5:45pm  OC18  •  Effects of sarcopenia on serum myostatin and physical functioning  
Michelle Gray, Ph.D., University of Arkansas, Human Performance Lab, Office for Studies on Aging  -  Co-authors and affiliations: Ashley Binns, M.S., University of Arkansas, Human Performance Lab, Office for Studies on Aging  -  Jordan M. Glenn, M.S., University of Arkansas, Human Performance Lab, Office for Studies on Aging  -  Jordan M. Glenn, M.S., University of Arkansas, Human Performance Lab, Office for Studies on Aging (USA)

6:00/7:00pm  SYMPOSIUM 6: FRAILTY ACROSS ALL AGES

6:00pm  •  A frailty index that fits across all ages  
MU Pérez-Zepeda, (Mexico City, México)

6:20pm  •  Failure to thrive in newborns and maternal health by the frailty index  
C García-Peña, MD, PhD2 (Mexico City, México)

6:40pm  •  Associations of socioeconomic determinants with the frailty index in different age groups  
LM Gutiérrez-Robledo (Mexico City, México)
## ORAL COMMUNICATIONS • BALLROOM 1

### 8:00am - 8:00am

**OC20 • Phase 2 Trial of Myostatin Antibody LY2495655 in Older People with Recent Falls and Low Muscle Strength**  
*Roland Y* 1, Becker C2, Lord S3, Studenski S4, Warden S5, Fielding R6, Recknor C7, Hochberg M8, Ferrari S9, Blain H10, Binder E11, Poiraudue S12, Benson , Myers S, Hu L13, Ahmad Q, Pacuch K13, Gomez E13, Benichou O14 1 Gérontopôle de Toulouse, Centre Hospitalo-Universitaire de Toulouse, and INSERM 1027, Toulouse, France - 2Robert-Bosch-Krankenhaus, Stuttgart, Germany - 3Neura, UNSW, Sydney, New South Wales, Australia - 4University of Pittsburgh, Pittsburgh, PA, USA (at time work was completed) 5School of Health and Rehabilitation Sciences, Indiana University, Indianapolis, IN, USA - 6Tufts University, Boston, MA, USA - 7United Ostearthroposes Centers, Gainesville, GA, USA 8University of Maryland School of Medicine, Baltimore, MD, USA - 9Geneva University Hospital, Geneva, Switzerland - 10Montpellier University Hospital, MacVie-LR, Euromon, M2H, Montpellier, France - 11Washington University School of Medicine, St. Louis, MO, USA - 12University of Paris Descartes; INSERM U 1153, France - 13Exil Lilly and Company, Indianapolis, IN, USA 14Eli Lilly and Company, Neuvy (France)

### 8:15am

**OC21 • Hypoenergetic diet-induced reductions in myofibrillar protein synthesis are rescued by resistance training and balanced daily protein ingestion in older men**  
*Caeliann H Murphy* 1, Tyler A Churchward-Venne1, Cameron J Mitchell1, Nathan M Kolar1, Louise M Burke2, John A Hawley3,4, Amira Kassissi5, Leonidas K Karagounis5, and Stuart M Phillips1 - 1Department of Kinesiology, McMaster University, Canada - 2Department of Sports Nutrition, Australian Institute of Sport, Canberra, Australia - 3Exercise and Nutrition Research Group, School of Exercise Science, Australian Catholic University, Fitzroy, Victoria, Australia - 4Research Institute for Sport and Exercise Sciences, Liverpool John Moores University, UK - 5Nestlé Research Center, Nestec Ltd, Lausanne (Switzerland)

### 8:30am

**OC22 • Development of a self-administered quality of life questionnaire specific to sarcopenia in elderly aged 65 years and older: the SarQol.**  

### 8:45am

**OC23 • Effects of a vitamin D and leucine-enriched whey protein oral nutrition supplement on measures of sarcopenia in older adults: The PROVIDE study: a randomized, double-blind, placebo-controlled trial**  
Jürgen M. Bauer, PhD, MD, Geriatric Centre Oldenburg, Oldenburg, Germany; Co-authors and affiliations: Jürgen M. Bauer, PhD, MD1, Sjors Verlaan, MSc2, Cornel Sieber, MD3, and Tommy Cederholm, PhD, MD4, for the PROVIDE study group - (1) Geriatric Centre Oldenburg, Oldenburg, Germany; (2) Nutrition Research, Nutricia Advanced Medical Nutrition, Utrecht, The Netherlands; (3) Friedrich-Alexander-University Erlangen-Nürnberg, Nürnberg, Germany; (4) Uppsala University, Uppsala (Sweden)

### 9:00am - 10:00am

**SYMPOSIUM 7: FRAILTY, FALLS, AND FRACTURES: COMMON PATHOPHYSIOLOGY AND THERAPEUTIC APPROACH**  
Chaired by Prof. Go Duque, MD, PhD, FRACP. (Sydney, Australia)

**9:00am**

**Frailty and musculoskeletal system: From bench to bedside**  
B R. Troen, MD, Professor and Chief, Division of Geriatrics and Palliative Medicine, University at Buffalo, Buffalo, NY (USA)

**9:20am**

**Sarco-osteoporosis: Does it really exist?**  
B Buehring, MD, Assistant Professor, Department of Medicine, University of Wisconsin - Madison, Madison, WI (USA)

**9:40am**

**How to develop an integrated approach to prevent falls and fractures in frail older persons?**  
Prof G Duque, MD, PhD, FRACP. Director Musculoskeletal Ageing Research Program, Sydney Medical School Nepean, The University of Sydney (Australia)

### 10:00am - 10:30am

**KEYNOTE: ENDS POINT FOR SARCOPENIA DRUG TRAILS**  
J Guralnik (Baltimore, USA)

### 10:30am - 11:00am

**COFFEE BREAK AND POSTERS**
8:00:00 - 8:30:00am
**ORAL COMMUNICATIONS**

**ORAL 1**

**OC28 • Derivation of a Frailty Index from the interRAI Acute Care Instrument**
Ruth E Hubbard*, Nancye M Peet,1 Mayuik Samanta2, Leonard C Gray, Brant Fries3, Arnold Mitnitski1,4 Kenneth Rockwood4 - 1Centre for Research in Geriatric Medicine, The University of Queensland, Brisbane, Queensland, Australia - 2 QIMR Berghofer Medical Research Institute, Brisbane, Queensland, Australia - 3 School of Public Health, the University of Michigan, USA - 4 Department of Medicine, Dalhousie University, Halifax, Nova Scotia (Canada)

**ORAL 2**

**OC29 • Sarcopenia coexisting with Alzheimer’s disease and amnestic mild cognitive impairment in elderly patients.**
Taiki Sugimoto, BS, Department of community Health Sciences, Kobe University, Graduate School of Health Sciences, Kobe, Japan - Co-authors & affiliations: Shunseke Murata, BS1, Rei Oka, PhD1, Kenji Toba, MD, PhD2, Takashi Sakurai, MD, PhD2 [1] Department of community Health Sciences, Kobe University, Graduate School of Health Sciences, Kobe, Japan - [2] President, National Center for Geriatrics and Gerontology, Obu, Japan - [3] Center for Comprehensive Care and Research on Memory Disorders, National Center for Geriatrics and Gerontology, Obu (Japan)

**ORAL 3**

**OC30 • Feasibility and Reliability of Psoas Muscle Area As A Novel Measure for Sarcopenia and Frailty in Patients Undergoing Transcatheter Aortic Valve Implantation**
Samuel Mamane, MD1, Nicolò Piazza MD1,2, Kristoff Nelson BSc1, Samuel Ohyon BSc1, Giuseppe Martucci MD1,2, Antonio Vigano MD3, José Moraí MD4, Mark Levental MD5, Ruedger Lange MD6, Jonathan Afflalo MD [Sc] 1,2,7 - 1. Department of Medicine, McGill University, Montreal, QC, Canada - 2. Division of Cardiology, McGill University, Montreal, QC, Canada - 3. Department of Anesthesiology, McGill University, Montreal, QC, Canada - 4. Division of Geriatric Medicine, McGill University, Montreal, QC, Canada - 5. Division of Radiology, McGill University, Montreal, QC, Canada - 6. Division of Cardiac Surgery, German Heart Center, Munich, Germany - 7. Department of Epidemiology, McGill University, Montreal, QC (Canada)

**ORAL 4**

**OC31 • Frailty transitions over 12-month period in relation to cognitive status in community-dwelling older adults with cognitive impairment attending a Tertiary Memory Clinic**
MEL Sian Chong, MBBS, FRCP(E)1,2 - Laura Tay, MBBS, MRCP(UK) 1,2, Mark Chan MBBS, MRCP(UK) 1,2, Wei Shong Lim, MBBS, MMED, MRCP(UK) 1,2, Ruijing Ye, BSN 2, Yew Yoong Ding, MBBS, FRCP(UK) 3 - 1/ Cognition and Memory Disorders service. Department of Geriatrics Medicine. Tan Tock Seng Hospital, Singapore. 2/ Institute of Geriatrics and Active Ageing. Tan Tock Seng Hospital, Singapore 3/ department of Geriatric Medicine. Tan Tock Seng Hospital, (Singapore)

9:00:00 - 9:30:00am
**SYMPOSIUM 8: FRAILTY IN HIV AND AGING**

Chaired by Deborah Gustafson, SUNY-Downtstate Medical Center, Brooklyn New York USA and Monty Montano, Harvard University, Boston, Massachusetts USA and and Monty Montano, Harvard University, Boston, Massachusetts USA Kenneth Rockwood, Halifax Nova Scotia, Joseph Margolick, Johns Hopkins, Amy Justice, Yale, Deborah Gustafson, Monty Montano, Paola Sebastiani, Boston University Kim Erdlandson, University of Colorado, KrisAnn Oursler, Veterans Administration (USA)

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

**ORAL 5**

**OC32 • The Changes of Lower Muscular Mass, Weakness and Physical Performance in Robust and Pre-frail outpatient Older Adults**
Tsai-Chun Chen, MS1, Ching-Yu Chen, PhD2, Chih-Cheng Hsu, PhD2, Ming-Hsia Hu, PhD1,4 - (1) School and Graduate Institute of Physical Therapy, National Taiwan University College of Medicine, Taipei, Taiwan - (2) Department of Family Medicine, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan - (3) Division of Geriatrics and Gerontology, Institute of Population Health Sciences, National Health Research Institutes, Taiwan (4) Department of Physical Medicine and Rehabilitation, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

10:15:00 - 11:00:00am
**COFFEE BREAK AND POSTERS**

11:00:00 - 11:30:00am
**ORAL COMMUNICATIONS**

**ORAL 6**

**OC34 • Muscle mRNA expression signatures in wasted and non-wasted COPD patients at rest and 24 hr after resistance exercise**
Despina Constanti, PhD1, Manoj Menon, MD, PhD2, Michael C Steiner, MD, PhD2, and Paul L Greenhaff, PhD*- (1) MRC/ARUK Centre for Musculoskeletal ageing Research, School of Life Sciences, University of Nottingham, Queen’s Medical Centre, Nottingham, UK - (2) Department of Respiratory Medicine, Glenfield Hospital, Leicester (UK)

11:15:00 - 12:00:00am
**ORAL COMMUNICATIONS**

**ORAL 7**

**OC35 • Trunk Muscle Composition 2 Months After Hip Fracture: The Baltimore Hip Studies**
Gregory E. Hicks, PT, PhD1, Michelle Sharde1, PhD1, Ram R Miller, MD3, Denise Orwig, PhD2, Marc Hochberg, MD4, Jay Magaziner, PhD4 - (1) Department of Physical Therapy, University of Delaware, Newark, DE, USA - (2) Longitudinal Studies Section, National Institute on Aging, NIH, Baltimore, MD, USA - (3) Glaxo Smith Kline, Research Triangle Park, NC, USA - (4) Department of Epidemiology and Public Health, University of Maryland School of Medicine, Baltimore, MD (USA)
11:30am **OC36 • Prevalence of Low Lean Mass in the USA using the FNHI Sarcopenia Project Cutpoints: Effect of Age**

*John A. Batsis*, MD1,2,3, Todd A. Mackenzie, PhD1,2,3, Francisco Lopez-Jimenez, MD, MS6, Stephen J. Bartels, MD, MS1,2,3,5, · 1 Geisel School of Medicine at Dartmouth, Hanover, New Hampshire, United States · 2Department of Medicine, Dartmouth Hitchcock Medical Center, Lebanon, New Hampshire, United States · 3The Dartmouth Institute for Health Policy, Lebanon, New Hampshire, United States · 5Department of Community & Family Medicine, Psychiatry, Dartmouth College, Hanover, New Hampshire, United States · 6Division of Cardiovascular Disease, Mayo Clinic, Rochester, Minnesota, USA

11:45am **OC37 • Frailty Phenotype is Associated with Declines in Muscle Mass, Performance, Quality and Integrity, with Support of Compensatory Hypertrophy**

*George A Kuchel*, MD1 (1) University of Connecticut Health Center, Farmington, CT · Co-authors and affiliations: Maren S Fragala, Ph.D1,2, Xin Zhou1, Qian Wu1, MD,1, Greg Polkowski, MD1, Tessa Balach, MD1, Anne M Kenny, MD1, Rong Wu1, James Grady, DrPH (1) University of Connecticut Health Center, Farmington, CT (2) University of Central Florida, Orlando, FL (USA)

12:00am **OC38 • Novel Serum Biomarkers that Predict Sarcopenia in Older Malnourished Men**

*Suzette L Pereira*, PhD1, Susan L Gavel, PhD2, Menghua Luo, MD, PhD1, Phil Hemken, PhD2, Vikkie Mustad, Ph.D1, Neile K Edens, PhD1, Gerard J Davis, PhD2 (Abbott Diagnostics, Chicago, IL (USA)

12:15am **OC39 • Influence of gender and high-fat feeding on the development of sarcopenia in the aging rat**

*Robert Kob*, Ph.D1, Claudia Feller, PhD2, Thomas Bertsch, MD3, Astrid Wittmann1, Cornel C. Sieber MD1,4, Barbara E. Fischer Ph.D1, Christian Stroszczynski MD2, L Cornelius Bollheimer MD1,4 - (1) Institute for Biomedicine of Aging, Friedrich-Alexander-Universität Erlangen-Nürnberg, Nürnberg, Germany · (2) Institute of Radiology, University Hospital Regensburg, Germany · (3) Institute of Clinical Chemistry, Laboratory Medicine and Transfusion Medicine, Paracelsus Medical University, Nuremberg, Germany · (4) Department of General Internal Medicine and Geriatrics, St. John of God Hospital, Regensburg (Germany)

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

1:30/2:30pm **SYMPOSIUM 9: PHYSICAL FRAILTY AND SARCOPENIA: BACKGROUND, RATIONALE, AND DESIGN OF THE SPRINT T PROJECT**

Chaired by R Bernabei, MD, PhD · Department of Geriatrics, Orthopedics, and Neurosciences of the Università Cattolica del Sacro Cuore: Rome (Italy)

1:30pm **Older people’s unmet needs are changing medicine**

R Bernabei, MD, PhD · Department of Geriatrics, Orthopedics, and Neurosciences of the Università Cattolica del Sacro Cuore: Rome (Italy)

1:45pm **The physical frailty and sarcopenia condition**

M Cesarì, MD, PhD · Centre Hospitalier Universitaire de Toulouse; Toulouse, France

2:00pm **The SPRINT trial: rationale and methodology**

F Landi, MD, PhD · Department of Geriatrics, Orthopedics, and Neurosciences of the Università Cattolica del Sacro Cuore: Rome (Italy)

2:15pm **Biomarkers of frailty and sarcopenia**

E Marzetti, MD, PhD · Department of Geriatrics, Orthopedics, and Neurosciences of the Università Cattolica del Sacro Cuore: Rome (Italy)

2:30/3:30pm **ORAL COMMUNICATIONS**

2:30pm **OC40 • Genome-wide association analysis of frailty measures in two representative cohorts in the US and the UK**

*Krisztina Mekli*, Ph.D1, James Nazroo Ph.D1, Alan Marshall Ph.D1, Jinkook Lee Ph.D2, Drystan Phillips Ph.D2, Carol Prescott Ph.D3, Neil Pendleton Ph.D4 · Frailty Resilience and Inequalities in Later Life project, CMST, University of Manchester, United Kingdom · 2University of Southern California, Davis School of Gerontology, Los Angeles, United States · 3University of Southern California, Dana and David Dornsife College of Letters, Arts and Science, Los Angeles, United States · 4Clinical & Cognitive Neurosciences, Institute of Brain, Behaviour and Mental Health, Salford Royal NHS Foundation Trust (UK)

2:45pm **OC41 • Muscle protein fractional synthesis rates predicts muscle mass gain in response to a oral selective androgen receptor modulator**

*Mahalakshmi Shankaran1*, Chelsea King1, Po-yin Anne Wong1, Scott Turner1, Marc Hellerstein1, Todd W. Shearer2, Stephen A. Simpson2, Ying X. Qian2, Richard V. Clark2, Philip S. Turnbull2, Ram Miller2, David C. Cooper2, Alan Russe112, and William J. Evans2 · 1KineMed, Inc., Emeryville, CA 94608, USA, 2Abbott Diagnostics, Chicago, IL (USA)

3:00pm **OC42 • Low intensity resistance training, but not citrulline supplementation, attenuates declines in skeletal muscle mass, strength and 'anabolic resistance' induced by two-weeks of inactivity in older men**

*Mark T von Allmen*, BSc1 · (1) Department of Kinesiology, McMaster University, Hamilton, Canada · Co-Authors & Affiliations: Michaela C Devries Ph.D1, Leigh Breen Ph.D1,2 and Stuart M Phillips Ph.D1 (1) Department of Kinesiology, McMaster University, Hamilton, Canada · (2) School of Sport, Exercise and Rehabilitation Sciences, University of Birmingham, Birmingham (UK)

3:15pm **OC43 • Increases in circulating IL-15 and cell-free DNA concentrations after treadmill running: Potential systemic mediators for the beneficial effects of endurance exercise.**

*Yoshiaki Taira*, MD, Ph.D1, 2, Richard Kaszynski, MD, PhD1, Kuniko Watanabe 3, Tomomi Kanani 4, Junichi Hayashi, MD, PhD5, Hideki Ito, MD, Ph.D 2, Masao Kaneki, MD, Ph.D1, Nobuhiko Ishida, MD, Ph.D3 · (1) Department of Anesthesiology, Critical Care and Pain Medicine, Massachusetts General Hospital, Shriners Hospitals for Children, Harvard Medical School, Charlestown, MA, USA · (1) Tokyo Metropolitan Institute of Gerontology, Tokyo, Japan · (3) Wafukuai Medical Corporation Tama Rehabilitation Academy, Ome 198-0044, Japan · (4) Wafukuai Tama Rehabilitation Hospital, Ome 198-0054, Japan · (5) Department of General Medicine, Kyorin University School of School of Medicine, Mitaka 181-8611 (Japan)

3:30/4:00pm **COFFEE BREAK AND POSTERS**
ICFSR 2015  
International Conference on Frailty & Sarcopenia Research

Program • Friday 24th April 2015

PARALLEL SESSIONS • BALLROOM 1

4:00/5:00pm  SYMPOSIUM 10: INTERSECTION AND DISTINCTION BETWEEN PHYSICAL FRAILTY AND COGNITIVE IMPAIRMENTS AMONG OLDER ADULTS  
Chaired by Qian-Li Xue, PhD, Division of Geriatric Medicine and Gerontology, Department of Medicine/ Center on Aging and Health, Johns Hopkins University, Baltimore, Maryland (USA)

4:00pm U.S. national profile on the intersection between physical frailty and cognitive impairments among older adults residing in the community or residential care settings  
Qian-Li Xue, PhD, Division of Geriatric Medicine and Gerontology, Department of Medicine/ Center on Aging and Health, Johns Hopkins University, Baltimore, Maryland, USA - Co-Authors & Affiliations: Karen Bandeen-Roche, PhD,1,2, Michelle C. Carlson, PhD,1,2, Ravi Varadhan, PhD,3, Brian Buta, MS2,4, Jin Huang, MS2,4, Judith D. Kasper, PhD,1 (1) Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, USA (2) Center on Aging and Health, Johns Hopkins Medical Institutions, Baltimore, MD, USA - (3) Division of Biostatistics and Bioinformatics, Department of Oncology, Johns Hopkins University (4) Division of Geriatric Medicine and Gerontology, Department of Medicine, Johns Hopkins University, Baltimore, MD, USA

4:20pm  Frailty and cognition: one syndrome?  
Karen Bandeen-Roche, PhD, Johns Hopkins Bloomberg School of Public Health Center on Aging and Health, Baltimore, Maryland, USA - Co-Authors & Affiliations: Alden Gross, PhD MH52, Michelle Carlson, PhD2, Linda P. Fried, MD, MPH3, Judith D. Kasper, PhD2, Qian-Li Xue, PhD2 - (2) Johns Hopkins Bloomberg School of Public Health / Center on Aging and Health, Baltimore, Maryland, USA; (3) Mailman School of Public Health, Columbia University, New York, New York (USA)

4:40pm  Domain-specific cognitive performance and development of physical frailty: Longitudinal evidence from the Women’s Health and Aging Study II  
Alden L. Gross, PhD MH5, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, USA and Center on Aging and Health, Johns Hopkins Medical Institutions, Baltimore, MD, USA - Co-Authors & Affiliations: Qian-Li Xue, PhD2, (1) Division of Geriatric Medicine and Gerontology, Department of Medicine, Johns Hopkins University, Baltimore, MD, USA - (2) Center on Aging and Health, Johns Hopkins Medical Institutions, Baltimore, MD, USA - (3) Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, USA - (4) Division of Biostatistics and Bioinformatics, Dept. of Oncology, Johns Hopkins University, Baltimore, MD, USA - (5) Mailman School of Public Health, Columbia University, New York, NY (USA)

5:00/6:40pm  SYMPOSIUM 11: MOLECULAR MECHANISMS OF SARCOPENIA  
Chaired by P.Valet, Inserm U1048 (Toulouse, France), M.Cesari, Gérontopôle (Toulouse, France)

5:00pm  Novel mechanisms regulating age-associated muscle atrophy  
S Lessard, Joslin Institute, Harvard Medical School (Boston, USA)

5:20pm  Apelin reverses age-induced skeletal muscle dysfunction  
C Dray, Toulouse University (Toulouse, France)

5:40pm  Muscle signaling mediating sarcopenia  
D Glass., Harvard Medical School (Boston, USA)

6:00pm  A Drosophila model for sarcopenia and myokine signaling  
F Demontis, St Jude Faculty (Memphis, USA)

6:20pm  MicroRNA in Skeletal Muscle: Potential Role in Sarcopenia  
DA. Rivas, Tufts University (Boston, USA)

PARALLEL SESSIONS • BALLROOM 2

1:30/2:30pm  ORAL COMMUNICATIONS

1:30pm  OC44 • The Relationship between Inflammatory Exposure over Ten Years and Slow Gait is Influenced by White Matter characteristics: the Health ABC Study  
Neestheth K. Madhuram, MD, PhD, RCPCT1, Stephanie A. Stodolski, MD, MPH7, Oscar Lopez, MD3, Robert Boudreau, PhD2, Ge Liu, PhD2, Howard Alzaimer, D, PhD4, Stephen Kitchensky, PhD5, Kristine Yaffe, MD6, Anne B. Newman, MD MPH2, Caterina Roscan, MD, MPH2, for the Health ABC Study. (1) Division of Geriatric Medicine and Gerontology - Dept of Medicine, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, USA (2) Dept of Epidemiology - Graduate School of Public Health, University of Pittsburgh, (3) Dept of Neurology, University of Pittsburgh School of Medicine, and Alzheimer’s Disease Research Center, Pittsburgh (4) Dept of Psychiatry, University of Pittsburgh School of Medicine, Pittsburgh; (5) Sticht Center on Aging, Wake Forest School of Medicine, Winston-Salem, North Carolina, USA (6) Department of Psychiatry, University of California at San Francisco, San Francisco, California, USA

1:45pm  OC45 • Circulating Myostatin Levels in Women and Men using a Novel Multiplexed Mass Spectrometry-based Assay  
H. Robert Bergen III, PhD,1,10 Joshua N. Farh, PhD2,3,1, Patrick M. Vanderboom, MS1, Thomas A. White3, PhD, Elizabeth J. Atkinson, MS, Sundeep Khosla, MD2,3, and Nathan K. LeBrasseur, PT, PhD3,5 - 1Proteomics Core; 2Division of Endocrinology, Department of Medicine; 3Robert and Arlene Kogod Center on Aging; 4Division of Biomedical Statistics and Informatics, Department of Health Research Sciences; 5Department of Physical Medicine and Rehabilitation; Mayo Clinic College of Medicine, Rochester, MN, 55905 (USA)

2:00pm  OC46 • Early detection of changes in muscle mass in young and older adults by ultrasound imaging  
Marco V. Narici, PhD1, Martino V. Franchi, PhD1 - (1) MRC ARUK Centre for Musculoskeletal Ageing Research, Faculty of Medicine, Derby, United Kingdom - Co-Authors & affiliations: Martino Franchi, PhD, MRC ARUK Centre for Musculoskeletal Ageing Research, Faculty of Medicine, Derby (UK)

2:15pm  OC47 • Utility of the mid-thigh cross-sectional muscle area on CT in diagnosing sarcopenia - Analyses of the association with skeletal muscle volume measured by DXA  
Yasumoto Matsui, MD, PhD1, Koji Tsukasaki, MD1, Marie Takemura, MD, PhD1, Atsushi Harada, MD, PhD1, Manko Nakamota PhD2, Rei Otuka PhD2, Fujiko Ando MD, PhD3, Hiroshi Shimokata, MD, PhD4 (1) Department of Orthopedic Surgery, National Center for Geriatrics and Gerontology, Obu, Japan (2) Section of NIRS-LSA, Center for Gerontology and Social Science, National Center for Geriatrics and Gerontology, Obu, Japan (3) Faculty of Health and Medical Science, Aichi Shukutoku University, Nagakute, Japan (4) Graduate School of Nutritional Sciences, Nagoya University of Arts and Sciences, Nishin (Japan)
PARALLEL SESSIONS • BALLROOM 2

2:30/3:30pm SYMPOSIUM 12: LOSS OF MUSCLE QUALITY IN OLD AGE: MECHANISMS AND FUNCTIONAL CONSEQUENCES
Chaired by Marco Narici, PhD1 and Jane A. Kent, PhD2, (1) MRC ARUK Centre for Musculoskeletal Ageing Research, Faculty of Medicine, Derby, United Kingdom (2) Muscle Physiology Lab, Department of Kinesiology, Totman, University of Massachusetts (USA)

2:30pm Muscle connective tissue changes with aging
Michael Kjaer, PhD1, (1) Institute of Sports Medicine, Bispebjerg Hospital, and Centre of Healthy Aging, Faculty of Health and Medical Sciences, Copenhagen University (Denmark)

2:50pm Neuromuscular basis of the aging-related loss of muscle quality
Brian C. Clark, PhD1, (1) Ohio Musculoskeletal & Neurological Institute (OMNI), Departments of Biomedical Sciences and Geriatric Medicine, Ohio University, Athens, Ohio (USA)

3:10pm Role of mitochondrial dysfunction in the loss of muscle quality in old age
Russell Hepple, PhD1, (1) Research Centre for Physical Activity & Health, McGill University, Montreal, QB (Canada)

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

4:00/5:00pm SYMPOSIUM 13: SARCOPENIA IN CHRONIC DISEASES - COMMON PATHWAYS VS. DISEASE SPECIFIC FEATURES
Chaired by Wolfram Doehner, Charite, University Berlin, Germany; Alan Sinclair, University Bedfordshire, Luton, UK

4:00pm The skeletal muscle in heart failure – more relevant than the myocardial muscle?
Alexandre Mebazaa Hôpital Lariboisière, AP-HP Paris (France) - alternatively: John Morley University of St Louis (USA)

4:20pm Muscle wasting and outcome after stroke – evidence for stroke specific sarcopenia?
W. Doehner, University Berlin (Germany)

4:40pm Muscle wasting in COPD – impact on symptoms and outcome
Anemie Schols/MAastricht University (The Netherlands) - alternatively: Mitja Lainscak University Clinic Golnik (Slovenia)

5:00/5:30pm ORAL COMMUNICATIONS

5:00pm OC48 • A Novel 3D QCT Technique to Quantify the Spatial Muscle-Lipid Distribution in the Thigh and its Association with Muscle Function
Alexander Mühlberg; Oleg Museyko; Andreas Friedberger; Wolfgang Kemmler; Simon Von Stengel; Klaus Engelke - Institute of Medical Physics, Friedrich Alexander-University Erlangen-Nuremberg (Germany)

5:15pm OC49 • Do muscle strength and force development differ as a function of age?
Charlotte H. Pion, PhD1,2,3 - (1) Département de Biologie, Faculté des Sciences, Université du Québec à Montréal, Canada - (2) Groupe de recherche en Activités Physiques Adaptées, Faculté des Sciences, Université du Québec à Montréal, Canada - (3) Centre de Recherche de l’Institut Universitaire de Gériatricie de Montréal, Canada. - Co-authors & affiliations : Lucas Goulet, BSc1,2,3,4, Demers Eric, BSc1,2,3,4, Sébastien Barbat-Arigas PhD1,2,3, Olivier Reynaud, MSc1,2,3,4, Stéphanie Chevalier, PhD5, Pierreette Gaudreau, PhD6, Gilles Gouspillou, PhD2,3,4, José A, Morais, MD, PhDs, Mylène Aubertin-Leheudre, PhD2,3,4, Marc Bélanger, PhD2,3 - (4) Département de Kinanthropologie, Faculté des Sciences, Université du Québec à Montréal, Canada - (5) McGill University, Division of Geriatric Medicine, Montreal, Canada - (6) Département de médecine, Université de Montréal (Canada)

5:30/6:30pm LATE BREAKING NEWS (4)
11:00/12:00am

**ORAL COMMUNICATIONS**

**8:00am**

**OC50** • Importance of the frailty syndrome for the aged cancer patient treatment

*J. Leibovici, Izhaki O., Huszar M., Afshtor R., Michowitz M. and Sinai J. Dept. of Pathology, Sackler Faculty of Medicine, Tel-Aviv University (Israel)*

**8:15am**

**OC51** • How Do Muscle Quality and Frailty Mediate and Moderate Pathways Leading to Fragility Fractures

*Andy Kin On Wong 1, PhD, University Health Network, OsteoporosisProgram, Toronto, ON (Canada) - Co-authors and affiliations: Courtney Kennedy (2), George Ioannidis (3), Karen A. Beattie (3), Christopher Gordon (4), Laura Pickard (3), Alexandra Papaioannou (2), David Goltzman (5), Jenilynn Prior (6), Heather Macdonald (7), Maureen Ashe (8), Leigh Gabel (9), Damene Liu (10), Seljaa Kontulainen (11), Andrew Frank (11), Wojciech Gloszynski (12), K. Shawn Davison (13), Lora Giangregorio (14), Robert Josse (15), Eva Szabo (1), Marta Erlandson (11), Tassos Anastassiades (16), Norma Macintyre (17), Jonathan D. Adachi (3), Angela M Cheung (1) for the CaMOS Muscle Quality Study - (1) OsteoporosisProgram, UniversityHealthNetwork, Toronto,ON (2) Department ofMedicine, HamiltonHealthSciences,HamiltonON (3)DepartmentofMedicine,McMasterUniversity,Hamilton,ON (4) DepartmentofNuclearMedicine,McMasterUniversity,Hamilton,ON (5) Departments of Medicine & Physiology, McGillUniversity, Montreal,QC (6) CentreforMenstrualCycleandOvulationResearch, Vancouver,BC (7) Department of Orthopaedics, UniversityofBritishColumbia, Vancouver,BC (8) DepartmentofFamilyPractice, UniversityofBritishColumbia, Vancouver,BC (9) Department of ExperimentalMedicine, UniversityofBritishColumbia, Vancouver, BC (10) Centre for Hip Health and Mobility, Vancouver, BC (11) College ofKinesiology, niversity of Saskatchewan, Saskatoon, SK (12) Department of Medicine, University of Saskatchewan, Saskatoon, SK (13) Graduate Studies Research, University of Victoria, Victoria, BC (14) Department of Kinesiology, University of Waterloo, Waterloo, ON (15) Department of Medicine, St. Michael's Hospital, Toronto, ON (16) Department of Medicine, Queen's University, Kingston, ON (17) Department of Rehabilitation Sciences, McMasterUniversity, Hamilton, ON (Canada)*

**8:30am**

**OC52** • Sarcopenia predicts incident disability, institutionalisation and mortality in community dwelling older Men: The Concord Health and Ageing in Men Project

*V Mirani, PhD1,2, V Naganathan, PhD1, F Blyth1, F LeCouteur, PhD1, 2, Specialist Registrar, Department of Medicine for Older People, Royal Bournemouth Hospital, Castle Lane East, Bournemouth, Dorset, BH7 7DW, UK - R Luben1, S Hayat1, N Daezelli1, A Aihie Sayer3, N J Wareham4 and Kay-Tee Khaw1 - 1. The European Prospective Investigation of Cancer-Norfolk Study, Department of Public Health and Primary Care, University of Cambridge, Cambridge, Cambridge, UK. 2. Specialist Registrar, Department of Medicine for Older People, Royal Bournemouth Hospital, Castle Lane East, Bournemouth, Dorset, BH7 7DW, UK. 3. Academic Geriatric Medicine, MRC Lifecourse Epidemiology Unit, Faculty of Medicine, University of Southampton, Southampton, UK. 4. MRC Epidemiology Unit, Institute of Metabolic Science, University of Cambridge School of Clinical Medicine, Cambridge (UK)*

9:00/10:00am

**SYMPOSIUM 14: MUSCLE DISUSE AS A PIVOTAL PROBLEM IN SARCOPENIA-RELATED MUSCLE LOSS AND DYSFUNCTION**

Chaired by S M. Phillips, Ph.D. McMaster University, Hamilton, ON (Canada)

**9:00am**

Disuse and the concept of ‘anabolic resistance’ in protein metabolism

*L van Loon, Ph.D. University of Maastricht, Maastricht (the Netherlands)*

**9:20am**

Catabolic crises in the elderly: the impact of disuse

*D Paddon-Jones, Ph.D. University of Texas Medical Branch, Galveston, TX (USA)*

**9:40am**

Reduced physical activity as part of the disuse continuum

*M Devries, Ph.D. McMaster University, Hamilton, ON, (Canada)*

10:00/10:30am

**KEYNOTE: FRAILTY AND SARCOPENIA, TWO SIDES OF THE SAME COIN**

M CESARI (Toulouse, France)

10:30/11:00am

**COFFEE BREAK AND POSTERS**

11:00/12:00am

**SYMPOSIUM 15: FRAILTY AND FALLS EVIDENCE AND GAPS**

Chaired by C. Sieber Prof. Dr. & E Freiberger Associated Prof. PhD Institute for Biomedicine of Aging, Friedrich-Alexander (FAU) -Universität Erlangen-Nürnberg (Germany)

**11:00am**

Frailty and Falls in TILDA: Do frailty indices differ when they are constructed using exclusively self-reported or test based measures?

*Theou O1, O’Connell MD2, King-Kallimani BL2, O’Halloran AM2, Rockwood K3, Kenny RA4 - (1)Theou O (presentingauthor), Post-doctoral Fellow, Dalhousie University, Rm 1313 Veterans’ Memorial Building, 5955 Veterans’ Memorial Lane, Halifax, Nova Scotia, B3H2E1, Canada - (2) O’Connell MD, King-Kallimani BL, O’Halloran AM, Kenny RA The Irish Longitudinal Study on Ageing, Department of Medical Gerontology, Trinity College, Dublin 2, Ireland - (3) Rockwood K, Professor of Medicine (Geriatric Medicine & Neurology) and Kathryn Allen Weldon Professor of Alzheimer Research, Dalhousie University, Rm 1421 Veterans’ Memorial Building, 5955 Veterans’ Memorial Lane, Halifax, Nova Scotia, B3H2E1, Canada - (4) Kenny RA, Mercer’s Institute for Successful Ageing, St. James’s Hospital, Dublin 8 (Ireland)*

**11:20am**

Frailty and falls in the oldest old: LiLACS NZ

*N Kersel University of Auckland. - R Mules2, R Teh2, A Rolleston3. (1) University of Auckland 261 MORRIN RD Auckland 1072 New Zealand (2) Department of General Practice and Primary Health Care, University of Auckland (3) Te Kupenga Haoura Māori, University of Auckland (New Zealand)*

**11:40am**

Frailty and Falls in DEGS1. Findings from the German Health Interview and Examination Survey

*J Fuchs, PhD1, C Scheidt-Nave, PhD1, E Freiberger, PhD2 - (1) Robert Koch –Institute, Department of Epidemiology and Health Monitoring, Berlin (2) FAU Erlangen-Nürnberg, Institute for Biomedicine of Aging, Nuremberg (Germany)*

12:00/1:00pm

**LATE BREAKING NEWS (4)**
8:00/8:30am  LATE BREAKING NEWS (2)

8:30/10:30am  ORAL COMMUNICATIONS

8:30am  OC54 • Frailty markers were associated with entry into and less recovery from disability profiles in healthy community-dwelling older adults. The NuAge study
Nicole Dubuc, PhD1,2, Michel Raiche, PhD1, Pierreotte Gaudreau, PhD 3-4, Bryna Shatenstein, PhD 5-6, José A. Morais, MD 7, Hélène Payette, PhD 1-2
Presenting author & affiliation: Michel Raiche, PhD, Research Centre on Ageing, CSSS-IUH of Sherbrooke, Canada (1) Research Centre on Ageing, CSSS-IUH of Sherbrooke, Québec, Canada (2) Faculty of Medicine and Health Sciences, Université de Sherbrooke, Québec, Canada; (3) Faculty of medicine, University of Montreal, Montréal, Québec, Canada; (4) CHUM Research Center, Montréal, Québec, Canada; (5) Département de nutrition, Université de Montréal, Québec; Canada; (6) Centre de recherche, Institut universitaire de gériatrie de Montréal, Canada (7) Division of Geriatric Medicine, McGill University, Montréal, uèbec (Canada)

8:45am  OC55 • Serum levels of C-terminal agrin fragment (CAF) are associated with sarcopenia in older People: Results from the iSIRENTE Study.
Anna Maria Martone, MD,1 Riccardo Calvani, PhD,1 Emanuele Marzetti, MD, PhD1, Matteo Tosato, MD,1 Maria Lorenzi, PhD,1 Roberto Bernabei, MD,1 Francesco Landi, MD, PhD 1 1 Department of Geriatrics, Neurosciences and Orthopedics, Catholic University of the Sacred Heart, Rome (Italy)

9:00am  OC56 • Frail older people in nursing homes : Quality of life and care modalities
Enid Wai-yung, RN, RM, PhD, Center for Gerontology Nursing, School of Nursing, the Hong Kong Polytechnic University (Hong Kong)

9:15am  OC57 • Frailty and Aging: an actual challenge
Robert Carlos Castrojón-Pérez, PhD1 (1) Geriatric Epidemiologic and Clinical Research Department at Instituto Nacional de Geriatria, Mexico City, (Mexico)

9:30am  OC58 • The exercise-induced myokine apelin reverses age-related skeletal muscle weakness
Vinel C1,2, Deleruyelle S1, Legonidec S1, Batut A1, Guyonnet S2, PhD, Pahor M3, MD, PhD, Vellas B2, MD, PhD, Valet P1, PhD, and Dray C1, PhD.

9:45am  OC59 • Circulating Branched Chain Amino Acids are Associated with Body Composition, Physical Function and, Inflammation in Older Adults
Michael S. Lustgarten - Co-authors: Roger A. Fielding1 - Affiliations: 1Nutrition, Exercise Physiology, and Sarcopenia Laboratory, Jean Mayer USDA Human Nutrition Research Center, Tufts University, Boston, MA (USA)

10:00am  OC60 • Ruits and vegetables intake and physical activity as predictors of disability risk factors in african american health study
Sandra ML Ribeiro, PhD1, John E Morley, MB BCH2, Theodore K Malmstrom, PhD2,3, Douglas K Miller, MD4 - Presenting author affiliation: 1-University of São Paulo, School of Arts, Science and Humanities-Brazil - Co-authors affiliation: 2-5 Louis University, School of Medicine, Geriatrics Division; 3-St Louis University, School of Medicine, Neurology & Psychiatry Department; 4- Regenstrief Institute, Inc. — IU Center for Aging Research (USA)

10:15am  OC61 • Antihypertensive use and functional outcomes among older adults in the LIFE Study
Thomas W. Buford 1 Michael E. Millett2 Timothy S. Church,3 Thomas M. Gill,4 Rebecca Henderson,2 Fang-Chi Hsu,2 Mary M. McDermott,5 Neelesh Nadkarni,6 Marco Pahor,1 Randall S. Stafford,7 Christy S. Carter,1 for the LIFE Study G roup - 1University of Florida College of Medicine, Gainesville, FL - 2 Wake Forest University, Winston Salem, NC - 3 Pennington Biomedical Research Center, Baton Rouge, LA - 4 Yale University School of Medicine, New Haven, CT - 5 Northwestern University, Feinberg School of Medicine, Chicago, IL - 6 University of Pittsburgh School of Medicine, Pittsburgh, PA - 7 Stanford University School of Medicine, Palo Alto, CA (USA)

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

11:00/12:00am  ORAL COMMUNICATIONS

11:00am  OC62 • A Frailty-Related Phenotype in HIV+ Men is Associated with Increased Inflammation and Hormonal Dysregulation
Kristine M. Erlanson, MD1, Sandra Reynolds, MS2, Lisa P. Jacobson, ScD2, Joseph Margolick, MD, PhD, Adrian S Dods, MD, MHS2, Frank Palella, MD3, Jordan E. Lake, MD, MS4, Lawrence Kingsley, PhD5, Todd T. Brown, MD, PhD2 - Affiliations: (1)University of Colorado-Anschutz Medical Center; Aurora, CO - (2) Johns Hopkins University; Baltimore, MD (3) Northwestern University Medical Center; Chicago, IL (4)UCLA Medical Center; Los Angeles, CA (USA)

11:15am  OC63 • Association of Physical Impairments with FNIH Sarcopenia definitions of Clinical Weakness: Data from the Health & Retirement Survey
John A. Batsis #, MD,1 Cassandra M. Germain, PhD, *Elizabeth Vásquez, DrPH, #Stephen J. Bartels, MD, MS #Duke University Medical Center, Bryan Alzheimer’s Disease Research Center, Durham, NC *Department of Epidemiology and Biostatistics, School of Public Health, University at Albany (SUNY), Albany, NY #Department of Medicine, Geisel School of Medicine at Dartmouth, Dartmouth-Hitchcock Medical Center, Center for Health and Aging, Dartmouth College, Hanover, NH(USA)

11:30am  OC64 • The impact of different measures of frailty on rates of health service use among the community dwelling elderly.
Aisling M. O‘Halloran PhD1, Lorna Roa BA2, Rose Anne Kenny MD1, Charles Normand PhD2. - (1) The Irish Longitudinal Study of Ageing (TILDA), Centre for Medical Gerontology, Trinity College; Dublin, Ireland.(2) Centre for Health Policy and Management, Trinity College, Dublin (Ireland)
11:45am OC65 • The relation of muscle strength and gait speed with muscle cross-sectional area determined by mid thigh computed tomography - comparison and skeletal muscle mass measured by dual-energy X-ray absorptiometry

Koji Tsukasaki, M.D. Hospital, National Center for Geriatrics and Gerontology, Aichi, Japan - Yasumoto Matsui, M.D., Ph.D.1, Marie Takemura, M.D., Ph.D.1, Atsushi Harada, M.D., Ph.D.1, Manako Nakamoto, Ph.D.2, Rei Otsuka, Ph.D.2, Fujiko Ando, M.D., Ph.D.2,3, Hiroshi Shimokata, M.D., Ph.D.2,4 (1) Hospital, National Center for Geriatrics and Gerontology, Aichi, Japan (2) Section of NILS-LSA, National Center for Geriatrics and Gerontology, Aichi, Japan (3) Faculty of Health and Medical Sciences, Aichi Shukutoku University, Aichi, Japan (4) Graduate School of Nutritional Sciences, Nagoya University of Arts and Sciences, Aichi (Japan)

12:00/1:00pm SYMPOSIUM 16: PHYSICAL PERFORMANCE TESTS AND BODY COMPOSITION ASSOCIATIONS: FROM POPULATION TO CLINICAL SETTINGS

Chair by Ricardo Salinas-Martinez, MD (1) Head of the Department of Geriatrics, “Dr. José Eleuterio González” University Hospital; Universitary Gerontological Committee, Autonomous University of Nuevo León, Monterrey, Nuevo León (Mexico)

12:00am Correlation between muscle mass by bioelectrical impedance analysis, calf circumference and grip strength.

Karina Rodriguez-Quintanilla1, Ricardo Salinas-Martinez1-2, Xochitl Ortiz-Jimenez2, Carlos Quiñonez-Olivas1, “Luis Miranda-Plata1 (1) Department of Geriatrics, "Dr. José Eleuterio González” University Hospital, (2) University Gerontological Committee, Autonomous University of Nuevo León (Mexico)

12:20am Skeletal Muscle Mass Index In A Geriatric Outpatient Population

Karina Rodriguez Quintanilla MD1, Ricardo Salinas Martinez MD1,4, Guillermo Guajardo Alvarez MD1, Javier A. Davila Olalde MD1, David Vega Morales MD2, Pedro A. Garcia Hernandez MD3, Mario A. Garza Elizondo MD2. - (1) Geriatrics Department - (2) Reumatology Department (3) Endocrinology Department, “Dr. José Eleuterio González” University Hospital (4) University Gerontological Committee, Autonomous University of Nuevo León, Monterrey, Nuevo León (Mexico)

12:40am Association Between Handgrip Strength And Body Mass Index And Other Simple Clinical And Anthropometric Measurements: A Cross-Sectional Population Based Study

Raúl Hernán Medina-Campos, MD, MSc1; Mario Ulises Pérez-Zepeda, MD, MSc1; Luis Miguel Gutiérrez-Robleido, MD, PhD1 (1) Research Division at the Hospital Infantil de México, Mexico City (México)
P1 • Impairment of Muscle Repair with Severe Intramuscular Lipid Accumulation Observed in Obese Diabetic Mice after Muscle Injury
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P2 • Handgrip Strength Predicts Cognitive and Physical Performance of Elderly: Nursing Home Study in West Jakarta
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P3 • Domains of quality of life and its relationship with Frailty Syndrome: Cross sectional study on elderly in nursing home, West Jakarta
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P8 • Hypervitaminosis B12 in the elderly: marker of frailty in the elderly?
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P9 • The unsuspected intrinsic property of melanin to dissociate the water molecule, implications in the context of Gerontology
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P11 • Physical activity in hospitalized elderly medical patients; How active are they, and what motivates to physical activity – a pilot study
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P12 • The impact of fasting duration and hospital stay on post-operative sarcopenia following radical cystectomy
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P17 • Cognitive frailty, a novel target for the prevention of elderly dependency
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P18 • Who are frail elderly?
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P19 • Study of Groningen Frailty Indicator (GFI) in the community vs clinical context
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P21 • A Sensory Stimulation Care Program for Nursing Home Residents with Cognitive Frailty: Positive Changes of Residents and Care Staff
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P22 • Physical frailty indicator as determinant and predictor factors of disability in older people in nursing homes in Jakarta, Indonesia
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P23 • Frailty syndrome, a prognostic marker in elderly cancer patients.
R Kandel1, MD, I. Janner, PhD, 1, S Thakur, MD, I. J. Desai, MD, 1, AB Dey, MD. - 1. Department of Geriatric Medicine, All India Institute of Medical Sciences (AIIMS), New-Delhi, India.

P24 • Nutritional assessment in ambulatory patients with chronic pancreatitis
Rasmussen HH, Schiødt-Olesen S, Kaibling M, Drewes AM, Holst M - 1. Centre for Nutrition and Bowel Disease, Aalborg University Hospital, Aalborg, Denmark

P25 • The Effects of Dietary -Hydroxy-Methylbutyrate and -Alanine and Physical Activity on Muscle Mass, Contractility, and Myosin Composition in Aged Male Rats
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P27  •  Frailty transitions in community-dwelling older people in Israel
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P28  •  Sarcopeia in patients with short bowel syndrome
Rasmussen HH, Vinter-Jensen L, Kohler M, Holst M - Center for Nutrition and Bowel Disease, Aalborg University Hospital and Department of Clinical Medicine, Aalborg University, Aalborg, Denmark

P29  •  Which tool for identification of sarcopeia in patients with short bowel syndrome?
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P30  •  The age-related differences of apoptosis and calpain-3 in atrophied skeletal muscles
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P31  •  Anthropometric characteristics of postmenopausal women depending on appendicular skeletal mass
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P32  •  Ultrasound echogenicity at the rectus femoris predicts attenuation on computed tomography in the evaluation of thigh tissue composition
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P33  •  Ultrasound probe measures of muscle quality are associated with strength and functional performance in older men
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P34  •  Sarcopeia and Sarcopenic Obesity and Functional Implications in Poliomyelitis Survivors
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P35  •  Low-magnitude high-frequency vibration (LMHFV) improved the skeletal muscle quality and retarded the sarcopenia progression in SAMP8 mouse.
Guo AF,PhD, Leung KS MD and Cheung WH PhD - Department of Orthopaedics and Traumatology, Faculty of Medicine, the Chinese University of Hong Kong, Hong Kong.

P36  •  Sarcopeia is a measurable preoperative predictor of surgical morbidity in advanced ovarian cancer
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P37  •  Functional decline and residual working capacity of the elderly people
Olencia Tomarewska, MD, PhD, Oleksandr Poltakow, MD, PhD - Institute of Gerontology by D.F. Chebotarev of National Academy Medical Sciences of Ukraine, Kiev, Ukraine

P38  •  Frailty among community dwelling older adults in the Malaysian Falls Assessment Intervention Trial (MyFAIT)
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P39  •  Care giver burden of frail elders in an urban setting in Malaysia
Jeyanthi Sathasivam MBBS, MHP1, 2, Shaharon Nasorai Che Mat Din MBBS, MHP1, 3, Shahrul Baharin Kamaruzzaman MRCGP, PHD2, 2 Farizah Mohd Haji MPH, MD, SC1, 4, Ng Chi Wan PhD1, Karunthi Chinn1 PHD1 (Malaysia)

P40  •  The association between single household family structures and frailty in a rural Japanese population:The Nagasaki Islands study
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P41  •  Is Trunk Posture in Walking a Better Marker than Gait Speed in Predicting Decline In Function and Subsequent Frailty?
Merchant Reshma A1, Bajeran S2, Singh G2, Chew E1, Pho CL3, Guo YF2, Pang YY2, Sharma MM2, Kambadur RS2, Tay SK6, 1 – 1 Department of Medicine, National University Health System, Singapore – 2 – 2 Department of Anaesthesiology, National University Hospital, Singapore – 3 – 3 School of Chemical and Bioengineering, Nanyang Technological University, Singapore – 4 – 4 Department of Biomechanics, Yong Loo Lin School of Medicine, National University of Singapore, Singapore – 5 – 5 School of Biological Sciences, Nanyang Technological University, Singapore – 6 – 6 Department of Paediatrics, KTP-National University Children’s Hospital, National University Health System, Singapore – 7 Yong Loo Lin School of Medicine, National University of Singapore, Singapore

P42  •  The benzodiazepine withdrawal syndrome in the elderly: a difficult diagnosis to be issued in frail elderly.
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P43  •  Compare the prevalence of different criteria among community dwelling elderly men in Beijing.
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P44  •  The Impact of Preoperative Assessment of Physical Frailty for Gastrointestinal Surgery in the Elderly
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P45  •  Beta-hydroxy-beta-methylbutyrate and vitamin D coordinately prevent skeletal muscle atrophy in vivo
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P46  •  Self-reported Physical Function is reduced in Persons with Dynapenia and Obesity: Data from the longitudinal Osteoarthritis Initiative
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P47 • Pre-sarcopenia (low muscle mass) differentiates women with low bone mass (BM) and osteoporotic fractures from those with low BM and no fractures
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P48 • Elderly hand as a new geriatric syndrome in cardiovascular practice
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P49 • Frailty in Elderly- A Nutritional Evaluation
Majida Shaheen PhD1, Dr. Seema Puri PhD2 - (1) Ph.D. Scholar, Department of Home Science, Delhi University, India - (2) Associate Professor, Department of Nutrition, Delhi University, India

P50 • Reliability of eight muscle strength measures obtained with a hand-held dynamometer in an elderly population
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P51 • Prevalence of frailty in nursing home residents according to various diagnostic tools
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P52 • Correlation between muscle mass and muscle strength and their association with physical performance and gait speed

P53 • Is there a specific pattern of lean / fat mass ratio in sarcopenic subjects?

P54 • Health Related Quality of Life in sarcopenia

P55 • Exploration of Trunk Muscle Composition and Select Physical Performance Measures: A Preliminary Analysis among Older Adults with and without Chronic Low Back Pain

P56 • Muscle fatigue resistance and self-perceived fatigue in relation with sarcopenia and quality of life

P57 • The Independent Role of Inflammation in Physical Frailty Among Older Adults with Mild Cognitive Impairment and Mild-to-Moderate Alzheimer’s Disease
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P59 • Differences in frailty among older adults residing across european countries: results from the shelter project
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P60 • Bone and muscle parameters in the prediction of hip fracture risk from the prospective European study of fractures of the femur (Cohort EFFECT): An in-vivo study
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P61 • Prevalence of sarcopenia in Parkinson’s disease
Davide Liborio Vetran1, Maria Stella Pisciotta1, Alice Laudisio2, Mauro Guglielm1, Domenico La Carpia1, Vincenzo Barbari1, Beatrice Di Capua1, Diego Ricciardi1, Maria Rita Lo Monaco1, Graziario Onder1, Roberto Bernabei1, Giuseppe Zucalli1. - 1 Department of Geriatrics, Orthopedics and Neurosciences – Catholic University of Rome – Italy. - 2 Department of Geriatrics - Campus Bio-Medico University of Rome – Italy – Rome

P62 • Comparison among functionality, cognition and mood of elderly users from a public health service in the interior of São Paulo (Brazil)
Davide Aline Cristina Martins Gratato1, PhD3, Beatriz Rodrigues de Souza Melo2, MD1, Karolina Helena Neris3, 5, Maria Angélica Andreotti Diniz3, 5, Carolina Nunes Schroer3, 5, Leandro Corena Figueiredo1, 5, PhD1, Vanderlei José Haas2, PhD3.

P63 • Frailty in Japanese elderly patients with chronic obstructive pulmonary disease: a two-year observation at outpatient clinic for comprehensive pulmonary rehabilitation Kazuyoshi Senda, PhD, 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, Oita, Japan - Co-Author & Affiliations: Shokuse Satake, MD, PhD4, Izumi Kondo, MD, PhD5, Mitsuhiro Nishikawa, MD2, Hanuko Tokuda, MD, PhD3, Hisakazu Miura, MD, PhD2, Hidetsushi Endo, MD, PhD4. (4) Department of Geriatric Medicine, (5) Department of Laboratory Medicine, National Center for Geriatrics and Gerontology, Oita, Japan

P64 • Variation in the prevalence of sarcopenia in Manizales, Colombia, according to 2 reference values of skeletal muscle mass index
Ana Maria Lopez Salazar - MD - University of Caldas, Colombia David Ricardo Gonzalez Gonzalez DR - MD - University of Caldas, Colombia Clara Helena Gonzalez Corea CH - PhD - Group of Electrical Biomechanics - University of Caldas, Colombia

P65 • Comparative study between self- and informal caregivers of elderly users from the public health service in the interior of the State of São Paulo (Brazil)
Aline Cristina Martins Gratato1, PhD3, Maria Angélica Andreotti Diniz2, 5, Karolina Helena Neris3, 5, Carolina Nunes Schroer3, 5, Beatriz Rodrigues de Souza Melo3, MD1, Luana Flávia da Silva Talmelli-Ruy1, PhD2 (1) RN, Ph.D. in Sciences from University of São Paulo at Ribeirão Preto College of Nursing (EERP-USP), Adjunct Professor, Department of Gerontology, University Federal of São Carlos, São Carlos, SP, Brazil. (2) Undergraduate student in Gerontology at University Federal of São Carlos, São Carlos, SP, Brazil. (3) RN. Master’s student, Graduate Nursing Program at University Federal of São Carlos, São Carlos, SP, Brazil. - (4) RN. Ph.D. in Sciences from University of São Paulo at Ribeirão Preto College of Nursing. Ribeirão Preto, SP, Brazil

P66 • Determination of total energy expenditure of patients with short bowel syndrome by a physical activity monitor: a comparison with the doubly labeled water method
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P67 • Total energy expenditure and physical activity in frail and non-frail older people: a study using doubly labeled water and activity monitoring
Eduardo Ferroilli, MD1 PhD2, Jose Alton Oliveira Carneiro, PhD2, Fernanda Pinheiro Amador dos Santos Pesquinha, MXC1, Karina Pfeifer, PhD1, Priscila Giacomo Fassini Mlx1, 1, Juliana Cristina Lemos de Sousa Marches, MC1, Andre Felipe Luqueira dos Santos, MD1, PhD1, Julio Cesar Moutgiut, MD2, Nereida Kita da Costa Lima MD, PhD1, (1) Division of Internal Medicine, Ribeirão Preto Medical School, University of São Paulo, Ribeirão Preto, SP, Brazil. (2) Department of Health, State University of West Bahia, USB, Jeque, Bahia, Brazil.
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P69 • Health profile of elderly and caregivers at a Long-Term Care Institution for the Elderly in the interior of the State of São Paulo (Brazil)
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P70 • Fragility in the elderly with chronic renal hemodialysis: application of Phenotype of Frailty Fried
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P71 • An Algorithm of Medication Review in Residential Aged Care Facilities: Focus on Minimizing Use of High Risk Medications
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P72 • An anthropometric prediction equation for appendicular skeletal muscle mass with a measure of muscle function to screen for sarcopenia in primary and aged care
Solomon Yu1, 2, Sarah Appleton3, Ian Chapman3, Robert Adams3, Gary Wittert5, Thavarakaj Visanathan4, Renuka Visanathan1, 1, 2, 7, 3, 4, 5, Department(s): 1. Aged and Extended Care Services, The Queen Elizabeth Hospital, Central Adelaide Local Health Network, South Australia, Australia 2. Aged Aged Geriatrics Training and Research with Aged Care (G-TRAC) Centre, School of Medicine, Faculty of Medicine, University of Adelaide, Adelaide, South Australia, Australia 3. School of Medicine, Faculty of Health Science, University of Adelaide, Adelaide, South Australia, Australia 4. Department of Anaesthesia, The Queen Elizabeth Hospital, Central Adelaide Local Health Network, South Australia, Australia

P73 • An ethnic-specific cut-point for sarcopenia for black South African women
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P74 • The association of fall history with hospitalization, skilled nursing facility stays, and nursing home placement in older, community dwelling women
Peggy M. Cawthon1. (1) California Pacific Medical Center Research Institute

P75 • Prevalence of sarcopenia and its comorbidities and functional capacity: Fibra Network Study in Belo Horizonte
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P76 • Association between frailty and functional capacity in community-dwelling elderly from Belo Horizonte, Barueri and Santa Cruz: Fibra Network Study
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P77 • Sarcopenia and oral health among elderly people in mexico City
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P78 • Effects of systemic supplementation on systemic inflammation of elderly subjects.
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P79 • Sarcopenia in elderly inpatients: how to identify?
Rita de Cássia de Aquino, Nayara de Oliveira, Mariana Marques de Sousa Miris Padowez (University São Judas, São Paulo, Brazil)

P80 • Dysphagia and sarcopenia as a risk factor for disability in elderly
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P81 • Leg muscle quality and performance in disability induced sarcopenic physical frailty
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P82 • Leg muscle quality and performance in disability induced sarcopenic physical frailty
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P83 • Validation of a Frailty Index from the interRAI Acute Care Instrument
Ruth E Hubbard, 1, Nancy M Peel, 1, Mayuki Samanta, 2, Arnold Mlntzis, 3, Kenneth Rockwood, 3, Leonard C Gray; 1. Centre for Research in Geriatric Medicine, The University of Queensland, Brisbane, Queensland, Australia 2. QMHR Berghofl Medical Research Institute, Brisbane, Queensland, Australia 3. Department of Medicine, Dalhousie University, Halifax, Nova Scotia, Canada

P84 • Preliminary Findings on the Psychometric Properties of the Chinese Version Peronal and Verbal-Non-Verbal Interaction Scale (C-VINVIS)
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P85 • Risks and prevention of frailty in social health effects of aging
Michel Nogues,Ph.D. Deputy Director Carsat LR, Geographer of Health, Montpellier, France. Jacques Touchon,Ph.D, Professor University of Montpellier I, neurologist, France. - Co-Authors & affiliations: Jean Bouquard, PhD, Valerie Bruguiere (5), Delphine Paccard(3), Anne-Laure Coupelet(3), Melanie Marc(3), Jean-Claude Reseau(3) - (2) University of Montpellier I, MACCIA-LR (Against Chronic Disease for Active Ageing in Languedoc Roussillon)- (3) Institute for Ageing CARsat Languedoc Roussillon France

P86 • Key inflammatory pathway genes are associated with frailty in the English Longitudinal Study of Ageing - A candidate gene association study
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P87 • Association of Physical Impairments with FNIH Sarcopenia definitions of Clinical Weakness: Data from the Health & Retirement Survey
John A. Bates, MD, Y Caxasindra M. Germain, PhD, Elizabeth Vazquez, DrPH, #Stephen J. Barlow, MD, MS #Ouver University Medical Center, #Bryan Alzheimer’s Disease Research Center, Durham, NC, †Department of Biostatistics, School of Public Health, University of North Carolina at Chapel Hill, †Department of Biostatistics, School of Public Health, University of California at Berkeley, †Department of Medicine, Geisel School of Medicine at Dartmouth, Dartmouth-Hitchcock Medical Center, Center for Health and Aging, Dartmouth College, Hanover, NH

P88 • Measuring Frailty: A Comparison of Fried’s Frailty Phenotype and Rockwood’s Frailty Index using the English Longitudinal Study of Ageing
Alan Marshall PhD1, Krzyszta Medzi, PhD1, James Nazroo PhD1 †Frailty Resilience and Inequalities in Later Life project, CMiST, University of Manchester, United Kingdom
P98 • Swallowing Function and Nutritional Status in Community-dwelling Elders and Inpatients of Old Age
Jaewon Beom MD1, Sung Ju Je, MD1, Minwoo Choi, OT1, Dong Jun Park, PhD2, Kang Hee Cho, MD, PHD1 (1) Department of Rehabilitation Medicine, Chungnam National University, Chungnam National University School of Medicine, Daejeon, Republic of Korea; (2) Korea Food Research Institute, Seongnam, Gyeonggi-do, Republic of Korea

P90 • Hypertrophic responses to resistance exercise training are attenuated with ageing, despite subjects being well matched for baseline body composition and metabolic health indices
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P91 • Evaluation of a dietary intervention in middle age obese sarcopenic females
Rumi Yoshida MD, PhD3, Maria Luiza Di Guglielmo MD, Marcella De Assis Freire Dos Santos MD, Maria Laura Di Guglielmo MD, Marianna Naccarato D, Carmen Pagano MD, Franco Contaldo MD FAAC, and Fabrizio Pasanisi MD PhD Department of Clinical Medicine and Surgery, Federico II University Hospital, Naples Italy

P92 • Unit for Diagnosis and Prevention of Sarcopenia (UDPS) Preliminary Experience
Candela Fernandez, Delores Gomez Glorioso, Elizabeth Samacki and Carlos Mautalen. - Mautalen, Saúde e Investigação.

P93 • Phase Angle Measurement Using Bioelectric Bioimpedance Age-dependent Individuals Who Drink Regularly Compared to Non-drancers
Mariana Gonzalez-Lara, Medicine Faculty, National Autonomous Mexican University (UNAM), Mexico. DF. Co-Authors & Affiliations: Pamela Telia Vega MD, Instituto Nacional de Geriatría, Mexico, DF. - (Authors contributed equally)

P94 • Perilipin and p38 expression during human muscle aging
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P95 • Malnutrition association with quality of life among people aged 60+ in sweden: results of the snac-b study
Mainwaring BSc1 and Cecilia Fagerström. Ass.prof.2,3 1 Malmö University, Malmö, Sweden 2 Bkieinge Centre of Technology, Karlslund, Sweden 3 Bkieinge Centre of Competence, Karlslund, Sweden

P96 • Association between ACE Insertion/Deletion (ID) polymorphism and frailty among Chinese older people
Shuanghui Chen MD, PhD, Latico I University Hospital Naples, Italy. Mauro Moro MD PhD, Marianna Di Guglielmo MD, Marcella De Assis Freire Dos Santos MD, Maria Laura Di Guglielmo MD, Carmen Pagano MD, Franco Contaldo MD FAAC, and Fabrizio Pasanisi MD PhD (1) Department of Clinical Medicine and Surgery, Federico II University Hospital, Naples Italy. (2) Italy.

P97 • Energy expenditure and physical activity in end-stage renal disease (ESRD): cross-sectional and longitudinal observations
Mahwish Nazeer MSc1 and Mariana Gonzalez-Lara, Medicine Faculty, National Autonomous Mexican University (UNAM), Mexico, DF. Co-Authors & Affiliations: Pamela Telia Vega MD, Instituto Nacional de Geriatría, Mexico, DF. (Authors contributed equally)

P98 • Enhanced expansion of mitochondrial DNA mutations in an in vitro model of HIV-associated skeletal muscle aging
Brendan AI Payne BMBs PhD, Wellcome Trust Centre for Mitochondrial Research, Institute of Genetic Medicine, Newcastle University, Newcastle-upon-Tyne, UK. Co-authors and affiliations: Kristian Gardenier MSc, Patrick F Chinney BMBs PhD Wellcome Trust Centre for Mitochondrial Research, Institute of Genetic Medicine, Newcastle-upon-Tyne, UK

P99 • Handgrip strength and depression among the very old
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P100 • The effects of a natural myostatin inhibitor derived from fertilized egg yolk on serum myostatin level and muscle mass: a randomized, double-blind, placebo-controlled trial
Robert Ashton, M.D.1, Jacob M. Wilson, Ph.D.2, Ryan Lowery, B.S.2, Neera D. Padiya, Ph.D.1, Maghsoudi Dariani, M.S.1, Robert J. Hariri, M.D., Ph.D.1 (1) MYOS Corporation, Cedar Knolls, NJ, USA (2) Department of Health Sciences, University of Tampa, Tampa, FL

P101 • A possibility of heat stress as a countermeasure for age-associated decreased of muscle mass
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P102 • Effects of intermittent slow-jogging training on fitness and skeletal muscle mass in older Japanese: a randomized controlled trial
Miwa Inoue, Iwamori, MD, PhD1, 2, Icariho Morimura, MSc1, Yasuhiro Higaki, MD, Ph.D1, 2, Akita Kyonaga, MD, Ph.D1, 2, Nakagawa Study Group 1) Laboratory of Exercise Physiology, Faculty of Sports and Health Science, Fukui University, Fukui, Japan 2) Fukui University Institute for Physical Activity, Fukui, Japan 3) Program of Health Promotion and Exercise, National Institute of Health and Nutrition, Tokyo, Japan

P103 • Effects of probiotic supplementation on systemic inflammation of elderly subjects.
João Valentina Neto1, Sandra Maria Lima Ribeiro, PhD1 (1) School of Arts Sciences and Humanities – USP- São Paulo-SP- Brazil Presenting author affiliation: 1-University of São Paulo, School of Arts, Science and Humanities-Brazil

P104 • The transition of senior learning in South of Taiw an: The New-aged Era is coming
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P105 • Analysis of functional availability, aerobic capacity and level of physical activity between ‘non sarcopenic’ elderly and elderly ‘at risk of sarcopenia’
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P106 • Sarcopenia and weight cycling in obese adults from Southern Italy
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P107 • Association between serum biomarkers and frailty level in men and women with minor injuries. Preliminary results from the CETI project
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P108 • Older adults exhibit reduced stretch reflections relative to young adults
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P109 • Copenhagen Sarcopenia Study - Is sarcopenia the next clinical target after osteoporosis?
Charlotte Suerta, Gastroop Hospital, University of Copenhagen - Dep of Diagnostics, Section of Clinical Physiology and Nuclear Medicine
P110 • Myofibrillar protein synthesis is elevated for 2 days following acute resistance exercise and high-intensity interval exercise in older men

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P111 • Long term measurement tool and quantitative outcome assessment of elderly physical performance

Styu Sun, MSc, 1Dr. Martin Daumen,1,2,1 - Trim Analysis Online GmbH, Germany 2 Sylvia Lawry Center for Multiple Sclerosis Research, Germany

P112 • Identification of frail individuals in primary care settings: proposal of a new model

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P113 • Concordance between tools for the detection of community dwelling frail adults

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P114 • Tackling frailty at primary care settings: validation and comparison of three identification tools and use of health care services: study protocol

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P115 • Older Adults with Chronic Low Back Pain: A Clinical Populatioon Vulnerable to Frailty?

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P116 • The Baystate Frailty Study – Prevalence of a Cohort in a Facility of Hospitalized Elderly Patients

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P117 • Change in Timed Up and Go performance over time in community-dwelling older men

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P118 • Interrelationship between recreational activity, muscle function and physical quality

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P119 • Using frailty to assess premature biological ageing in osteo-dependent adults

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P120 • Prediction of one-operation maximum from submaximal ratings of perceived exertion in older adults pre and post exercise

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P121 • Large heterogeneity in the response to resistance-type exercise training in elderly people

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P122 • Age-related changes of the muscle mass and muscle fat infiltration in subjects of the GAI MRI cohort without non-radiographic osteoarthritis

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P123 • Increase in intramuscular adipose tissue in postmenopausal women with type 2 diabetes compared to women without diabetes

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P124 • Iron deficiency deteriorates clinical and functional outcome in patients with acute ischemic stroke

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P125 • Enhancement of Satellite Cell Regenerative Potential in Sarcopenic Rats by Polyphenol-Enriched Plum Extract

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P126 • Nutritional status among persons with dementia. An analysis of Swedish quality registries.

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P127 • The influence of a 4-month resistance training on muscle cells of sarcopenic obese patients

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P128 • Effect of recreational physical activity on objective measures of functional profile and perceived health status in elderly with or without MCI

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P148 • Prevalence of sarcopenia in community dwelling Chilean older people
Lydia Lera, Cecilia Albalá, Hugo Sánchez, Bárbara Ángel, María José Hormazabal, Florencia Insunza - INITA, University of Chile, Santiago de Chile

P149 • Calf circumference vs. muscle mass skeletal index by bioelectrical impedance analysis for diagnosing sarcopenia in Colombian males and females.
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P150 • Quality of life and nutritional status in moderate alzheimer’s disease patients

P151 • Gender Difference in the Association between Physical Activity and Quality of Life among the Elder Population: A Cross Sectional Study of Taiwanese Preventive Service Utilizers
Yaw-Wen Chang, MD-Wen-Hui Fang, MD, Tung-Wei Kao, MD - Division of Geriatric Medicine, Tri-Servic General Hospital, National Defense Medical Center

P152 • Physical Capability is Associated with Objectively Measured Moderate-to-Vigorous Physical Activity but not Sedentary Time
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P153 • Changes in anthropometry and body composition in older, obese adults on different diets
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P154 • Associations between dietary intakes of protein and essential amino acids with skeletal muscle mass, grip strength and circulating C-reactive protein in women aged 18-79 years
A. Welch1, E. Kelaiditi2, A. Jennings2, A. MacGregor2, and A. Cassidy2 Departments of Population Health & Primary Care 1, Nutrition 2, and Medicine 3, Norwich Medical School, University of East Anglia, Norwich, Norfolk, NR4 7TT, UK

P155 • Prevalence and Predictors of Potentially Inappropriate Medications in Frail Elderly
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P156 • Frailty clinical phenotype: a physical and cognitive point of view
Anton, SD,1 Woods AJ1,2, Aubertin-Leheudre,3 M, Cohen R1,2, and Pahor M1 - 1, Institute on Aging, Department of Aging and Geriatric Research, University of Florida, Gainesville, Florida - 2, Cognitive Memory and Clinical Translational Research Program, University of Florida - 3, Faculty of Science, GRAPPA, Department of Geriatric Medicine, University of Toronto at Montreal, Montreal, Canada - 4, Research Centre of the Montreal Geriatric Institute, Universite de Montreal, Montreal, Canada

P157 • Clinical components linked to sarcopenia: the SarcoPhAge study

P158 • Baroreflex sensitivity in Fragility
Aniele C. de M. Takahashi, (1), Marelle S. de S. Buto (1), Mariana O. Gois (1), Verena de V. C. Carmelo (1), Aparecida M. Caiati (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

P159 • The profiles of lipid and apolipoprotein in robust, physical frailty with MCI in older Han Chinese male adults
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P160 • Cross-sectional and longitudinal associations between anaemia and frailty in older Australian men: The Concord Health and Ageing in Men Project
Vasant Hirani, PhD1,2,3, Vasi Naganathan, PhD1, Fiona Blyth1, David Le Couteur PhD 1,5, David Handselman, PhD 1, LouiseWaste, PhD 1, Robert Cumming, PhD 1, 3,1 - 1. Centre for Education and Research on Ageing, Concord Hospital, University of Sydney, New South Wales, Australia - 2. School of Public Health and Primary Care, University of Sydney, New South Wales, Australia - 3. The ARC, Centre of Excellence in Population Ageing Research, University of Sydney, Sydney, Australia - 4. Department of Andrology, Concord Hospital & ANZAC Research Institute, University of Sydney. - 5 ANZAC Research Institute & Charles Perkins Centre, University of Sydney, Sydney, Australia.

P161 • Reduced muscle mass or muscle weakness: exploring sarcopenia definitions and associations with functional and health-related outcomes in older people
Jasmine C Menard, PhD1, Franziska Weber, BSc 1, Daina L Sturinak, PhD 1, Joanne L, BSc 1, Stephen R Lord, PhD, DSc 1 - Falls and Balance Research Group, Neuroscience Research Australia and the University of New South Wales, Sydney, Australia

P162 • Impact of preoperative weight loss, abnormal serum-albumin and body composition on overall survival after major upper abdominal surgery
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P163 • Are there subtypes of (intermediate)frailty? A latent variable analysis of a health deficit index
Matthew O’Connell, PhD, Rose Anne Kenny, MD1, Bellinda L King-Kallimanis, PhD1 - 1 The Irish Longitudinal Study on Ageing, Trinity College, Dublin, Ireland

P164 • Sarcopenic obesity is associated with frailty in treatment controlled HIV patients
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P165 • Cognitive and Mobility Decline Concur in Seniors and Predict Pre-Frail Status. Results from the "Gait & Brain Study"
Montenegro-Góndola M 1,2,3Antonio-Rodríguez II, Oteng-Amoako A1, Mui-Hunter SW1,2, Gopal K1, Speechley M1,2,3 - 1 Gait and Brain Lab, Parkwood Institute, Lawson Health Research Institute; 2. Schiulli School of Medicine & Dentistry, Division of Geriatric Medicine 3. Department of Epidemiology and Biostatistics, All University at Western of Ontario, London, ON, Canada.

P166 • Prevention of Sarcopenia in Stroke: interventional concepts from experimental to clinical trials.
Wolfram Doehner, MD, PhD Centre for Stroke Research Berlin, Charité – Universitätmedizin Berlin, Germany

P167 • Structural and social factors as predictors of frailty in a national sample of older Mexican adults
Betty Marriqué-Espinosa, Dr1; Karla Moreno-Tamayo, MSc1; Lu Zhang, MSc2; Martín Romero-Martínez, Dr1; and Aarón Salinas-Rodríguez, Msc1 - 1 (National Institute of Public Health, Cuernavaca, Mexico - 2) Harvard School of Public Health, Boston, USA

P168 • The effect of frailty index form routine laboratory data on mortality in an oldest old Chinese community sample
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P188 • Validating a modified frailty index use in a medicine use study
Imaina Wildago1, Dr. Nicole Pratt1, Dr. Mary Russell2, Prof. Libby Roughhead1 (1)Quality Use of Medicines and Pharmacy Research Centre, Sansom Institute, School of Pharmacy and Medical Sciences, University of South Australia, Adelaide, Australia; (2) School of Health Sciences, University of South Australia, Adelaide, Australia

P189 • A Review of Frailty in Developing Countries
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P190 • Response to Antiplatelet Drugs in Frail and Non-frail Older Inpatients with Atrial Fibrillation
Tu N Nguyen, MD, PhD Candidate 1, 2; Dominic Pepperell, MBBS 3; Marie-Christine Morel-Kopp, PhD 3, Christopher Ward, MBBS, PhD 3, Robert G Cumming, MBBS, PhD 2, Sarah N Hilmer, MBBS, PhD 1, 2 - 1 Departments of Clinical Pharmacology and Aged Care, Royal North Shore Hospital and Kolling Institute of Medical Research, University of Sydney, Sydney, NSW, Australia; 2 - School of Public Health, University of Sydney, Sydney, NSW, Australia (3)Department of Haematology and Transfusion Medicine, Royal North Shore Hospital and Northern Blood Research Centre, Kolling Institute of Medical Research, University of Sydney, NSW, Australia

P191 • Coagulation Changes In Frail And Non-frail Older Inpatients With Atrial Fibrillation
Tu N Nguyen, MD, PhD Candidate 1, 2; Dominic Pepperell, MBBS 3; Marie-Christine Morel-Kopp, PhD 3, Christopher Ward, MBBS, PhD 3, Robert G Cumming, MBBS, PhD 2, Sarah N Hilmer, MBBS, PhD 1, 2 - 1 Departments of Clinical Pharmacology and Aged Care, Royal North Shore Hospital and Kolling Institute of Medical Research, University of Sydney, Sydney, NSW, Australia; 2 - School of Public Health, University of Sydney, Sydney, NSW, Australia (3)Department of Haematology and Transfusion Medicine, Royal North Shore Hospital and Northern Blood Research Centre, Kolling Institute of Medical Research, University of Sydney, NSW, Australia

P192 • The association of gait speed with endothelial dysfunction as measured by reactive hyperemia index
Jorge A. Bresnes-Salazar MD, Michael Gharacholou MD, Ryan Lennon MSc, Mandep Singh MD, MPH (1)Department of Cardiovascular Diseases, Mayo Clinic, MN (2)Department of Biostatistics, Mayo Clinic, MN

P193 • Prevalence of the syndrome of the frailty in hospitalized elderly patients: data from a reference health center in southern Brazil.
Daniela Ramos Oliveira, MSc, Jaqueline Sturmer, MSc, Patricia De Carl Toniol, MSc, Luiz Antonio Bettinelli, PhD, Eliane Lucia Colussi, PhD, Adriano Pasqualotti, PhD. Postgraduate Program in Human Aging, University of Passo Fundo, Passo Fundo, Brazil.

P194 • Prevalence of hypo-albuminemia and associated factors in elderly hospitalized
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P195 • Relationship between reduction of muscle mass and adverse outcomes after cardiac surgery
Patricia De Carl Toniol, MSc, Debora D’Agostini Jorge Lisboa, MSc, Jaqueline Sturmer, MSc, Luiz Antonio Bettinelli, PhD 1; Eliane Lucia Colussi, PhD 1. - (1) Postgraduate Program in Human Aging, University of Passo Fundo, Passo Fundo, Brazil.

P196 • The prediction of fall risks using body composition and physical performance in hospitalized adults.
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P197 • Gait speed. Cutoffs in elderly Mexican population.
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P198 • Change in Physical Performance Measures Following Kidney Transplant
Brian Kotalanjal, PT1, Elizabeth Lorenz, MD2, Nathan K. LeBrasseur, PhD3, 4 - 1Center for Clinical and Translational Science, 2Department of Nephrology and Hypertension, 3Kogod Center on Aging, 4Department of Physical Medicine and Rehabilitation, Uniform, Clinic, Rochester, MN

P199 • Can L-Arginine improve skeletal weakness and force in DMD?
Gawiyolu Danilolu PhD, Royal Military College Saint-Jean, Saint-Jean-sur-Richelieu, Quebec, Canada

P200 • Interventions for the treatment of sarcopenia in an elderly: an integrative literature review
Alessio Fernandez Bolina, RN, Master in Nursing1; Graziele Aparecida Caetano Calil, RN, Master’s student1; Letícia Pencicarana Ferezin, Gerontologist, Master’s student1; Marina Soares Bernardes, Occupational Therapist, Master’s student 2; Carla Bopp, Physiotherapist, Master’s student2; Luciana Kusenberg, RN, PhD3, Suel Marques, RN, PhD1. (1) University of São Paulo at Ribeirão Preto College of Nursing, Brazil. (2) University of São Paulo at São Carlos, Programme of Post-Graduation Interunits in Bioengineering, Brazil.

P201 • Effects of ageing on neuromuscular junction and muscle function
Estelle Lach-Trilliaf, PhD 1, Amo Odoemiyo, PhD 2, Martin Rauch, PhD 3, Peter Rolland-Allegoni, PhD 3, and Nicole Genw1- (1) Musculoskeletal Disease Area, (2) Preclinical Safety. (3) Global Imaging Group, Novartis Institutes for BioMedical Research, Basel, Switzerland

P202 • Longitudinal performance assessment for predicting adverse outcomes: The added value to single time point Timed Up and Go assessment
Stefanie De Buser PhD 1, Mirko Petrovic, MD, PhD 1, Youri Taes, MD, PhD 2, Bruno Lapauw, MD, PhD 2, Kaatje Toyse, BSc2, Jean-Marc Kaufman, MD, PhD 2, Stefan Goemaere, MD, PhD 2 - 1Department of Genetics, Ghent University Hospital, Ghent, Belgium (2) Department of Endocrinology and Unit for Osteoporosis and Metabolic Bone Diseases, Ghent University Hospital, Ghent, Belgium.

P203 • Assessment and definition of lean body mass weakness and disability in women
Vladyslav Povoroznyuk, Nataliya Dvercoych, D.F. Chetobatev Institute of gerontology NAMS Ukraine, Kyiv, Ukraine

P204 • Body composition and bone mineral density, spinal micro-architecture (bts data) in the older ukranian women with vertebral fracture fragility
Vladyslav Povoroznyuk, Nataliya Dvercoych - D.F. Chetobatev Institute of gerontology NAMS Ukraine, Kyiv, Ukraine

P205 • Frailty Predicts Cause-Specific Hospitalization among Persons Aging with HIV Infection and Drug Use
Damani A. Pigott, PhD1, Abimbere D. Muzachie, MD, MPH1, Shrut1 T. Mehta, PhD, MPH1, Ryan P. Westergaard, MD, FFDR1, Todd T. Brown, MD, PhD1, Kushang V Patel, MPH1, MPH3, Sean X. Leng, MD, PhD1, Gregory D. Kirk, MD, PhD1-1 (1) Johns Hopkins University, Baltimore, MD, USA - (2) University of Wisconsin, Madison, WI, USA - (3) University of Washington, Seattle, WA, USA

P206 • About frailty and disability: where to draw the line between the two?
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P207 • Fruits and vegetables intake and physical activity as predictors of disability risk factors in african-american health study.
Sandra ML Ribeiro, MD1, Candidate 1, 2; John E. Morley, MD1, BCh2, Theodore K Mahlstrom, PhD2, Douglas K. Miller, MD - 4 - Co-authors affiliation: 1-University of São Paulo, School of Arts, Science and Humanities Brazil, 2-Co-authors affiliation: 2-St Louis University, School of Medicine, Geriatrics Division; 3-St Louis University, School of Medicine, Neurology & Psychiatry Department

P208 • The effects of fasting and exercise on muscle protein metabolism - (IGF1-Akt-mTOR-Foxo signalling pathway) in very old mice
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P209 • Prevalence of sarcopenia and its association with disability in Mexico’s rural settings
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P210 • Utility of the mid-thigh cross-sectional muscle area on CT in diagnosing sarcopenia — Analyses of the association with skeletal muscle volume measured by DXA
Yasumoto Matsui, MD,PhD1, Koji Tsukasaki, MD1, Masae Takemura, MD,PhD1, Atsushi Harada, MD,PhD1, Masako Nakamoto PhD2, Rei Otsuka PhD2, Fujiko Ando MD,PhD3, Hirosi Shimokata, MD,PhD4
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P211 • Sarcopenic obesity is associated with frailty and mortality in community dwelling older Men: The Concord Health and Ageing in Men Project
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