8:30/9:00  
WELCOME  
Marco PAHOR (Gainesville, USA), Bruno VELLAS (Toulouse, France), Jorge RUIZ (Miami, USA), Matteo CESARI (Milano, Italy), Roger FIELDING (Boston, USA)  

9:00/9:20  
KEYNOTE 1  
DO-HEALTH TRIAL  Chairman : Bruno Vellas, Toulouse (France)  
Heike Bishoff Ferrari, Zurich University, (Switzerland)  

9:20/10:05  
SYMPOSIUM 1  
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS) INITIATIVES TO IMPROVE FUNCTION, PROMOTE HEALTHY AGING AND INDEPENDENT LIVING AMONG OLDER ADULTS  
Moderator: Rosaly Correa-de-Araujo, MD, MSc, PhD - National Institute on Aging (NIA), National Institutes of Health (NIH), U.S. Department of Health and Human Services (HHS)  
• Aging Research Supported by the National Institute on Aging (NIA)  
Marie A. Bernard, MD - National Institute on Aging (NIA), National Institutes of Health (NIH), U.S. Department of Health and Human Services (HHS)  
• Aging Research Supported by the National Institute on Aging (NIA): Announcing the NIA Central Biorepository  
Rosaly Correa-de-Araujo, MD, MSc, PhD - National Institute on Aging (NIA), National Institutes of Health (NIH), U.S. Department of Health and Human Services (HHS)  
• Chronic Disease Self-Management Education (CDSME) Programs and Other Services and Supports Resources Funded by the HHS Administration for Community Living (ACL)  
Carol Nohelia Montoya, FMD, MPH - Florida Health Networks (FHN)  

10:05/10:20  
CONFERENCE 1  
RACE DEPENDENT CHANGES TO GENE EXPRESSION IN FRAIL, MIDDLE AGED ADULTS  
Calais S. Prince PhD1, Nicole Noren Hooten PhD1, Nicolle Mode MS1, Yongqing Zhang PhD1, Ngozi Ejiogu MD1, Kevin Becker PhD2, Alan B. Zonderman PhD1, and Michele K. Evans PhD1 - (1) Laboratory of Epidemiology and Population Sciences, National Institute on Aging, National Institutes of Health, Hartford, MD, USA - (2) Laboratory of Genetics and Genomics, National Institute on Aging, National Institutes of Health, Baltimore, MD, USA  

10:20/10:35  
CONFERENCE 2  
TRANSFERRING URATOLITHINA BENEFITS ON MUSCLE MITOCHONDRIA INTO HUMANS  
A. Singh1, P.A. Andreux1, W. Blanco-Bose1, P. Aebischer2, J. Auwerx3, C. Rinsch1 - 1 Amazentis SA, Switzerland  2 Brain Mind Institute, Ecole Polytechnique Federale de Lausanne, Switzerland  3 School of Life Sciences, Ecole Polytechnique Federale de Lausanne, (Switzerland)  

10:35/11:05  
CONFERENCE BREAK – POSTERS  

11:05/11:20  
CONFERENCE 3  
ALLOGENEIC BONE MARROW-DERIVED MESENCHYMAL STEM CELLS AS A TREATMENT FOR AGING RELATED INDICATIONS  
J Hare, Longeveron LLC, Miami, FL, (USA)  

11:20/11:35  
CONFERENCE 4  
COMPENSATORY ADJUSTMENTS IN MOTOR UNIT BEHAVIOR DURING FATIGUE DIFFER FOR YOUNGER VERSUS OLDER MEN  
Matt S. Stock1, Jacob A. Mota2, Dennis P. Kwon1, Mary Kennedy1, Eric J. Sobolewski3, Youngdeok Kim4, Joaquin Gonzales1 - 1 University of Central Florida, Orlando, FL  - 2 University of North Carolina at Chapel Hill, Chapel Hill, NC 3 Furman University, Greenville, SC 4 Texas Tech University, Lubbock, TX (USA)  

11:35 /11:50  
CONFERENCE 5  
IS FRAILTY ASSOCIATED WITH WORSE OUTCOMES AFTER TOTAL JOINT REPLACEMENTS?  
Lisa A. Mandl, MD, MPH1,2; Charles N. Cornell, MD1,2; Michael B. Cross, MD1,2; Alejandro Gonzalez Della Valle, MD1,2; Mark F. Figgie, MD1,2; Seth A. Jerabek, MD1,2; Justin T. Do, BSE1; Mayu Sasaki, MPH1; Nathaniel Hupert, MD, MPH1; Jackie Finik, MPH1; Steven K. Magid, MD1,2; 1 Hospital for Special Surgery, New York, NY 2 Weill Cornell Medicine, New York, NY, (USA)
11:50/12:00  **ORAL COMMUNICATION 1**
**MEMBRANE LIPID REPLACEMENT WITH ORAL NTFACTOR LIPOS® TO RESTORE MITOCHONDRIAL FUNCTION, REDUCE FATIGUE, PAIN AND OTHER SYMPTOMS AND IMPROVE QOL INDICATORS IN AGED SUBJECTS**
Garth L. Nicolson, PhD, MD(H) and Paul Breeding, DC. 1 Dept. of Molecular Pathology, The Institute for Molecular Medicine, Huntington Beach, CA, USA; 2 Blue Hole Wellness, San Antonio, TX, USA

12:00/12:10  **ORAL COMMUNICATION 2**
**OLDER ADULTS WITH BOTH COGNITIVE AND PHYSICAL IMPAIRMENTS ARE AT HIGHEST RISK TO DEVELOP DEMENTIA: A 12-YEAR LONG POPULATION-BASED STUDY**
Giulia Grande; Debora Rizzuto; Davide L Vetrano; Anna Marseglio; Nicola Vanacore; Erika Laukka, Anna-Karin Walmér, Laura Fratiglioni, Aging Research Center, Department of Neurobiology, Care Sciences and Society, Karolinska Institutet and Stockholm University, Stockholm, Sweden. 2 Department of Geriatrics, Catholic University of Rome, Italy. 3 National Centre of Epidemiology, National Institute of Health, Rome, Italy. 4 Stockholm Gerontology Research Center, Stockholm, Sweden

12:10/12:20  **ORAL COMMUNICATION 3**
**LONG TERM RATES OF CHANGE IN MUSCULOSKELETAL AGING: FINDINGS FROM THE HEALTH, AGING AND BODY COMPOSITION STUDY**
Leo Westbury, MSc; Holly Syddall, PhD; Elaine Dennison, PhD; Jane Cauley, DrPH; Tamara Harris, MD, MS; Eric Shirota Jr, ScD, MEd; Brett Goodpaster, PhD; Anne Newman, MD, MPH; Cyrus Cooper, FMedSci. 1 MRC Lifecourse Epidemiology Unit, University of Southampton, Southampton, UK. 2 Department of Epidemiology, University of Pittsburgh, Pittsburgh, Pennsylvania, USA. 3 Laboratory of Epidemiology and Population Sciences, Intramural Research Program, National Institute on Aging, Bethesda, Maryland, USA. 4 Division of Preventive Medicine, Department of Medicine, Brigham and Women’s Hospital, Harvard Medical School, Boston, Massachusetts, USA. 5 Translational Research Institute for Metabolism and Diabetes, Florida Hospital, Orlando, Florida, USA

12:20/12:30  **ORAL COMMUNICATION 4**
**INTERVENTIONS TO TREAT FRAILTY: A SYSTEMATIC REVIEW AND NETWORK META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS**
Ahmed Negm, Courtney C Kennedy, Ian D Cameron, Lehana Thabane, Areti-Angeliki Veroniki. 1 Geriatric Education and Research for the Aging Sciences (GERAS), St Peter’s Hospital, Hamilton ON, Canada. 2 School of Rehabilitation Science, McMaster University, Hamilton, ON, Canada. 3 Department of Medicine, McMaster University, Hamilton ON, Canada. 4 John Walsh Centre for Rehabilitation Research | Sydney Medical School Northern, University of Sydney, Kolling Institute | Royal North Shore Hospital | St Leonards, NSW, Australia. 5 Department of Health Research Methods, Evidence, and Impact, McMaster University, Hamilton ON, Canada. 6 Department of Primary Education, School of Education, University of Ioannina, Ioannina, Greece. 7 Li Ka Shing Knowledge Institute, St. Michael’s Hospital, Toronto, Ontario, Department of Family and Community Medicine, College of Medicine, King Saud University, Riyadh, Saudi Arabia.

12:30/1:50  **LUNCH BREAK – POSTERS**

1:50/2:35  **SYMPOSIUM 2**
**NOVEL TARGETS FOR TREATING PHYSICAL AND COGNITIVE SYMPTOMS OF FRAILTY**
Moderator: Tom Buford, University of Alabama at Birmingham, Department of Medicine (USA)
- **Neuroinflammation as a contributor to cognitive and physical frailty**
  Yenisel Cruz-Almeida, University of Florida, Department of Aging and Geriatric Research (USA)
- **Weakened skeletal muscle circadian rhythms in older adults with chronic idiopathic fatigue**
  Todd Manini, University of Florida, Department of Aging and Geriatric Research (USA)
- **The Gut Microbiome as a Target for Physical and Cognitive Frailty**
  Tom Buford, University of Alabama at Birmingham, Department of Medicine (USA)

2:35/2:55  **KEYNOTE 2**
**EFFECT ON PROTEIN INTAKE ON MUSCLE MASS, PERFORMANCE AND PHYSICAL FUNCTION IN FUNCTIONALLY LIMITED OLDER ADULTS**
Chairman: Marco Pahor, Gainesville, FL, USA
Shalender Bhasin, Harvard Medical School, Boston (USA)
2:55/3:25 COFFEE BREAK – POSTERS

3:25/3:55 PANEL DISCUSSION
INTERNATIONAL CLINICAL PRACTICE GUIDELINES FOR SARCOPENIA:
SCREENING, DIAGNOSIS AND MANAGEMENT
John Morley, Saint Louis (USA), Elsa Dent, Adelaide, (Australia)

3:55/4:40 SYMPOSIUM 3
BIOENERGETICS OF FRAILITY: FROM THE ANIMAL MODELS TO THE HUMAN EVIDENCE
Moderators: Leocadio Rodríguez Manas, MD, PhD, Director GARN-IAGG scientific
Director of ciberes, head of the department of geriatrics, hospital universitario de Getafe, Spain - Jose Vina, MD, PhD Society for research on free radicals (SRFR), chair, department of physiology, Universidad de Valencia, Spain
• Longitudinal Trajectories of Physical Function in Mice
Rafael de Cabo, (NIH/NIA/IRP) National Institute of Aging, Baltimore, (USA)
• The isocaloric Ketogenic Diet reduces frailty and extends longevity in mice: potential mechanisms.
Gino Cortopassi, Professor, Molecular Biosciences UC Davis, (USA)
• The role of bioenergetics in human frailty
Jeremy D. Walston, MD- Raymond and Anna Lublin Professor of Geriatric Medicine Johns Hopkins Asthma and Allergy Center, Baltimore, (USA)

4:40/4:50 ORAL COMMUNICATION 5
INHIBITION OF KYNURENINE PRODUCTION PROTECTS SKELETAL MUSCLE FROM THE AGE-RELATED LOSS OF MASS AND STRENGTH.
Helen Kaiser1, Kanglun Yu MD2, Chirayu Pandya PHD3, Carlos M. Isales MD1, Meghan E. McGee-Lawrence PHD1, Maribeth Johnson1, Sadanand Fulzele PHD1, Mark W. Hamrick PHD1 1 Medical College of Georgia, Augusta University, Augusta, (USA)

4:50/5:00 ORAL COMMUNICATION 6
EARLY KIDNEY DYSFUNCTION IS ASSOCIATED WITH LONGITUDINAL DECLINE IN PHYSICAL PERFORMANCE IN THE ELDERLY
Petra Bozkova PhD1, Joshua I Barzilay MD2, Howard A Fink MD, MPH3, John A Robbins MD, MPH4, Jane A Cauley DrPh3, Joachim H Ik MD4, Kenneth J Mukamel MD, MPH7. Department of Biostatistics, University of Washington, Seattle, WA 2. Division of Endocrinology Kaiser Permanente of Georgia and the Division of Endocrinology, Emory University School of Medicine, Atlanta, GA 3. Geriatric Research Education and Clinical Center, VA Health Care System, Minneapolis, MN 4. Department of Medicine, University of California at Davis, Modesto, CA 5. Department of Epidemiology, Graduate School, School of Public Health, University of Pittsburgh, Pittsburgh, PA 6. Division of Nephrology, University of California at San Diego, San Diego, CA 7. Department of Medicine, Beth Israel Deaconess Medical Center, Brookline, MA (USA)

5:00/5:10 ORAL COMMUNICATION 7
EVALUATING THE PHYSIOTYPE OF FRAILITY: VALIDATION OF A MEASURE OF PHYSIOLOGICAL MULTISYSTEM DYSREGULATION IN TWO DATASETS
A Gross, Michelle C. Carlson, Mara A. McAdams-DeMarco, Dan Mungas, Eleanor Simonsick, Ravi Varadharf, Qian-Li Xue, Jeremy Walston, Karen Bandeen-Roche. Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, USA 2. Department of Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, USA 3. Department of Psychiatry, University of California, San Diego, CA, USA 4. Department of Medicine, Division of Geriatric Medicine and Gerontology, Johns Hopkins School of Medicine, Baltimore, MD, USA 5. Intramural Research Program, National Institute on Aging, Baltimore, Maryland, USA 6. Division of Biostatistics & Bioinformatics, Sidney Kimmel Comprehensive Cancer Care Center, Johns Hopkins School of Medicine, Baltimore, MD, USA 7. Department of Biostatistics, Johns Hopkins School of Public Health, Baltimore, MD, USA

5:10/5:20 ORAL COMMUNICATION 8
CT-DERIVED MUSCLE MASS AND MYOSTEATOSIS IN PATIENTS WITH SOFT-TISSUE SARCOMA: RESULTS FROM A PHASE-3 TRIAL AT 81 SITES IN 13 COUNTRIES
Praman Fuangfa, MD, Yao Lu, ScM, Larry Yao, MD, Karla V. Ballman, PhD, Patrick Kortebein, MD, Robert J. Canter, MD, Leon Lenchik, MD1, Robert D. Boutin1 (1) Departments of Radiology, Physical Medicine and Rehabilitation, and Surgery, University of California Davis, School of Medicine, Sacramento, CA, USA 2 (1) The Healthcare Policy and Research, Weill Cornell Medical College, New York, NY, USA 3 (1) Radiology and Imaging Sciences, National Institutes of Health, Bethesda, MD, USA (4) Department of Radiology, Wake Forest School of Medicine, Winston-Salem, NC, (USA)
5:20/5:30 ORAL COMMUNICATION 9
EFFECT OF RESISTANCE EXERCISE TRAINING AND FISH OIL SUPPLEMENTATION ON THE ADAPTIVE RESPONSE OF MUSCLE IN SARCOPENIC OLDER WOMEN
Natâlia Maira da Cruz Alves MSc, Carolyn Anne Greig PhD, Karina Pfrimer PhD, Priscila Carvalho MSc, Ellen Cristina de Freitas PhD, Thiago Neves MSc, Juliana Cristina Lemos dos Santos Marchesi PhD, Daniela Dalpube Campanari MSc, Olga Laura Sena Almeida MD, Eduardo Ferrioli MD PhD.
(1) Department of Medicine, Ribeirão Preto Medical School, University of São Paulo, Ribeirão Preto, SP, Brazil
(2) School of Sport, Exercise and Rehabilitation Sciences and MRC-Arthritis Research UK Centre for Musculoskeletal Ageing Research, University of Birmingham, Birmingham, UK
(3) São Paulo State University (Unesp), Araraquara, SP, (Brazil)

5:30/5:40 ORAL COMMUNICATION 10
SARCONEOS (API BIO101) TARGETS MASS RECEPTOR WITHIN THE PROTECTIVE ARM OF THE RENIN ANGIOTENSIN SYSTEM AND PROVES EFFICACY IN VARIOUS MODELS OF MUSCLE WASTING
Pierre Dilda¹, Mathilde Latil¹, Maria Serova¹, Blaise Didry-Barca¹, Sissi On¹, Stanislas Veillet¹, René Lafont² Biophytis, Sorbonne Université, Paris, France
² Sorbonne Université, UPMC Univ Paris, Paris-Seine Biology Institute (BIOSPIE), CNRS, Paris, (France)

5:40/6:10 PANEL DISCUSSION
ICOPE Integrated Care for Older People: Presentation and Panel discussion
Islene Araujo de Carvalho, World Health Organization (WHO), Geneva, Switzerland
Bruno Vellas, Toulouse (France), Matteo Césari, Granda-Università di Milano, (Italy)
Luis Miguel Gutiérrez-Robledo Instituto Nacional de Geriatria (Mexico)
**NEW PARADIGM (MITOCHONDRIAL FUNCTION TO ADDRESS MUSCLE HEALTH) VS. OLD PARADIGM (BOOSTING MUSCLE MASS)**

**PRESENTATION OF THE ICFSR LIFETIME ACHIEVEMENT AWARD**  
Jack Guralnik, University of Maryland, Baltimore, (USA)

**KEYNOTE 3**  
**INTRINSIC CAPACITY**  
Matteo Cesari, University of Milan (Italy)

**SYMPOSIUM 4**  
**THE ROLE OF MITOCHONDRIAL FUNCTION IN CONDITIONS OF ACCELERATED AGING: IMPLICATIONS FOR NUTRITIONAL THERAPY**  
Chairman: Roger Fielding, Tufts University Boston, MA, (USA)

**KEYNOTE 4**  
Chairman: Roger Fielding, Tufts University MA, (USA)  
**BIOMARKER AND BIOLOGY OF FRAILTY**  
Jeremy Walston, Johns Hopkins University, Baltimore, (USA)

**CONFERENCE BREAK – POSTERS**

**CONFERENCE 6**  
THE ASSOCIATION BETWEEN MUSCLE MASS ASSESSED BY D3CR DILUTION WITH INCIDENT ADL AND IADL DISABILITY IN COMMUNITY DWELLING OLDER MEN  
Peggy M. Cavthon, Terri Blackwell, Steven R. Cummings, Eric S. Orwoll, Kate A. Duchowny, Deborah Kado, Katie L. Stone, Kristine E. Ensrud, Jane A. Cauley, William J. Evans  
California Pacific Medical Center Alameda CA (USA)

**CONFERENCE 7**  
DIFFERENCES IN AMINO ACID COMPOSITION BETWEEN VARIOUS TYPES OF PROTEIN SUPPLEMENTS.  
Nathaniel Johnson BA1, Kara Trautman MS, CSCS1, Christopher Kotarsky MS, CSCS1, Nathan Dicks MS, CSCS1, TSAC-P1, Kyle Hackney, PhD, CSCS1, and Sherri Staatspy PhD, RD, CSSD, LRD1. 1Department of Health, Nutrition, and Exercise Sciences, North Dakota State University, Fargo, ND, (USA)

**CONFERENCE 8**  
DEVELOPMENTS IN THE PATHOPHYSIOLOGIC BASIS OF FRAILTY IN TYPE 2 DIABETES AND EMERGING ROLES OF APELIN IN FUTURE CLINICAL TRIALS  
Cedric DRAY, INSERM (France)

**ORAL COMMUNICATION 11**  
SURMOUNTING THE AGED NICHE TO IMPROVE SKELETAL MUSCLE REGENERATION  
Adelaida R. Palla*1, Andrew T.V. Ho*1, Ann Yang1, Colin A. Holbrook1, Peggy Kraft1, and Helen M. Blau*1Equal contribution;1Baxter Laboratory for Stem Cell Biology, Department of Microbiology and Immunology, Stanford School of Medicine, California, (USA)

**ORAL COMMUNICATION 12**  
DIETARY SUPPLEMENTATION WITH FISH OIL AND CURCUMIN IMPROVES GAIT SPEED AND MITOCHONDRIAL FUNCTION DURING AGING  
Claire Boutey-Regard, PhD1, Laurent Mosoni, PhD2, Lydie Combaret, PhD2, Christiane Deval2, Lenaic Dupuis, MSc 1, Eugenia Migliavacca, PhD1, Gabriele Civiletto, PhD1, Jerome N. Feige, PhD1, Dominique Dardevet, PhD2, Denis Breuille, PhD1 1Nestle Research, Vers-chez-les-Blanc, Lausanne 26, Switzerland; 2Univeriste Clermont Auvergne, INRA, UNH, CRNH Auvergne, Clermont-Ferrand, France; 3Nestle Research, EPFL Innovation Park, Lausanne, (Switzerland)

**ORAL COMMUNICATION 13**  
PREDICTING ONSET, PREVALENCE AND MORTALITY IN MALE AND FEMALE MICE USING THE MOUSE FRAILTY PHENOTYPE  
L Thompson, Dongmin Kwak, Boston University Cory Baumann, University of Minnesota (USA)

**ORAL COMMUNICATION 14**  
AGING-ASSOCIATED LOSS OF HYPOXIA SIGNALING LIMITS SKELETAL MUSCLE REGENERATION  
Indranil Sinha MD1,4, Dharniya Sakhthivel MS1, Kodi Udeh BS1, Bin Li MD1, Adriana Panayi MD1, Ronald Neppel PhD1, Shalender Bhasin MD1, Amy Wagers PhD1 1Division of Plastic Surgery, Brigham and Women’s Hospital, Boston; 2Department of Orthopedic Surgery, Brigham and Women’s Hospital 3Division of Endocrinology, Brigham and Women’s Hospital, Boston 4Harvard Stem Cell Institute, Cambridge (USA)
**Program • Thursday • February 21, 2019**

**12:35/12:45**

**ORAL COMMUNICATION 15**

**DYNAPENIA IS ASSOCIATED WITH EXECUTIVE DYSFUNCTION. RESULTS FROM THE GAIT AND BRAIN STUDY**

Montero-Odasso M MD PhD FRCPC1,2,3, Sakurai R PhD4, Bray NW MSc1,2,3, Pieruccini-Faria F PhD1,2,3, Sarquis-Adamson Y PhD, Speechley M PhD1,2 Department of Medicine, Division of Geriatric Medicine, Schulich School of Medicine & Dentistry, University of Western Ontario, London, ON, Canada1 Department of Epidemiology and Biostatistics, Schulich School of Medicine & Dentistry, University of Western Ontario, London, Canada; 3 Gait and Brain Lab, Parkwood Institute, Lawson Health Research Institute, London, ON, Canada; 4 Tokyo Metropolitan Institute of Gerontology, Tokyo, Japan5 School of Kinesiology, Faculty of Health Sciences, University of Western Ontario, London, ON, (Canada)

**12:45/1:45**

**LUNCH INDUSTRY SYMPOSIUM**

**TARGETING THE PROTECTIVE ARM OF RENIN ANGIOTENSIN SYSTEM FOR DRUG DEVELOPMENT IN AGE RELATED SARCOPENIA**

- Inhibition of the renin angiotensin system and physical performance
  Marco Pahor, MD Institute on Aging University of Florida, Gainesville FL (USA)
- Insect Steroid Hormones as Human Medicine: Application to Sarcopenia and Muscle Dystrophies
  René Lafont1,2, Pierre Dilda1, Laurence Dinan1 and Stanislas VeilletT1 Biophytis, Sorbonne Université, Paris, France 2 Sorbonne Université, UFR 927, IBPS-BIOSIPE, CNRS, Paris, (France)
- Designing a clinical program for Bio101, a Mas receptor activator to target Age-related sarcopenia
  Waly Dioh3, Cendrine Tourette1 Carole Margalef1, René Lafont2, Philippe Dupont1, Pierre Dilda1, Stanislas Veillet1, Susanna Del Signore2, and Samuel Agus1 Biophytis, Sorbonne Universités, UPMC BC9, Paris, France 3 Sorbonne Universités, UPMC Univ Paris, CNRS - Institut de Biologie Paris Seine (BIOSIPE), Paris, France 4 Bluecompanion ltd, London, (UK)

**1:45/ 2:30**

**SYMPOSIUM 5**

**SPECIAL CONSIDERATIONS OF THE CANCER PATIENT WITH SARCOPENIA AND FRAILTY**

Symposium moderator and affiliations: Bette Caan Dr. PH, Senior Research Scientist Division of Research Kaiser Permanente of Northern California
- The Aging Cancer Patient: Assessing Frailty, Sarcopenia and Accelerated Aging in the Geriatric Oncology Setting
  Grant Williams, Assistant Professor Institute for Cancer Outcomes and Survivorship, University of Alabama at Birmingham
- Maintaining muscle health in cancer survivors: when and how to intervene
  Kristin Campbell Ph.D, Associate Professor, Faculty of Medicine University of British Columbia
- Sarcopenia in oncology: prediction and assessment tools for clinical practice
  Elizabeth Cespedes Feliciano, Research Scientist Division of Research Kaiser Permanente Northern California (USA)

**2:30/2:50**

**KEYNOTE 5**

**BIOMARKERS FOR SARCOPENIA**

Chairman : Matteo Cesari, Milano, (Italy)

Bill Evans, Duke University, Durham, (USA)

**2:50/3:25**

**COFFEE BREAK – POSTERS**

**3:25/3:55**

**PANEL DISCUSSION**

**PANEL DISCUSSION ON DEFINITION FOR SARCOPENIA**

Presentation: Alfonso Cruz Jentoft, Madrid (Spain)
Panel Discussion: Marco Pahor, Gainesville (USA), Yves Rolland, Toulouse (France), Matteo Cesari, Milan (Italy) , Roger Fielding, Boston (USA)

**3:55/4:40**

**SYMPOSIUM 6**

**OSTEOSARCOPENIC OBESITY: ENOUGH EVIDENCE FOR A DISTINCT ENTITY?**

Organized by the European Society for Clinical and Economic Aspects of Osteoporosis, Osteoarthritis and Musculoskeletal Diseases (ESCEO), in collaboration with the WHO Collaborating Center on Public Health Aspects of Musculoskeletal Health and Aging, Liège (Belgium)

Symposium moderator : Islene Araújo de Carvalho, Roger Fielding.

- Welcome and introduction: Jean-Yves Reginster
- Osteosarcopenic obesity: Facts and evidence supporting a distinct entity: Jurgen Bauer
- Osteosarcopenic obesity: Lack of evidence supporting a distinct entity: Alfonso Cruz Jentoft
- Discussion (Leader: René Rizzoli): Islene Araújo de Carvalho, Jurgen Bauer, Olivier Bruyère, Cyrus Cooper, Alfonso Cruz Jentoft, Roger Fielding, Jean-Marc Kaufman, Médéa Locquet, Jean-Yves Reginster
- Conclusion: Cyrus Cooper
ORAL COMMUNICATION 16
COMPARAISON OF HIGH-INTENSITY INTERVAL TRAINING AND MODERATE-INTENSITY CONTINUOUS TRAINING ON PHYSICAL AND FUNCTIONAL CAPACITIES IN OBESE OLDER ADULTS
Aubertin-Leheudre M, Carvalho LP, Gouspillou G Département des Sciences de l’Activité Physique, GRAPA Université du Québec à Montréal, ; Centre de Recherche de l’Institut Universitaire de Gériatricie de Montréal, Université de Montréal, QC, (CA)

ORAL COMMUNICATION 17
FRAILTY AMONG PATIENTS WITH ACUTE MYOCARDIAL INFARCTION
Abdulla A, Damluji, Karen Bandeen-Roche, Daniel E. Forman, Gary Gerstenblith, Jin Huang, Mauro Mosucci, Jon R. Resar, Ravi Varadhan, Jeremy D. Walston, Jodi B Segal Johns Hopkins University Baltimore MD (USA)

ORAL COMMUNICATION 18
CHANGE IN METABOLIC AND INFLAMMATORY BIOMARKERS AFTER A 24-WEEK MULTIMODAL INTERVENTION DESIGNED TO IMPROVE FUNCTIONAL STATUS IN HYPERTENSIVE OLDER ADULTS: A PILOT RANDOMIZED CONTROLLED TRIAL
Liliana C. Baptista, PhD1, Byron C. Jaeger, PhD2, Stephen D. Anton, PhD2, Anthony A. Bavry, MD4, Eileen M. Handberg, PhD, ARNP1, Anna K. Piazza-Gardner, PhD4, Sara A. Harper, PhD2, Lisa M. Roberts, PhD3, Bhanuprasad Sandesara, MD4, Christy S. Carter, PhD2, Thomas W. Buford, PhD2 for the DO-HEALTH investigators

ORAL COMMUNICATION 19
THRESHOLD DEFINITION FOR GRIP STRENGTH TO IDENTIFY RELEVANT WEAKNESS IN SWISS DO-HEALTH PARTICIPANTS
Michael Gagesch, MD1,2, Lauren Abderhalden, PhD2,3, Reto W. Kressig, MD1, Bruno Vellas, MD3, René Rizzoli, MD5, Gregor Freystätter, MD2,3, Heike A. Bischof-Ferrari, MD,DrPh1,2 for the DO-HEALTH investigators

ORAL COMMUNICATION 20
ASSOCIATION BETWEEN NUTRIENT INTAKE, PHYSICAL ACTIVITY AND SARCOPENIA-RELATED GENE-PROMOTOR DNA METHYLATION
Lingxiao He, MS1,2, Praval Khanal, MS1,2, Christopher I Morse, PhD1, Martine Thomis PhD1 (1) Department of Movement Sciences, KU Leuven, Leuven, Belgium (2) Department of Exercise and Sport Science, Manchester Metropolitan University, Crewe, (UK)

ORAL COMMUNICATION 21
USING SOCIALLY ASSISTIVE ROBOTS FOR MONITORING AND PREVENTING PHYSICAL FRAILTY AMONG OLDER ADULTS: A STUDY ON USABILITY AND USER EXPERIENCE
Lex van Velsen1,2, Richelle A.C.M. Olde Keizer1, Mathieu Moncharmont1, Brigitte Riche1, Nadir Ammour3, Gianluca Zia1,5, Hermie Hermens1,2, Aurèlle N'Dja1 and Susanna Del Signore1,2 Roessingh Research and Development, Enschede, the Netherlands (1) University of Twente, Enschede, the Netherlands (2) Sanofi R&D, Paris, France (4) Caretek srl, Torino, Italy (5) BlueCompanion ltd, London, (UK)

ORAL COMMUNICATION 22 • LATE BREAKING NEWS

ORAL COMMUNICATION 23 • LATE BREAKING NEWS

SPRINTT SYMPOSIUM
SARCOPENIA & PHYSICAL FRAILTY IN OLDER PEOPLE: MULTI-COMPONENT TREATMENT STRATEGIES
Symposium moderator: Prof. Roberto Bernabei, Università Cattolica del Sacro Cuore, Roma, (Italy)

NETWORKING RECEPTION IN THE GARDEN OF EDEN ROC: (PRE-REGISTERED ATTENDEES ONLY)
8:00/9:00
BREAKFAST INDUSTRY SYMPOSIUM:
TRENDS IN ANTI-AGING RESEARCH AIMED AT EXTENDING THE HEALTHSPAN
Joshua M. Hare, MD - Co-Founder & Chief Science Officer, Longeveron LLC
Pinchas Cohen, MD - Dean, USC Leonard Davis School of Gerontology
S. Jay Olshansky, Ph.D. School of Public Health University of Illinois at Chicago Division of Epidemiology and Biostatistics

9:00/10:15
SYMPOSIUM 7
GAP BETWEEN THEORY AND PRACTICE: A 360 DEGREE CONSIDERATION OF OPPORTUNITIES REMAINING IN FRAILTY MEASUREMENT
Symposium moderator and affiliations: Karen Bandeen-Roche, PhD
Hurley Dorrier Professor & Chair in Biostatistics Johns Hopkins Bloomberg School of Public Health
• Disparate Assessment of Frailty? A Study to Evaluate Equivalency of Frailty Criterion Behavior across Demographic Subgroups
Karen Bandeen-Roche, PhD. Johns Hopkins Bloomberg School of Public Health
• Derivation of a measure of physiological multisystem dysregulation: Results from WHAS and Health ABC
Alden L. Gross, PhD MHS. Johns Hopkins Bloomberg School of Public Health
• Measuring Frailty Status in Older Adults with Acute Myocardial Infarction in Population-based Studies: Feasibility to Capture Prevalence and Effect Measure Modification
Abdulla Damluji, MD, MPH. Johns Hopkins University

9:10/10:20
CONFERENCE 9
DISTINGUISHING AMONG DYNAPENIA WITHOUT FRAILTY, FRAILTY WITHOUT DYNAPENIA, AND FRAILTY WITH DYNAPENIA: IS IT CLINICALLY RELEVANT?
Paulo H. M. Chaves, MD, PhD, Qi-Li Xue, PhD, Leocadio Rodríguez Mañas, MD, PhD, Karen Bandeen Roche, PhD. (1) Benjamin Leon Center for Geriatric Research and Education, Herbert Wertheim College of Medicine, Florida International University, Miami, FL, USA. (2) Center on Aging and Health, Division of Geriatric Medicine and Gerontology, Johns Hopkins University School of Medicine, Baltimore, MD, USA. (3) Department of Geriatrics, Hospital Universitario de Getafe, Madrid, Spain. (4) Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health, Baltimore, (USA)

10:15/10:45
CONFERENCE 10
IMPROVING MUSCLE, BONE AND MOBILITY IN OLD AGE
Gustavo Duque, MD, PhD, FRACP, FGSA Professor and Chair of Medicine – Western Health Director – Australian Institute For Musculoskeletal Science (AIMSS) President – Australian and New Zealand Society for Sarcopenia and Frailty Research (Australia)
10:45/11:15  COFFEE BREAK – POSTERS

11:15/11:30  CONFERENCE 11
ROLE OF MALNUTRITION IN THE DEVELOPMENT OF FRAILTY AND COST IMPLICATIONS AMONG COMMUNITY-DWELLERS
Leocadio Rodríguez-Mañas MD, PhD - Geriatric Department Fundación de Investigación Biomédica, Hospital Universitario de Getafe, Getafe, Spain Suzette Pereira, PhD- Abbott Nutrition, Columbus, OH, (USA)

11:30/11:45  CONFERENCE 12
FRAILTY AND SARCOPEenia in Latin America. Present and Future.
Clemente Zuniga-Gil, head of the geriatric department at Tijuana’s general hospital. Universidad Autonoma de Baja California, (Mexico)

11:45/12:00  CONFERENCE 13
PREDICTING FIRST TIME INJURIOUS FALLS IN OLDER MEN AND WOMEN LIVING IN THE COMMUNITY – THE FIF SCREENING TOOL
Stina Ek (1), Debora Rizzuto (1), Amaia Calderon Larranaga (1), Erika Frantzén (2,3), Weili Xu (4), Anna-Karin Welmer (1,2,4,5,6) Aging Research Center (ARC), Department of Neurobiology, Care Sciences and Society, Karolinska Institutet and Stockholm University, Stockholm, Sweden (2) Division of Physiotherapy, Department of Neurobiology, Care Sciences and Society, Karolinska Institutet, Sweden (3) Allied Health Professionals, Function Area Occupational Therapy & Physiotherapy, Karolinska University Hospital, Stockholm, Sweden (4) Stockholm Gerontology Research Center, (Sweden)

12:00/12:10  ORAL COMMUNICATION 27
NETWORK ANALYSIS OF FRAILTY AND AGING: EMPIRICAL DATA FROM THE MEXICAN HEALTH AND AGING STUDY
Carmen García-Peña, Ricardo Ramírez-Aldana, Lorena Parra-Rodriguez, Juan Carlos Gómez-Verján, Mario Ulises Pérez-Zepeda, Luis Miguel Gutiérrez-Robledo, Instituto Nacional de Geriatria (Mexico)

12:10/12:20  ORAL COMMUNICATION 28
NORMATIVE DATA FOR AND PREDICTORS OF 5-YEAR CHANGE IN GAIT SPEED AMONG U.S. OLDER ADULTS IN THE NATIONAL SOCIAL LIFE, HEALTH AND AGING STUDY.
Huisingh-Scheet M t, Kocherginsky M P, Ferguson M t, Huang E t, Schumm LP t, Waite L t University of Chicago Medicine, Department of Medicine, Section of Geriatrics and Palliative Care Medicine, Chicago, IL t Northwestern University, Department of Preventive Medicine, Chicago, IL t University of Chicago Medicine, Department of Surgery, Section of Thoracic Surgery t University of Chicago Medicine, Department of Medicine, Section of General Medicine, Chicago, IL tUniversity of Chicago, Department of Public Health Sciences, Chicago, IL t University of Chicago, Department of Sociology & NORC (USA)

12:20 – 12:30  Oral Communication 29 • LATE BREAKING NEWS

12:30 – 12:40  Oral Communication 30 • LATE BREAKING NEWS

12:40 – 12:50  Oral Communication 31 • LATE BREAKING NEWS

12:50 – 1:50  LUNCH BREAK – POSTERS

1:50 – 2:35  SYMPOSIUM 8
SELECTION OF RELEVANT OUTCOMES IN SARCOPEnia: A DISCRETE CHOICE EXPERIMENT
Organized by the European Society for Clinical and Economic Aspects of Osteoporosis, Osteoarthritis and Musculoskeletal Diseases (ESCEO), in collaboration with the WHO Collaborating Center on Public Health Aspects of Musculoskeletal Health and Aging, Liège (Belgium)
Symposium moderator: Mickael Hiligsmann, Charlotte Beaudart

• Welcome and introduction: Jean-Yves Reginster
• Identification and prioritization of important outcomes for patients in sarcopenia: Charlotte Beaudart
• Results from the cross-European Discrete Choice Experiment: Mickael Hiligsmann

• Discussion (Leader: Fanny Buckinx): Islene Araujo de Carvalho, Jürgen Bauer, Charlotte Beaudart, Olivier Bruyère, Cyrus Cooper, Alfonso Cruz-Jentoft, Mickaël Hiligsmann, Jean-Marc Kaufman, Jean-Yves Reginster, René Rizzoli.

Conclusion: Olivier Bruyère

2:35/3:05  PANEL DISCUSSION
A GLOBAL CALL TO ACTION TO IMPROVE CARE FOR OLDER ADULTS WITH FRAGILITY FRACTURES
Jay Magaziner on behalf the Fragility Fracture Network

3:05/3:15  Oral Communication 32 • LATE BREAKING NEWS
COFFEE BREAK – POSTERS

3:45/3:55

ORAL COMMUNICATION 33
BIOMARKERS OF SARCOPENIA IN VERY OLD PATIENTS WITH HIP FRACTURE
Alfonso-José Cruz-Jentoft MD, PhD, Carmen Sánchez-Castellano MD, PhD, Paloma Bermejo-Bescós PhD, María-Nieves Vaquero Pinto (1), Carmen Miret-Corchado (1), Sagrario Martín-Aragón PhD.
(1) Geriatrics Department, Hospital Universitario Ramón y Cajal, IRyCIS, Madrid, Spain. (2) Facultad de Farmacia, Universidad Complutense de Madrid, (Spain)

3:55/4:05

ORAL COMMUNICATION 34
SARCOPENIC OBESITY IN ASIAN POPULATIONS: INFLUENCE OF OBESITY DEFINITIONS ON PREVALENCE AND PHYSICAL PERFORMANCE
Ezra Qi-En Khor; Jun-Pei Lim, MBBS, MRCP (UK), MMed (Int Med)(2,3); Laura Tay, MBBS, MRCP (UK), MMed (Int Med), MCI; Audrey Yeo, BMSc; Suzanne Yew, BSN; Yew-Yoong Ding, MBBS, FAMS, FRCP (Edin), PhD(2,3); Wee-Shiong Lim, MBBS, MRCP (UK), MMed (Int Med), MPH, AGSF, FAMS(2,3)
(1) Lee Kong Chian School of Medicine, Singapore (2) Department of Geriatric Medicine, Tan Tock Seng Hospital, Singapore (3) Institute of Geriatrics and Active Ageing, Tan Tock Seng Hospital, Singapore (4) Department of General Medicine (Geriatric Medicine), Sengkang Hospital. (Singapore)

4:05/4:15

ORAL COMMUNICATION 35
UREMIC MYOPATHY: DYNAPENIA, DIABESITY-ASSOCIATED SARCOPENIA & PHYSICAL FRAILTY IN DISGUISE?
David R. Sinacore PT, PhD, FAPTA(1), Daniel C. Bittel PT, PhD, DPT(2), Adam J. Bittel PT, PhD, DPT(2)
(1) Department of Physical Therapy, High Point University, High Point NC, USA. (2) Center for Genetic Medicine Research, Children’s National Medical Center, Washington DC, (USA)

4:15/4:25

ORAL COMMUNICATION 36
MUSCLE MASS IS MAINTAINED AND BODY FAT REDUCED WITH EXERCISE IN OLDER PEOPLE AGING WITH HIV
Catherine M. Jankowski, PhD, Melissa P. Wilson, MS, Todd T. Brown, MD, PhD, Samantha MaWhinney, ScD, Kristine M. Erlandson, MD - University of Colorado College of Nursing Aurora Colorado (USA)

4:25/4:35

Oral Communication 37 • LATE BREAKING NEWS

4:35/4:45

Oral Communication 38 • LATE BREAKING NEWS

4:45/4:55

Oral Communication 39 • LATE BREAKING NEWS

END OF ICFSR
BIOLOGY OF FRAILTY AND AGING

P 1 • Circulating skeletal muscle size, composition, Contractile Function, and Physical Performance in Mobility-Limited Older Adults
Brittany B. Burnett MS1, Gregory J. Gravici PhD1,2, Davis A. England MD1, Christina Liu MD1, Thomas G. Travison PhD3,4, Abrand M. Wohlgemuth MD1, Roger A. Fielding PhD3 (1) Faculty of Health Sciences, University of Southampton; (2) School of Medicine, University of California, Davis; (3) Department of Medicine, University of Washington; (4) School of Public Health, University of California, Berkeley

P 2 • Sarcomere is associated with widespread changes in the muscle methylome
Ele-Antoun 1, Emma Garnett 1, Alicia Baccaynska 1, Sheila J Barton3, Philip Tizcon 1, Mark-A Burton 1, Leo Westbury3, Sarah Shaw3, Richard Dodd3,5, Holly E Syddall3, Helen C Ricketts2,6, Avan A Sayer 4,5, Cyrus Cooper 3,6, Hannah P Parfitt2,3,6, Karen A Lillicrap3,6,7,7, Joint senior authors, Human Development and Health Academic Unit, Faculty of Medicine, University of Southampton, UK; 2,3Academic Geriatric Medicine and Faculty of Medicine, University of Southampton; 4,5 Basic Science of Ageing, University of Exeter, UK; 6,7School of Life Sciences, University of Southampton, UK

P 3 • Intramuscular fat inflammation, muscle strength and sedentary time in frail older persons
Leticia G. Gomes Brazil 1,2, 3, Mário Joaquim Cunha 1,2, 3, Nathalia de Cruz Alves MSc1, José Altonel de Carmona PhD2, Karina Phares PhD2, Thiago Neves MSC1, Fernanda Reinholz Almeida dos Santos Pessanha PhD1, Juliana Cristina Lemos dos Santos Marchini PHD1, Tatiane Lopes Pontes MSc1, Juliana Castro MD, PhD1, Neidele Lima MD, PhD1, Edson Ferreira Medeiros, MD1, PhD1 (1) Ribeirão Preto Medical School, University of São Paulo, Ribeirão Preto, SP, Brazil; (2) SouthWest Bahia State University, Jeque, BA, Brazil

P 4 • Searching for biomarkers and risk factors of frailty in older adults - preliminary results from the BioFrail study
Armanda Soto-Garcia-Gómez MD1,2, Filipa Esteres MD1,2, Ana Catarina Sousa MD1,2, Mário Pomposo MD1,2,3,4, Ana Covas GPA1,2,3,4, Vanesa Valdigiesas MD1,2, João Paulo Teixeira MD1,2,3, Solange Costa, MD1,2,8,9, (1)EPIDERM Institute - Instituto da Saúde da Pescadores, Universidade de Lisboa, Portugal; (2)Key Laboratory of Environmental Health Protection, National Institute of Health, Porto, Portugal; (3)BioCERS-UFRJ, University of Beira Interior; Caxiá, Portugal; (4)NUSA, Faculty of Health Sciences, University of Beira Interior, Caxiá, Portugal; (5)SICOC, Department of Chemistry, University of Aveiro, Aveiro, Portugal; (6)Faculty of Health Sciences, University of Beira Interior, Caxiá, Portugal; (7)Research Center in Physical Activity, Health and Leisure (CIAFEL), Faculty of Sports, University of Porto, Porto, Portugal; (8)BIOCOMOSA Group, Area of Psychology, Department of Psychology, University of A Coruña, A Coruña, Spain

P 5 • Aortic pressure wave reflection is associated with muscle strength and mass, but not with gait speed, in older adults
Adriana Kato MD1, PhD1, Salvador J. Iannotti, PhD2, Michael J. Ormsbee, PhD3, Justin Mason PhD4. [1] Department of Kinesiology and Sport Management, Texas Tech University, Lubbock, TX, USA (2) Department of Exercise and Sport Sciences, Washington State University, Pullman, WA, USA (3) Department of Nutrition, Food, and Exercise Sciences, Florida State University, Tallahassee, FL, USA (4) Department of Occupational Therapy, University of Florida, Gainesville, FL (USA)

P 6 • Poor glycemic control in patients with diabetes and prevalence of sarcopenia: The MUSCLES-DM study
Kim Sogoe MD1, PHD1, Yasuharu Tabara, PHD1, Hiroshi Negami, MD1, PHD3, Yasunori Takata, MD, PHD2, Yoshitomo Hiraike, MD, PHD3, Tomo Kawaie, MD, PHD1, Kazuhiko Kasaoka, MD, PHD1, Masahide Fukuda, MD, PHD1, Tomohiro Katsuya, MD, PHD2,9, Haruhiko Osaawa, MD, PHD4, Hiromi Rakugi, MD, PHD11. Department of Geriatric and General Medicine, Osaka University Graduate School of Medicine, Suita, Japan2. Center for Genomic Medicine, Kyoto University Graduate School of Medicine, Kyoto, Japan3. Department of Endocrinology, Metabolism, and Diabetes, Kansai University Faculty of Medicine, Osaka-Sayama, Japan 4. Department of Diabetes and Molecular Genetics, Ehime University Graduate School of Medicine, Toon, Japan 5. Department of Health Promotion Sciences, Division of Health Sciences, Osaka University Graduate School of Medicine, Suita, Japan. 6. Department of Regional Resource Management, Faculty of Collaborative Regional Innovation, Ehime University, Matsuyama, Japan7. Fukuda Clinic, Osaka, Japan, Katsuya Clinic, Amagasaki, Japan, 8. Department of Clinical Gene Therapy, Osaka University Graduate School of Medicine, Suita, Japan

P 7 • Frailty and potential biomarkers of aging
Geerdedh Bhanvata Reddy PhD1, Tattati Shalini M.Sc1, Muduli Sivaprasad M.Sc1, Boinu Naveen Kumar Ph.D2 (1) Department of Biochemistry, National Institute of Nutrition (ICMR), Hyderabad- 500007, India. (2) Department of Statistics, National Institute of Nutrition (ICMR), Hyderabad- 500007, India

BIOMARKERS AND IMAGING

P 8 • Serum creatinine and cystatin C based index can be a screening biomarker for sarcopenia in older population
Sonny Singh MD1, Sumitabhi Singh MD1, Shrikanth Motha MD2, Aparajit Baral Dev MD1, Avnish Chakravorty MD1 (1) Department of Geriatric Medicine, All India Institute of Medical Sciences, Delhi, (India) (2) Department of Internal Medicine, All India Institute of Medical Sciences, Delhi, (India)

P 9 • Identification and Characterization of New Biochemical Markers for Sarcopenia
Hernández Y1, 2, B Cortider1, Labasse A1, Vander Poison 31, C Bouillet4, B Costes1, X Uuster5,1. Artialis Group SA, Giga Tower, Avenue de l’hopital, 4000 Liege, 2. Bone and Cartilage Research Unit, University of Liege, Arthropéde, Institute of Pathology, Sart-Tilman, 4000 Liege, Belgium (1) ARIETTA Groupe, S.A., Tour Giga, Avenue de l’Hopital, 4000 Liege, Belgium (2) Department of Physical Therapy and Rehabilitation, VIVALIA, Princess Paula Hospital, Marche-En-Famenne, Belgium

P 10 • Serum free testosterone levels are positively correlated with skeletal muscle mass in older women over 70 years with Type 2 Diabetes
Mitsuoka Yokabe MD1, PhD1, Sumito Ogasawara MD1, PHD1, Taro Kojima MD1, PhD1, Taisaku Okumura2, Shinya Takiyama2, Yumi Umeda-Kamayama MD, PhD1, Masahiro Akishita MD1, PhD1 1 Department of Geriatric Medicine, Graduate School of Medical Science, The University of Tokyo, Tokyo, Japan 2Mensione Style Care Co., Ltd, Tokyo, Japan

P 11 • Diagnostic validity of biochemical markers for the diagnosis of sarcopenia in adults. Systematic review
Jurna A. Velagapudi, MD1, Chitra G. Desai, MD1, Shruti Choudhury, MD1, 1The Department of Internal Medicine, A. Robert College, Jodhpur, Rajasthan, India 2Department of Clinical Biochemistry and Laboratory Medicine, Bambhra College, Jodhpur, Rajasthan, India

P 12 • Diagnosing sarcopenia at the point of assessing frailty: Prospective integration of functional and opportunistic CT data
Patrick M. Kortebein M.D1, John F. Rocca M.D2, Jennifer M. Suchower M.D2, (1) Bone and Cartilage Research Unit, University of Liege, Arthropédie, Institute of Pathology, Sart-Tilman, 4000 Liege, Belgium (2) Department of Physical Therapy and Rehabilitation, VIVALIA, Princess Paula Hospital, Marche-En-Famenne, Belgium

P 13 • A systematic review of the screening potential of skeletal muscle cells
Antoine Fiorio, PhD student1, Cécile Lambert, PhD1, Christelle Sanchez, PhD1, Ali Mobasher, Pr4,5, Yves Henrotin, Pr1,2,3 (1) Bone and Cartilage Research Unit, Arthropédie, Institute of Pathology, Sart-Tilman, 4000 Liege, Belgium (2) Department of Physical Therapy and Rehabilitation, Princess Paula Hospital, Vivalia, Marche-en-Famenne, Belgium (3) Artialis S.A., Tour Giga, Level 3, Sart-Tilman, Liege, Belgium (4) Department of Regenerative Medicine, State Research Institute Centre for Innovative Medicine, Włocławek, Poland (5) Arthritis Research UK Centre for Sport, Exercise and Osteoarthritis, Queen’s Medical Centre, Nottingham, (UK)

P 14 • Assessment of Visceral Adipose Tissue by MRI and BIA
O’Driscoll University of Erlangen-Nürnberg, Institute of Medical Physics-Alexandra Grimm, University of Erlangen-Nürnberg, Institute of Medical Physics, Erlangen, Germany; Andreas Friedricher, University of Erlangen-Nürnberg, Institute of Medical Physics, Erlangen, Germany; Samir von Stengel, University of Erlangen-Nürnberg, Institute of Medical Physics, Erlangen, Germany; Klaus Engelgau, Institute of Medical Physics, Erlangen, Germany

EPIDEMOLOGY

P 15 • Effects of multimorbidity and frailty on functional disability in individuals aged 80 years or older
F Borim PhD1,2,3,4,5, (1) Epidemiology, Faculty of Medicine, University of Campinas Rua Tессália Vieira de Camargo, 126 – Ciudad Universitaria Zelofino Vas 13003-887 Brazil Campinas São PauloNaely Renata Sarria Picetta - Faculty of Medical Sciences - University of Campinas Arlia Libenoreo Peri - Faculty of Applied Sciences - University of Campinas André Fattori - Faculty of Medical Sciences - University of Campinas Monica Sanchez Yussoda - School of Arts, Science and Humanities (EACH) - University of São Paulo (Brazil)

P 16 • Frailty and Sarcopenia as risk factors for death among Brazilian older adults: a 10 year follow-up
Jaime Gahche1 Mary Weiler2 Mary Beth Arensberg2 Johanna T. Dayer3 1 (National Institutes of Health, Office of Dietary Supplements) 2 Abbott Nutrition Division of Abbott 3 Frances Stein Nutrition Center, Tufts Medical Center and Tufts University Schools of Medicine, Friedman School of Nutrition Science and Policy and Jean Mayer USDA Human Nutrition Research Center on Aging (USA)

P 17 • Prevalence of sarcopenia among prostate cancer patients in Korea
Kim Young Ahn, Yang Joo Lee MD, Min Suk Kang, MD, Joo Hyun Park, MD, PhD, Jong In Lee, MD, PhD (1) Department of Radiation Medicine, Seoul St. Mary’s Hospital, College of Medicine, The Catholic University of Korea (Korea)

ICFSR 2019 • Miami Beach • P POSTERS • Wednesday • February 20, 2019
P 59  •  Prevalence of sarcopenia among healthy ambulatory subjects: the sarcopenia begins from 45 years
Christoph Haage 1, MD, Elena Voorselaar T, MD, Carla Lambert 1, MD, Saskia Kruiskamp 1, Patrick Cher Y, MD, PhD 1 - Institut de médecine et physiologie de la longévité, 4 rue de Galliera, 75116 Paris, France
2 - Service de Médecine Interne 2, Bâtiment IEM, CHU Pitié-Salpêtrière, 47 bd de l’hôpital 75013 Paris, (France)

P 60  •  Prevalence of osteo-sarcopenia and osteo-sarcopenia obesity in healthy ambulatory subjects older than 45 years in France
Christoph Haage 1, MD, Elena Voorselaar T, MD, Carla Lambert 1, MD, Saskia Kruiskamp 1, Patrick Cher Y, MD, PhD 1 - Institut de médecine et physiologie de la longévité, 4 rue de Galliera, 75116 Paris, France
2 - Service de Médecine Interne 2, Bâtiment IEM, CHU Pitié-Salpêtrière, 47 bd de l’hôpital 75013 Paris, (France)

P 62  •  Preserved physical fitness is associated with lower 1-year mortality in frail elderly patients with a severe comorbidity burden
Kåre Trätmann: Department of Physiotherapy, N U Hospital Group, Trollhättan, Sweden - Department of Physiotherapy, N U Hospital, Lärketorgsgatan 46 14730 Sweden TrollhättanM, PhD, RPT, Department of Medical and Health Sciences, Division of Physiotherapy, Linköping University, Linköping, Sweden - Department of Occupational Therapy, Linköping University, Linköping, Sweden

P 63  •  Sarcopenia, obesity, and sarcopenic obesity prevalence and respective body composition in middle-aged women
Edgar Ramos Vera, (1) Maria Socorro Medrano de Mora, (2), Rafaela Andrade do Nascimento, (3), Mariana Carmem Apolonio Vera, (3), Maye Andrade Moreira, (4), Salomão Maria Aires da Cámara, (5), Álvaro Campos Cavalcanti Maciel, (5) - Department of Physiology, Florida International University, Miami, FL, USA - 2 - Health Sciences Center, Federal University of Rio Grande do Norte, Natal, RN, Brazil - 3 - Graduate Program in Physical Therapy, Federal University of Rio Grande do Norte, Natal, RN, Brazil

P 64  •  Association between skeletal muscle mass and arterial stiffness in frailty older people
Nanako Shigeta: Department of Rehabilitation, Faculty of Health Science, Nihon Fukushi University 2, Kikuwa Okada, 3, Taiji Noguchi, Department of Rehabilitation, Faculty of Health Science, Nihon Fukushi University 4, Takahiro Hayashi, Faculty of rehabilitation and care, Seijō University 5, Department of Comprehensive Community Care Systems, Nagoya University Graduate School of Medicine (Japan)

P 65  •  The role of biomechanical impulse analysis (BIA) in identification of sarcopenia. comparison among different classifications
Sara Tagliapietra, PhD, Mo2, Mario, Ponzaccara, MD1, Giovanni Paueri, MD1, Marcello Maggio, MD, PhD2, (1) Dept. of Medicine and Surgery, University of Parma, Parma, Italy (2) Faculty of Elderly Lab, Geriatric Clinic Unit, University-Hospital of Parma, Parma, (Italy)

P 66  •  The assessment of pain in older frail sarcopenic and osteosarcopenic subjects
Longobucco Yani, (1), Taglaferti Sano, (1), Ademil Eskin, (1), Benedetti Chiara, (1), Pessina Michele, (1), Laurenzi Fulvio, (1,2), Maggio Marcello, (1,2), (1) Dept. of Medicine and Surgery, University of Parma, Parma, Italy 2, faculty of medicine, University of Parma, Parma

P 67  •  High Lipid Accumulation Product and low estimated Glucose Disposal Rate indicate increased cardio-metabolic risk and decreased insulin sensitivity in postmenopausal women with sarcopenia
Eleonora Pozzobon, (1) Carla Labruna, (1), Lucio Nepi, (1), Stefania Mariani, (1), Mikako Watanabe, (1), Andrea Lenti, (1), Lorenzo Maria Donnini - Sapienza University, Rome, (Italy)

P 68  •  Association between skeletal muscle mass and arterial stiffness in frailty older people
Nanako Shigeta: Department of Rehabilitation, Faculty of Health Science, Nihon Fukushi University 2, Kikuwa Okada, Nagoya School of Nutritional Sciences, Nagoya University of Arts and Sciences, 3, Taiji Noguchi, Department of Rehabilitation, Faculty of Health Science, Nihon Fukushi University 4, Takahiro Hayashi, Faculty of rehabilitation and care, Seijō University 5, Kyusyu Suzuki, Department of Comprehensive Community Care Systems, Nagoya University Graduate School of Medicine (Japan)

P 69  •  Sarcopenia and Related Factors in Hospitalized Patients
O Yilmaz, Istanbul University Istanbul Medical Faculty Internal Medicine Department Geriatrics Division İstanbul University Istanbul Medical Faculty, Istanbul, (Turkey)

P 70  •  Comparing SARC-F with SARC-CalF to screen sarcopenia in community living older adults
6 Divisions, Istanbul University Istanbul Medical Faculty Internal Medicine Department Geriatrics DivisionMeryem - Mener Oren(1),3,Gülsen Yılmaz (1),4,Chân Kikilıç (5),Suda Aydereli(2)6,Mehmet Akif Karan(1) - Istanbul University Istanbul Medical Faculty Internal Medicine Department Geriatrics Division, Istanbul, (Turkey)

P 71  •  Performance of SARC-F in regard to Sarcopenia Definitions, Muscle Mass and Functional Measures
Gülçin Bahadır(1), Istanbul University Istanbul Medical Faculty Internal Medicine Department Geriatrics Division, Istanbul, (Turkey)

P 72  •  Nutritional status, sarcopenia and physical performance in nursing-home resident - Prevalence relationships
G Caurier(1), L Cassen(1), Care science and Society, Karolinska Institute, Stockholm, Sweden 1,2 Helena Grönlund, Phys thee, PO4S5, Erika Franzen, Phys thee, PO31,3, Alle Seiger MD, PO1,7, Sofia Wilkström, Occup thee, PO1,6, Anders Wimo, MD1, PO1,7, Anne Marie Bostrom RN, PO1,3,8, Tommy Cederholm, MD, PhD (1) Department of Neurobiology, Care science and Society, Karolinska Institute, Stockholm, Sweden, (2) Division of clinical genetics, (3) Stockholm University R&D unit, Stockholm, Sweden, (4) Karolinska University Hospital, Stockholm, Sweden, (5) Division of physiotherapy, (6) Division of Occupational Therapy, (7) Division of neurogenetics, (8) Division of nursing, Department of Public Health and Caring Sciences, Division of Clinical Nutrition and Metabolism and Division of Geriatrics, Uppsala University, Uppsala, Sweden

ANIMAL MODELS
P 73  •  MBNL1-associated mitochondrial dysfunction and apoptosis in C2C12 myotubes and mouse skeletal muscle
Shingo Yokoyama, PhD1, Yoshitaka Ohno, PhD1, Tatsuura Egawa, PhD2,3, Ayane Nakamura, MS2, Katsumasa Goto, PhD2 (1) Laboratory of Physiology, School of Health Science, Toyohashi SOZO University, Toyohashi, Japan (2) Faculty of Medicine, Graduate School of Science, Toyohashi SOZO University, Toyohashi, Japan (3) Laboratory of Sports and Exercise Medicine, Graduate School of Human and Environmental Studies, Kyoto University, Kyoto, (Japan)

P 74  •  Long-lasting fatty acids and inflammatory markers co-accumulate in skeletal muscle of sarcopenic old rats
M Nourbakhsh, Thea Laurentius, L Cornelius Bollheimer Uniklinik RWTH Aachen Pauwelsstr. 30 (Germany)

NUTRITION AND AGING
P 75  •  The influence of midlife weight change on cognitive impairment in old age: The Singapore Chinese Health Study
Woon-Puay Koh, Mohammad Talaei Health Services and System Research, Duke-NUS Medical School, (Singapore)

P 76  •  Vitamin D in relation to incident sarcopenia and changes in muscle parameters among older adults: the KORA-Age study
Romy Conzel, (1), Eva Grill 2, (2), Heike A. Blischof-Ferrari, (3), Uta Ferrari, (4), Alexander Horns, (5), Wolfgang Köng (6, 7, 8), Annette Peters (1) and Barbara Thanos (1) (1) Helmholtz Zentrum München, German Research Center for Environmental Health (GmbH), Institute of Epidemiology, (2) Department of Medical Information Processing, Biometrics and Epidemiology, Ludwig Maximilian University of Munich, Munich, (3) Centre on Ageing and Mobility, University of Zurich and City Care Hospital, Zurich, (4) Department of Medicine IV, University Hospital, Ludwig Maximilian University of Munich, Munich, (5) Department of Computer Science, UTH - The Arctic University of Norway, Tromsø, (6) Heart Centre Munich, Technical University of Munich, Munich, (7) DZMK (German Centre for Cardiovascular Research), Partner Site Munich Heart Alliance, Munich, (8) Ulm Medical Center, Department of Internal Medicine II – Cardiology, University Hospital Ulm, Ulm (Germany)

P 77  •  Association of nutrients intake and sarcopenia in Brazilian older people
L Campelo De Campos - Applied Sciences - University of Campos - Glauciele M. Siva: College of Applied Sciences-University of Campos Larissa M. Hara: College of Applied Sciences-University of Campos Carolina N. Freire: College of Applied Sciences – University of Campinas (Brazil)

P 78  •  The role of Biological Sex on Nutritional Habits and Muscular Health among Middle-Aged, Healthy Adults
Kara Baumert MS, CCS1, Christopher Kotasisky MS, CCS1, Nathan Dicks MS, CCS1, TSCF1, Babie Sawyer MS, RDT1, Steven Mitchell MD1, 2, Sherry Stasny PhD, R0, CSSD, U1R0, and Kyle Hackney, PhD, CCS1, (1) Department of Health, Nutrition, and Exercise Sciences, North Dakota State University, Fargo, ND, USA (2) Sanford Health, Fargo, ND, USA

P 79  •  The role of nutrition in the development of chronic diseases amongst elderly people
Natalie Prokopciuk, Grand PhD, Institute of Gerontology of National Academy of Medical Sciences, Kyiv, (Ukraine)

P 80  •  Nutritional Therapy, multiprofessional team and nutritional needs
Mota J. P., Amante F., Borba L., Santos M. J.,Kioscu C., Feres F. Magnoni C. D. Sao Paulo (Brazil)

ICF SR 2019 • Miami Beach • P
P 81 • Alcohol and elderly sarcopenia, an underestimated problem
Alejandra Magno1, Waldo Calo2, Annalisa Arcangeli2, Luciana Scaglia2 *Fondazione Richiedei: geriatric acute care unit, alcohol rehab centre Fondazione Richiedei/ reproto geriatria per acuti borgo reale Italy Parma (Italy)

P 82 • How effective is esfen criteria for frailty screening
Ozlem Yagiz1 Astanbul University Istanbul Medical School Department of Internal Medicine Division of Geriatrics Galistan Bahalti/Istanbul University Istanbul Medical School Department of Internal Medicine Division of GeriatricsBaru Ozluk Turkmen/Istanbul University Istanbul Medical School Department of Internal Medicine Division of GeriatricsChin XI/Istanbul University Istanbul Medical School Department of Internal Medicine Division of Geriatrics

P 83 • A study of physical characteristics and nutrition intake status of the prefrail elderly - the Nagoya Longitudinal Study for Healthy Elderly
Chiharu Uno1, Kiokado Okada RD, PhD1, Eiji Matsuhashi RD, PhD, Sachio Shitsue RD, MD2, Hiroshi Shimokata MD, PhD2, Shohe Satake MD, PhD3, Masafumi Kazuya MD, PhD4, S. Duke of Biostatistics Johns Hopkins Bloomberg School of Public Health Baltimore, MD, (USA )

P 84 • Dietary intake of various food groups and nutrients associated with frailty
Jatiti Chalita MSc1, Boipelo Naveen Kumar Prad2, Gangpangthu Madawar MSc2, Geerredry Bhupnaksrah Reddy PhD1 (1) Department of Biochemistry, National Institute of Nutrition (ICMR), Hyderabad-500007, Telangana, India. (2) Department of Statistics, National Institute of Nutrition (ICMR), Hyderabad-500007, Telangana, India. (3) Department of Community Studies, National Institute of Nutrition (ICMR), Hyderabad-500007, Telangana, India

P 85 • Food intake, nutritional status, and activity of life and quality in older adults: findings in the Power Meals trial
Markku Luukkonen PhD1 (presenting author), Susanna Kunk2, MSc2, Petra Rautakallo-Jarvinen2, Terttu Nordmark2, MSc2, Joeri Lionep3, PhD1, Marianne Nordblom3, MSc2, Harri Siivees4, PhD1, Merja Suuninen3, PhD1 (1) Tampere University Hospital (TUH); (2) Turku Interdisciplinary Aging Research (TIA); (3) Hessel Food Services Oy. Finland (4) UHK Institute, Finland (5) Society for Gerontological Nutrition in Finland (6) University of Helsinki, Finland

P 86 • Dietary Inflammatory Index is differently associated with ectopic fat deposits in overweight and obese adults
Eleonora Poggio1, Carla Laveno1, Federica Lai1, James R. Heber2, Nitin Shivappr3, Michele Di Maria4, Lucia Gruss1, Stefania Marian1, Andrea Lensi1, Lorenzo Maria Donini1 1 Department of Experimental Medicine, Sapienza University, Rome, Italy 2 University of South Carolina, Columbia, South Carolina, United States. 3 Department of Radiological Sciences, Sapienza University, Rome, Italy

P 87 • Sarcopenic obesity and functional limitations in older Chileans
Cecilia Abah1, Carlos Marquez1, Lydia Lena1, Barbara Angel1, Maria Yvoria2, RITA universidad de Chile – (Chile)

NUTRITION INTERVENTION

P 88 • Impact of nutrition guidelines on the dietary behaviour of the elderly in West of Nigeria
Jerome Ajibola Hlama1, Prof Emise Dicks2, Prof Jeanette Kearney3, Dr Lola Otioloba (Nigeria)

P 89 • Vitamin D supplementation and osteoporosis control
Eduardo Valdes1, FA, Clara Vieitez, Karina Ortega, Israel Yamme, MD, MPH, MD, Māria Helou, MD, Stéphane Walsard, PhD a Department of Dietétique et de Nutrition, Hôpital Saint-Charles, Beirut, Lebanon ANNA, UMR 1019, UCN, CNRS-U Agency, Clermont-Ferrand, France Clermont Université, Université d’Auvergne, Unité de Nutrition Humaine, France CCHU Clermont-Ferrand, Service de Nutrition Clínique, 63000 Clermont-Ferrand, France D w Department of Orthopedic Surgery, Lebanon American University-Risk Hospital, Beirut, Lebanon - Center for Evidence-based Anatomy, Sports & Orthopedic Research, Jâdida, Lebanon. e Department of Medicine, School of Medicine, Lebanon American University, Beirut, Lebanon

P 90 • Effects of individualized per meal protein nutrition prescription, nutrition education, and tele-diet coaching on dietary protein intake and physical function in economically disadvantaged older adults
Sareen Goppy1, Mauda Exantus1, Kelley Jackson1, Seana Reid1, Shane Spies2, Melody Romano3, Deborah D’Avolio1, Andra Opulinski1, Ruth Tagpen1, 1 & Edkar Ramos Verde (4) (1) Christine E Lynn College of Nursing, Florida Atlantic University, Boca Raton, FL, USA (2) Medical School, St. George’s University, Grenada, West Indies (3) Charles E Schmidt College of Science, Florida Atlantic University, Boca Raton, FL, USA Department of Physical Therapy, Florida International University, Miami, (FLA)

P 91 • Effects of nutritional supplementation (symbiotics or glutamine) on the systemic inflammation and some consequences on body composition in elderly: a randomized clinical trial
Marcus Vinicius LQ Guerreiro, MSc (1,2), João Valentin Neto, MSc (1,2), Camila Maria de Melo, PhD (2), Sandra MB Ribeiro, PhD (1,2) (School of Public Health, University of São Paulo, SP, Brazil), 2 Federal University of Lavras, MG, Brazil, 3 School of Arts, Sciences and Humanities- University of São Paulo, SP, (Brazil)

P 92 • nutritional treatment as a tool prediction of mortality in intensive therapy unit
Ana Margarida Nascimento Gomes Farias, Ana Paula Aparecida Rodrigues Assunção, Fabiana Ferreira da Silva, Camilla Regina Leite de Campos, Isabel Cardoso Pimentel, Maria José dos Santos, Fausto Feres, Carlos Daniel Magnino Sao Paulo (Brazil)

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P 93 • Associations between frailty and oral health: findings from the Concord Health and Ageing in Men Project (CHAMP)
Eduardo Valdes1, FA, Clara Vieitez, Karina Ortega, Israel Yamme, MD, MPH, MD, Māria Helou, MD, Stéphane Walsard, PhD a Department of Dietétique et de Nutrition, Hôpital Saint-Charles, Beirut, Lebanon ANNA, UMR 1019, UCN, CNRS-U Agency, Clermont-Ferrand, France Clermont Université, Université d’Auvergne, Unité de Nutrition Humaine, France CCHU Clermont-Ferrand, Service de Nutrition Clínique, 63000 Clermont-Ferrand, France D w Department of Orthopedic Surgery, Lebanon American University-Risk Hospital, Beirut, Lebanon - Center for Evidence-based Anatomy, Sports & Orthopedic Research, Jâdida, Lebanon. e Department of Medicine, School of Medicine, Lebanon American University, Beirut, Lebanon

P 94 • The relationship between physical frailty and depressive symptoms in community-dwelling older adults: the mediating and moderating role of social support
Yao Jin MSc1, Culli Wang PhD2, Huexin Si MSc1, Xiaoyu Tian MSc1, Xiaoxia Qiao PhD2, Xinyu Li MSc1 1 School of Nursing, Shandong University, Jinan, China 2 School of Nursing, Peking University, Beijing, China

P 95 • The association between frailty and medication adherence among community-dwelling older patients with chronic diseases: medication beliefs acting as mediators
Xiaoxia Qiao PhD1, Culli Wang PhD1, Xiaoyu Tian MSc2, Yao Jin MSc2, Huexin Si MSc2, Xinyu Li MSc1 1 School of Nursing, Peking University, Beijing, China 2 School of Nursing, Shandong University, Jinan, China

P 96 • 30-Day Readmission Diagnoses in Older Adults Previously Admitted for a Diagnosis of Sepsis
Alison Koh2, Angelina Avedillo MD1, Gabriela Engstrom PhD1, Bernardo Reyes MD1, Joseph Osulander MD1 (1) Charles E. Schmidt College of Medicine at Florida Atlantic University, Boca Raton, FL, USA

P 97 • Associations of 30 Day Readmissions Following Hip Fractures in Patients 75 and Older
Angela Ruch2, Stacey Fossey2, Karen Alston, Gabriela Engstrom, PhD1, Bernardo Reyes, PhD1, Joseph Osulander, MD1 Florida Atlantic University, Schmidt College of Medicine, Boca Raton, FL, USA

P 98 • Co-existence of Physical Frailty and Sarcopenia is Associated with Poor Functional Fitness and Adverse Health Outcomes in Community-Dwelling Older Adults
Tay Lung MRCP1, Tay Ling MS2, Latif Aisyah BSc3, Mah Shi Min MSc2, Abu Bakar Huda BSc1, Ng Yee Sien FRCP4 1. Department of Geriatric Medicine, Sengkang General Medicine. Singapore 2. Department of Physiotherapy, Sengkang General Hospital. Singapore 3. Office of Regional Health System. Singapore Health. Singapore 4. Department of Rehabilitation Medicine, Singapore General Hospital. Singapore

P 99 • Visual Impairment and Frailty: An important, yet understudied relationship
Brenna J. Swenson1, Moon Jeong Lee1, Jung Tang2, Yoshimi Vardarajan1, Karen Bandeen-Roche2 (1) Department of Ophthalmology, Johns Hopkins School of Medicine Wilmer Baltimore, (2) Department of Biostatistics Johns Hopkins Bloomberg School of Public Health Baltimore, MD, (USA)

P 100 • Community nursing care approaches based on activities of community-dwelling senior couples living independently at home
Pingxing Zhang Saitama Prefectural University, (Japan)

P 101 • Frailty was predictive of death after discharge from the emergency service: a 6-month prospective study from a middle-income country
Gabriela Viana Anri de Almeida1, Carla Fernanda de Vasconcellos Românin1, Itamar Gomes Caldas1, Nadia Tomin Antunes Yoshitake2, Lu Batoglini3, Matteo Cesari2, Ivan Aprahamian1 (1) Group of Investigation on Multimorbidity and Mental Health in Aging (GiIMMA), Department of Internal Medicine, Faculty of Medicine of Jundiaí 2) "Fondsation (IRCCS) Ca’ Granda - Ospedale Maggiore Policlinico”, University of Milan (Italy)

P 102 • Non-motor characteristics but not motor signs of Parkinson’s disease were associated with frailty
Richard Murdock Montgomery (1), Matteo Cesari (2), Ivan Aprahamian (1) (1) Group of Investigation on Multimorbidity and Mental Health in Aging (GiIMMA), Department of Internal Medicine, Faculty of Medicine of Jundiaí (2) "Fondsation (IRCCS) Ca’ Granda - Ospedale Maggiore Policlinico”, University of Milan (Italy)

P 103 • Selective serotonin receptor inhibitor monotherapy was associated with frailty and falls in a clinic cohort of older adults from a middle-income country
Ivan Aprahamian1, Saurika Mor Lim1, Aliaser Silva Santos de Siqueira1, Marina Maria Bello2, Matteo Cesari2, Wilson Jacob-Filho1 (1) Geriatrics Division, Faculty of Medicine, University of São Paulo (2) "Fondsation (IRCCS) Ca’ Granda - Ospedale Maggiore Policlinico”, University of Milan (Italy)

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P 104  • Relationship between Immune Cell Profiles and Frailty in Patients with Breast Cancer receiving Chemotherapy

Nikolaos Gilmore, PhD1, Mostafa Mohamed, MBChat1, MS2, Lianlian Lei MSc1, Allison Magnuson MD1, Ronald Maggiore MD1, Supriya Mohile MD1, MS3, Mary Ontko, RN2, Jerry Mitchell, MD2, Kelley Young, MD4, Michelle Janetsos, PhD, MPH1. (1) University of Rochester Medical Center, Rochester, NY, USA (2) - Dayton Clinical Oncology Program, Dayton, OH, USA (3) - Columbus NCOARP, Columbus, OH, USA (4) - Kansas City NCOARP, Prairie Village, KS, USA

P 105  • Detecting the features of frailty criteria by comparing with comprehensive geriatric assessment via linking to the International Classification of Functioning, Disability and Health (ICF)

Naoki Taniki MD1, Yuki Ohashi PhD1, R2, Aiko Ishikawa MD, PhD1, Aiko Ozaki PhD1, RN3, Mitsuyuki Nakao PhD4, Hiroaki Arai MD, PhD1. 1. Department of Geriatrics and Gerontology, Institute of Development, Aging and Cancer, Tohoku University 2. Rakuwakai Rehabilitation Hospital 3. Department of Gerontological and Home Healthcare Nursing, Division of Health Sciences, Graduate School of Medicine, Tohoku University 4. Laboratory of Biomodeling, Department of Applied Information Science, Graduate School of Information Science, Tohoku University (Japan)

P 106  • Association of low serum 25-hydroxyvitamin D levels with the frailty syndrome in elderly population at Colima, Mexico

Eliast-Merino Karla Camaron1, Canaozo-Peila Karla Bevencio2, Trujillo-Hernandez Benjamin3, Aguilar-Manzella Celina Cecilia4, Pablo-Garcia-Alejandro4, Santillan-Luna Deyanira4, Rodriguez-Pedraza Karina4, Trujillo-Magallan Mariana4, Ramirez-Castellar Lizeth Estelania4, Cervantes-Santa Cruz Perla Guillermina1. 1. Second year student of Master in Medical Sciences, Faculty of Medicine, Universidad de Colima, Mexico. 2. Full time professor, Faculty of Medicine, Universidad de Colima, Mexico. 3. Full time professor, Faculty of Medicine, Universidad de Colima, Mexico. 4. Fifth year medical student, Faculty of Medicine, Universidad de Colima, Mexico

P 107  • Appropriateness of new-oral anticoagulant dose adjustment in older adults

Tatjana Erbkaion1, Onur Erdogan2, Gülsüm Bahat Öztürk1, Mehran-Ali Kavarn1. Tübiatn University, Istanbul Medical School, Department of Internal Medicine, Division of Geriatrics, Istanbul, Turkey 2. Zirplsten State Hospital, Department of Cardiology, Istanbul, Turkey

P 108  • Detecting the features of frailty criteria by comparing with comprehensive geriatric assessment via linking to the International Classification of Functioning, Disability and Health (ICF)

Naoki Taniki MD1, PhD1, Yuki Ohashi PhD1, RN2, Aiko Ishikawa MD, PhD1, Aiko Ozaki PhD1, RN3, Mitsuyuki Nakao PhD4, Hiroaki Arai MD, PhD1. Tohoku university hospital 4-1 Seiryo-machi, Aoba-ku, Sendai city Miyagi (Japan)

P 109  • Characteristics of lifestyles of the frailty prevention among community-dwelling elderly women of positive attitude toward health promotion activities

Mankm Zendo (Saitama Prefectural University) Osamu Fujinawa (Fukuoka Health Science University), Koji Sugano(Juntendo Tokyo Koto Geriatric Medical Center), Ryo Kubota (Saitama Prefectural University), Toyo Kikumoto (Saitama Prefectural University), Nonomi Nakamura-Thomas (Saitama Prefectural University), Hisako Kohara(Univerrsity of Kochi), Yoko Monkiyagi(Tanagata University), Hajime Toda(Katsuyama University) (Japan)

P 110  • Community Based Dual Task Interventions to Reduce the Prevalence of Frailty: Findings from a HAPPY Program

Roehma A Merchant (Yong Loo Lin School of Medicine, National University of Singapore, Singapore) Matthew Chen (National University Hospital, Singapore) Sareen SANDRASAGER (National University Hospital, Singapore) Tan Meng Mooy (Agency of Integrated Care) Chris Tsai Tung (National University Hospital, Singapore)

P 111  • Diabetes in frail older adults: assessment of glycemic control and prescriptions

Anne Sophie Manoir1, Cécile Mccambriéd2, Amadou Pages2, 1, Charlotte Labbé2, 1, Sandrine Sourdead2, 1, Anne Ginoli1, Bruno Vellas1, 2, Philippe Cestac1, 2 (1) Centre Hospitalier Universitaire de Toulouse, Toulouse, France. (2) Inserm UMR1027, Université de Toulouse III Paul Sabatier, Toulouse, (France)

P 112  • Prevalence of frailty in older adults with Rheumatoid Arthritis

K Bloomfield University of Auckland Level 1, Building 5, North Shore Hospital, Shakespeare Road, Takapuna New Zealand Auckland K Colvine (Waiatarata District Health Board), K Bloomfield (University of Auckland, Waitemata District Health Board), T Xian Zhang (Otago University) (New Zealand)

P 113  • Relationship between predictive risk factors for oropharyngeal dysphagia and dysphagia in cardiovascular disease

Tatiana Magalhães de Almeida Debono-Momo Livís Isabel Ávila Maria José dos Santos Roberta G Silva Fausto Carlos Daniel Magnoni, instituto diante pazzal Eneide de cardiologia constitutor do sousa (Brazil)

P 114  • Screening for sarcopenia: evaluating the performance of different case-finding strategies using SARC-F in combination with muscle strength and performance measures


P 115  • Frailty and its risk factors in Dutch adults who have had childhood cancer

Emma J Vermeulen1, Danielle M. Corbeijn1, Annelenke M. van Halst1, Mary A. van der Heul-Eilbracht1, Annelies Hartman2, Saskia M.F. Pluijm1. 1) Princess Maxima Center for Pediatric Oncology, Utrecht, (2) Department of Pediatric Physiotherapy, Erasmus MC Sophia Children’s Hospital, Rotterdam, (The Netherlands)

P 116  • Impact of frailty on post-operative outcomes of major orthopedic surgery in older Indian

Sumitabh Singh MD1, Prashan Chatterjee MD1, Raghav Bansal MD1 Gevah Chand Deswangan MBBS1, Aparajit Bawul Diw MD1. 1 Department of Geriatric Medicine, All India Institute of Medical Sciences, New Delhi, (India)

P 117  • Prevalence of frailty in elderly patients with Aortic Stenosis included in an Geriatric Assessment Program

Palito F. Solá MD1, Eva M López, MD1, Juan J Solano, MD1, José Gutiérrez, MD, PhD1 (1) Geriatric Department, Área de Gestión Clínica de Geriatria, Hospital Monte Naranjo, Oviedo, Asturias, (Spain)

P 118  • Frailty assessment and its impact on treatment of elderly patients with Aortic Stenosis

Palito F. Solá MD1, Eva M López, MD1, Juan J Solano, MD1, José Gutiérrez, MD, PhD1 (1) Geriatric Department, Área de Gestión Clínica de Geriatria, Hospital Monte Naranjo, Oviedo, Asturias, (Spain)

P 119  • Frailty profiles: an analysis of routinely collected hospital data

Louise Lafontaine PhD1, Joyce Cole2, PhD1, Rhini Simon3, MSc2, Roman Romero-Urresta, MD1, (1) Cambridge Institute of Public Health, University of Cambridge, Cambridge, United Kingdom, (2) Cambridge and Peterborough NHS Foundation Trust, Fulbourn Hospital, Cambridge, United Kingdom, (3) School of Medicine, Trinity College Dublin, Dublin, (UK)

P 120  • Frailty criteria are associated with circadian rest-activity rhythm disturbances in institutionalized older adults

Patricia Vidal de Negreiros Nadrega1, (1) Rafaela Silva dos Santos2, (2) Alvaro Campos Cavalcanti Maccii2, (2) John Fontonele-Araujo1, & Edgar Ramos Verde1. (1) University Center of João Pessoa, João Pessoa, PB, Brazil. 2. Graduate Program in Physical Therapy, Federal University of Rio Grande do Norte, Natal, RN, Brazil 3. Department of Physical Therapy, Florida International University, Miami, FL, USA