

BIOLOGY OF FRAILTY AND AGING

- P 1 • Circulating Interleukin-6 is Associated with Skeletal Muscle Size, Composition, Contractile Function, and Physical Performance in Mobility-Limited Older Adults**
 Brittany B. Barrett MS¹, Gregory J. Grosicki PhD^{1,2}, Davis A. Englund MS¹, Christine Liu MD¹, Thomas G. Trivison PhD³, Tommy Cederholm MD PhD⁴, Thomas Gustafsson MD PhD⁵, Kieran F. Reid PhD¹, Roger A. Fielding PhD¹ (1) Nutrition, Exercise Physiology, and Sarcopenia Laboratory, Jean Mayer USDA Human Nutrition Research Center on Aging, Tufts University, Boston, MA (2) Department of Health Sciences and Kinesiology, Biodynamics and Human Performance Center, Georgia Southern University (Armstrong Campus), Savannah, GA (3) Institute for Aging Research, Hebrew Senior Life, Harvard Medical School, Boston, MA (4) Department of Public Health and Caring Sciences, Clinical Nutrition and Metabolism, Uppsala University, Uppsala, Sweden (5) Division of Clinical Physiology, Department of Laboratory Medicine, Karolinska Institutet, Stockholm, (Sweden)
- P 2 • Sarcopenia is associated with widespread changes in the muscle methylome**
 Elie Antoun¹, Emma Garratt¹, Alicja Baczyńska², Sheila J Barton³, Philip Titcombe³, Mark A Burton¹, Leo Westbury³, Sarah Shaw³, Richard Dodds^{4,5}, Holly E Syddall³, Helen C Roberts^{2,6}, Avan A Sayer^{4,5}, Cyrus Cooper^{3,6}, Harish P Pate^{3,6}, Keith M Godfrey^{3,6}, Karen A Lillycrop^{6,7,8} Joint senior authors, ¹Human Development and Health Academic Unit, Faculty of Medicine, University of Southampton, UK; ²Academic Geriatric Medicine, Faculty of Medicine, University of Southampton; ³MRC Lifecourse Epidemiology Unit, University of Southampton; ⁴AGE Research Group, Institute of Neuroscience, Newcastle University, UK; ⁵NIHR Newcastle Biomedical Research Centre; Newcastle upon Tyne Hospitals NHS Foundation Trust, ⁶NIHR Southampton Biomedical Research Centre, University of Southampton & University Hospital Southampton NHS Foundation Trust, UK; ⁷Biological Sciences, University of Southampton, (UK)
- P 3 • Intramuscular fat infiltration, muscle strength and sedentary time in frail older persons**
 Natália Maira da Cruz Alves MSc¹, José Ailton de Oliveira Carneiro PhD², Karina Pfirmer PhD³, Thiago Neves MSc¹, Fernanda Pinheiro Amador dos Santos Pessanha PhD¹, Juliana Cristina Lemos dos Santos Marchesi PhD¹, Tatiane Lopes Pontes MSc¹, Julio Cesar Moriguti MD, PhD¹, Nereida Lima MD, PhD¹, Eduardo Ferrioli MD, PhD¹ (1) Ribeirão Preto Medical School, University of Sao Paulo, Ribeirão Preto, SP, Brazil. (2) Southwest Bahia State University, Jequié, BA, (Brazil)
- P 4 • Searching for biomarkers and risk factors of frailty in older adults - preliminary results from the BioFrail study**
 Arminda Teixeira-Gomes, MD^{1,2}, Filipa Esteves, MD^{1,2}, Ana Catarina Sousa, MD, PhD^{3,4,5}, M. Ramiro Pastorinho, MD, PhD^{3,4,6}, Iolanda Carvalho, MD, PhD⁷, Vanessa Valdiglesias, MD, PhD^{1,8}, João Paulo Teixeira, MD, PhD^{1,2}, Solange Costa, MD, PhD^{1,2} (1) EPIUnit – Instituto de Saúde Pública da Universidade do Porto, Porto, Portugal; (2) Environmental Health Department, National Institute of Health, Porto, Portugal; (3) CICS-UBI, University of Beira Interior, Covilhã, Portugal; (4) NutESA, Faculty of Health Sciences, University of Beira Interior, Covilhã, Portugal; (5) CICECO, Department of Chemistry, University of Aveiro, Aveiro, Portugal; (6) Faculty of Health Sciences, University of Beira Interior, Covilhã, Portugal; (7) Research Center in Physical Activity, Health and Leisure (CIAFEL), Faculty of Sports, University of Porto, Porto, Portugal; (8) DICOMOSA Group, Area of Psychobiology, 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**
 Arturo Figueroa MD, PhD¹, Salvador J. Jaime, PhD², Michael J. Ormsbee, PhD³, Arun Maharaj, MS¹, Justin Mason PhD⁴ (1) Department of Kinesiology and Sport Management, Texas Tech University, Lubbock, TX, USA (2) Department of Exercise and Sport Science, University of Wisconsin, La Crosse, WI, 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**
 Ken Sugimoto, MD, PhD¹, Yasuharu Tabara, PhD², Hiroshi Ikegami, MD, PhD³, Yasunori Takata, MD, PhD⁴, Yoshihisa Hironome, MD, PhD⁵, Kei Kamide, MD, PhD⁶, Katsuhiko Kohara, MD, PhD⁶, Masahiro Fukuda, MD, PhD⁷, Tomohiro Katsuya, MD, PhD^{8,9}, Haruhiko Osawa, MD, PhD⁸, 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, Kindai University Faculty of Medicine, Osaka-Sayama, Japan⁴, Department of Diabetes and Molecular Genetics, Ehime University Graduate School of Medicine, Toon, Japan⁵, Department of Health Promotion Sciences, Division of Health Sciences, Osaka University Graduate School of Medicine, Suita, Japan⁶, Department of Regional Resource Management, Faculty of Collaborative Regional Innovation, Ehime University, Matsuyama, Japan⁷, Fukuda Clinic, Osaka, Japan⁸, Katsuya Clinic, Amagasaki, Japan⁹, Department of Clinical Gene Therapy, Osaka University Graduate School of Medicine, Suita, (Japan)
- P 7 • Frailty and potential biomarkers of aging**
 Geeredy Bhanuprakash Reddy PhD¹, Tattari Shalini M.Sc¹, Mudili Sivaprasad M.Sc¹, Boiroju Naveen Kumar PhD² (1) Department of Biochemistry, National Institute of Nutrition (ICMR), Hyderabad- 500007, India. (2) Department of Statistics, National Institute of Nutrition (ICMR), Hyderabad, (India)
- P 8 • Iron dyshomeostasis is associated with mitochondrial DNA alterations in skeletal muscle of sedentary high- and low-functioning older people**
 Anna Picca PhD^{1,2}, Riccardo Calvani, PhD^{1,2}, Robert Mankowski, PhD³, Hélio José Coelho-Junior, MSc^{1,4}, Roberto Falco MD^{1,2}, Roberto Bernabei, MD^{1,2}, Christiaan Leeuwenburgh, PhD⁵, and Emanuele Marzetti, MD, PhD^{1,2} (1) Università Cattolica del Sacro Cuore, Teaching Hospital "Agostino Gemelli", Rome, Italy (2) Fondazione Policlinico Universitario A. Gemelli, Rome, Italy (3) Department of Aging and Geriatric Research, Institute on Aging, Division of Biology of Aging, University of Florida, Gainesville, FL, USA (4) University of Campinas, Campinas-SP, (Brazil)
- P 9 • Novel Role of cardiac Troponin T in Skeletal Muscle Aging**
 Xin Feng, MD, PhD¹, Juan Dong, MD², Bo Feng, MD, PhD², Tan Zhang, MD, PhD² (1) Departments of Otolaryngology, Wake Forest School of Medicine, Winston-Salem, NC, 27157 (2) Departments of Internal Medicine, Section on Gerontology and Geriatric Medicine, Wake Forest School of Medicine, Winston-Salem, NC, (USA)

BIOMARKERS AND IMAGING

- P 10 • Serum creatinine and cystatin C based index can be a screening biomarker for sarcopenia in older population**
 Sunny Singhal MD¹, Sumitabh Singh MD¹, Srikanth Mohta MD², Aparajit Ballav Dey MD¹, Avinash Chakrawarty 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 11 • Identification and Characterization of New Biochemical Markers for Sarcopenia**
 Henrotin Y^{1,2,3}, B Cordier¹, Labasse A¹, Vander Poelen S¹, C. Boileau¹, B Costes¹, K Lhote¹, Artialis Group SA, GIGA Tower, Avenue de l'hôpital, 4000 Liège; ² Bone and Cartilage Research Unit, University of Liège, Arthropôle, Institute of Pathology, Sart-Tilman, 4000 Liège, Belgium; ³ Department of Physical Therapy and Rehabilitation, Vivalia, Princess Paola Hospital, Marche-en-Famenne, (Belgium)
- P 12 • Serum free testosterone levels are positively correlated with skeletal muscle mass in older women over 75 years old**
 Mitsutaka Yakabe MD, PhD¹, Sumito Ogawa MD, PhD¹, Taro Kojima MD, PhD¹, Taisaku Okumura², Shinya Takiyama², Yumi Umeda-Kameyama MD, PhD¹, Masahiro Akishita MD, PhD¹ (1) Department of Geriatric medicine, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan (2) Benesse Style Care Co., Ltd., Tokyo, (Japan)
- P 13 • Diagnostic validity of biochemical markers for the diagnosis of sarcopenia in adults. Systematic review**
 Juan C. Galvis R. Dr. Instructor Asociado, Jefe de Posgrado en Medicina de la Actividad Física y el Deporte. Fundación Universitaria de Ciencias de la Salud. Javier A. Velásquez M. Dr. Residente de 3o año, Medicina de la Actividad Física y el Deporte. Fundación Universitaria de Ciencias de la Salud. José F. Camargo V., Medicina de la Actividad Física y el Deporte. Fundación Universitaria de Ciencias de la Salud. (Colombia)
- P 14 • Diagnosing sarcopenia at the point of imaging care: Prospective integration of functional and opportunistic CT data**
 Patrick M. Kortebein MD (1,2), Anahit Petrosyan (2), Praman Fuangfa, MD (2), Lawrence Yao, MD (3), John Brock (2), Leon Lenchik MD (4), Robert D. Boutin MD (2) (1) VA Mather, Sacramento, CA; (2) University of California Davis, School of Medicine, Sacramento, CA; (3) National Institutes of Health (NIH), Bethesda, MD; (4) Wake Forest University School of Medicine, Winston Salem, NC (USA)
- P 15 • A systematic review of the secretome of skeletal muscle cells**
 Antoine Florin, PhD student¹, Cécile Lambert, PhD¹, Christelle Sanchez, PhD¹, Ali Mobasher, PhD^{1,2,3} (1) Bone and Cartilage Research Unit, Arthropôle Liège, University of Liège, CHU Sart-Tilman, Belgium (2) Department of Physical Therapy and Rehabilitation, Princess Paola Hospital, Vivalia, Marche-en-Famenne, Belgium (3) Artialis S.A., Tour Giga, level 3, CHU Sart-Tilman, Liège, Belgium (4) Department of Regenerative Medicine, State Research Institute Centre for Innovative Medicine, Vilnius, Lithuania. (5) Arthritis Research UK Centre for Sport, Exercise and Osteoarthritis, Queen's Medical Centre, Nottingham, (UK)
- P 16 • Assessment of Visceral Adipose Tissue by MRI and BIA**
 O Chaudry University of Erlangen-Nürnberg, Institute of Medical Physics Alexandra Grimm, University of Erlangen-Nürnberg, Institute of Medical Physics, Erlangen, Germany Andreas Friedberger, University of Erlangen-Nürnberg, Institute of Medical Physics, Erlangen, Germany Wolfgang Kemmler, University of Erlangen-Nürnberg, Institute of Medical Physics, Erlangen, Germany Simon von Stengel, University of Erlangen-Nürnberg, Institute of Medical Physics, Erlangen, Germany Klaus Engelke, University of Erlangen-Nürnberg and University Hospital, Department of Medicine 3, Erlangen, (Germany)
- P 17 • On the definition of sarcopenia in the presence of aging and obesity**
 Jennifer Linge, Olof Dahlqvist Leinhard AMRA Medical AB Address: Badhusgatan Linköping (Sweden)

P 18 • Associations of 3-methylhistidine with frailty status in the FRAILOMIC initiative

Bastian Kochlik MSc^{1,2}, *Karine Pérès* PhD³, *Catherine Féart* PhD³, *David Gomez-Cabrero* PhD⁴, *Leocadio Rodriguez-Manas* MD, PhD⁵, *Tilman Grune* MD, PhD^{1,2,6,7}, *Daniela Weber* PhD^{1,2,*} ⁽¹⁾ Department of Molecular Toxicology, German Institute of Human Nutrition Potsdam-Rehbruecke (DIfE), Nuthetal, Germany ⁽²⁾ NutriAct-Competence Cluster Nutrition Research Berlin-Potsdam, Nuthetal, Germany ⁽³⁾ Inserm, Bordeaux Population Health Research Center, UMR 1219, University Bordeaux, 33000 Bordeaux, France ⁽⁴⁾ Unit of Computational Medicine, Karolinska Institutet, Stockholm, Sweden ⁽⁵⁾ Division of Geriatrics, Hospital Universitario de Getafe, Getafe, Spain ⁽⁶⁾ German Center for Diabetes Research (DZD), Munich-Neuherberg, Germany ⁽⁷⁾ German Center for Cardiovascular Research (DZHK), Berlin, Germany ^(*) on behalf of the FRAILOMIC Initiative (Germany)

P 19 • Specific Profiles Of Circulating Mediators Characterize Older Persons With Physical Frailty And Sarcopenia: a multiblock PLS-DA approach

Riccardo Calvani, PhD^{1,2}, *Anna Picca*, PhD^{1,2}, *Federico Marini*, PhD², *Alessandra Biancolillo*, PhD², *Jacopo Gervasoni*, PhD², *Silvia Persichilli*, PhD², *Aniello Primiano*, PhD², *Francesco Landi*, PhD^{1,2}, *Roberto Bernabei*, PhD^{1,2}, *Emanuele Marzetti*, PhD^{1,2} ⁽¹⁾ Università Cattolica del Sacro Cuore, Teaching Hospital "Agostino Gemelli", Rome, Italy ⁽²⁾ Fondazione Policlinico Universitario A. Gemelli, Rome, Italy ⁽³⁾ Department of Chemistry, 'Sapienza' University of Rome, Rome, (Italy)

P 20 • Specific patterns of circulating amino acids characterizes older persons with different types of frailty

Matteo Tosato, MD, PhD^{1,2}, *Riccardo Calvani*, PhD^{1,2}, *Anna Picca*, PhD^{1,2}, *Federico Marini*, PhD², *Alessandra Biancolillo*, PhD², *Jacopo Gervasoni*, PhD², *Silvia Persichilli*, PhD², *Francesco Landi*, MD, PhD^{1,2}, *Roberto Bernabei*, MD, PhD^{1,2}, *Emanuele Marzetti*, MD, PhD^{1,2} ⁽¹⁾ Università Cattolica del Sacro Cuore, Teaching Hospital "Agostino Gemelli", Rome, Italy ⁽²⁾ Fondazione Policlinico Universitario A. Gemelli, Rome, Italy ⁽³⁾ Department of Chemistry, 'Sapienza' University of Rome, Rome, (Italy)

EPIDEMIOLOGY

P 21 • Effects of multimorbidity and frailty on functional disability in individuals aged 80 years or older

F Borim Faculty of Medical Sciences - University of Campinas Rua Tessália Vieira de Camargo, 126 – Cidade Universitária Zeferino Vaz 13083-887 Brazil *Campinas São Paulo* *Naely Renata Saraiva Pivetta* - Faculty of Medical Sciences - University of Campinas Anita Liberalesso Neri - Faculty of Medical Sciences - University of Campinas Ligiana Corona - Faculty of Applied Sciences - University of Campinas *André Fattori* - Faculty of Medical Sciences - University of Campinas *Monica Sanches Yassuda* - School of Arts, Science and Humanities (EACH) - University of São Paulo (Brazil)

P 22 • Frailty and Sarcopenia as risk factors for death among Brazilian older adults: a 10 year follow-up

Jair Lício Ferreira Santos PhD⁽¹⁾, *Yeda Aparecida de Oliveira Duarte* PhD⁽²⁾, *Tiago da Silva Alexandre* PhD⁽³⁾, *Alejandra Andrea Roman Lay*⁽⁴⁾, *Carla Ferreira do Nascimento*⁽⁴⁾ Faculdade de Medicina de Ribeirão Preto - USP Rua J, 510, Condomínio Quinta da Boa Vista Brazil Ribeirao Preto (Brazil)

P 23 • Sarcopenia is associated with functional capacity, falls and depressive symptoms in individuals aged 80 years or older from a middle-income country

F Borim Faculty of Medical Sciences - University of Campinas Rua Tessália Vieira de Camargo, 126 – Cidade Universitária Zeferino Vaz Brazil *Campinas São Paulo* *Juliana Carvalho Segato Marincolo* - Faculty of Medical Sciences - University of Campinas Anita Liberalesso Neri - Faculty of Medical Sciences - University of Campinas *Ivan Aprahamian* - Faculty of Medicine of Jundiá and Faculty of Medicine - University of São Paulo *Samila SathlerTavares Batistoni* - School of Arts, Science and Humanities (EACH) - University of São Paulo *Monica Sanches Yassuda* - School of Arts, Science and Humanities (EACH) - University of São Paulo (Brazil)

P 24 • Evaluating components relevant to risk screening for frailty/malnutrition in US national surveys of older adults

*Jaime Gahche*¹ *Mary Weiler*² *Mary Beth Arensberg*³ *Johanna T. Dwyer*^{1,3} ⁽¹⁾ National Institutes of Health, Office of Dietary Supplements ⁽²⁾ Abbott Nutrition Division of Abbott ⁽³⁾ Frances Stern 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 25 • Prevalence of sarcopenia among prostate cancer patients in Korea

Kyung Eun Nam, MD, *Byung Joo Lee*, MD, *Min Suk Kang*, MD, *Joo Hyun Park*, MD, PhD, *Jong In Lee*, MD, PhD Department of Rehabilitation Medicine, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea (Korea)

P 26 • EWGSOP 2 versus EWGSOP 1: impact on the prevalence of sarcopenia and its outcomes

*Locquet Médéa*¹ *Beaudart Charlotte*¹, *Petermans Jean*², *Reginster Jean-Yves*¹, *Bruyère Olivier*¹ ¹ World Health Organization Collaborating Center for Public Health Aspects of Musculoskeletal Health and Ageing, Department of Public Health, Epidemiology and Health Economics, University of Liège, Belgium. ² Geriatrics Department, CHU of Liège, (Belgium)

P 27 • Determinants and Health Consequences of a Rapid Muscle Health Decline in Older adults from the SarcoPhAge study

*Locquet Médéa*¹, PhD Candidate, *Charlotte Beaudart*¹, PhD, *Jean-Louis Croisier*, PhD^{2,3}, *Jean-Yves Reginster*¹, MD, PhD, *Olivier Bruyère*^{1,3}, PhD¹ - ¹ Department of Public Health, Epidemiology and Health Economics, University of Liège, Liège, Belgium ² - Laboratory of Human Motion Analysis, University of Liège, Liège, Belgium ³ - Department of Rehabilitation and Sport Sciences, University of Liège, Liège, (Belgium)

P 28 • Transfer of nursing home residents to emergency departments : analysis of iatrogeny cases within FINE cohort

Cambon Amandine ^{c2}, *McCabridge Cécile* ^{ac3}, *Cool Charlene* ^{cd4}, *Magre Elodie* ^{ac5}, *Qassem Soraya* ^{ac6}, *Laborde Charlotte* ^{c7}, *Rolland Yves* ^{ad8}, *Perrin Amélie* ^{a9}, *Néda Tavassoli* ^{a10}, *Céline Mathieu* ^{ac} Toulouse University Hospital (France)

P 29 • Aging and health status: Have Chilean people worst health status than Spanish people? Comparative results of DIABDEM Project

*Bozanic A.*¹, *Hidalgo-Liberona N.*², *Formiga F.*³ ⁽¹⁾ PhD⁽²⁾ Medicine and Translational Research, Barcelona University, Barcelona, Spain. ⁽²⁾ PhD(c) Food Science and Nutrition, Barcelona University, Barcelona, Spain. ⁽³⁾ Geriatric Department, Bellvitge University Hospital, Barcelona University, Barcelona, (Spain)

P 30 • Association between sarcopenia and obesity elavuated through four different methods in socially active elderly women

*Valéria Baccarin Ianiski*¹, *Karen Mello de Mattos Margutti*², *Rita Mattiello*³, *Carla Helena Augustin Schwanke*¹ Graduate Program in Biomedical Gerontology, School of Medicine, Pontifical Catholic University of Rio Grande do Sul (PUCRS); ²Nutrition Course, Area of Knowledge of Life Science, University of Caxias do Sul (UCS). ³Graduate Program in Medicine and Health Science, School of Medicine, Pontifical Catholic University of Rio Grande do Sul (PUCRS) (Brazil)

P 31 • Assessment of body composition in elderly adults without undernutrition of an ambulatory rehabilitation unit

Marcela Arias Barredo MD, PhD¹, *Karen Urria LD*², *Pablo Gallardo MD, PhD*³ ⁽¹⁾ Physician Chef, Geriatric Hospital Day, National Institute of Geriatrics, Santiago de Chile, Chile ⁽²⁾ Nutritionist, Geriatric Hospital Day, National Institute of Geriatrics, Santiago de Chile, Chile ⁽³⁾ Executive, National Institute of Geriatrics, Santiago de Chile, (Chile)

P 32 • Social Determinants of Health and Frailty are Associated with All-cause Mortality in Older Adults

Emmanuel González-Bautista, M. en C., ¹ Betty Manrique-Espinoza, D. en C., ^{2*} J. Alberto Ávila-Funes, PhD, ^{4,5} Nirmala Naidoo, PhD, ³ Paul Kowal, PhD, ^{3,6,7} Somnath Chatterji, PhD, ³ Aarón Salinas-Rodríguez, M. en C., ^{2,1} Facultad de Medicina. Universidad Autónoma del Estado de México. Toluca, México. ² Evaluation and Surveys Research Center. National Institute of Public Health, Cuernavaca, Mexico. ³ World Health Organization, Geneva, Switzerland. ⁴ Servicio de Geriatría. Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Ciudad de México, México. ⁵ Univ. Bordeaux, Inserm, Bordeaux Population Health Research Center, UMR 1219, F-33000 Bordeaux, France. ⁶ University of Newcastle, Research Centre for Generational Health and Ageing, Newcastle, Australia. ⁷ Chiang Mai University, Research Institute for Health Sciences, Chiang Mai, (Thailand)

P 33 • Associations between nutrient intakes and sarcopenia in older men: The Concord Health and Ageing in Men Project

Vasant Hirani Arpita Das Nutrition and Dietetics group, School of Life and Environmental Sciences Charles Perkins Centre, University of Sydney, New South Wales, Australia and ARC Centre of Excellence in Population Ageing Research, University of Sydney, New South Wales Australia, Robert G. Cumming School of Public Health, University of Sydney and ARC Centre of Excellence in Population Ageing Research, University of Sydney, New South Wales Australia, Vasi Naganathan Centre of Education and Research on Ageing, University of Sydney and Concord Hospital, New South Wales, Australia, Fiona Blyth Centre of Education and Research on Ageing, University of Sydney and Concord Hospital, New South Wales, Australia, Vasant Hirani Nutrition and Dietetics group, School of Life and Environmental Sciences Charles Perkins Centre, University of Sydney, New South Wales, Australia and ARC Centre of Excellence in Population Ageing Research, University of Sydney, New South Wales (Australia)

P 34 • Frailty and its association with the Mediterranean diet, life space, social participation in Chinese older people

Rick Yiu Cho Kwan Gerontological Nursing, School of Nursing, The Hong Kong Polytechnic University Daphne Sze Ki CHEUNG, Gerontological Nursing, School of Nursing, The Hong Kong Polytechnic University Shirley Ka Lai LO, Gerontological Nursing, School of Nursing, The Hong Kong Polytechnic University Lily Yuen Wah HO, Gerontological Nursing, School of Nursing, The Hong Kong Polytechnic University Patrick Pui Kin KOR, Gerontological Nursing, School of Nursing, The Hong Kong Polytechnic University Justina Yat Wa LIU, Gerontological Nursing, School of Nursing, The Hong Kong Polytechnic University (Hong Kong)

P 35 • Risk factors of frailty in the Costa Rican population

José E. Picado-Ovares ^{1,2} ¹Hospital Nacional de Geriatría y Gerontología, San José, San José Costa Rica. ²Universidad de Costa Rica, San Pedro, San José, (Costa Rica)

P 36 • Consequences of frailty in the older population of Costa Rica

José E. Picado-Ovares ^{1,2} ¹Hospital Nacional de Geriatría y Gerontología, San José, San José Costa Rica. ²Universidad de Costa Rica, San Pedro, San José, (Costa Rica)

P 37 • Sarcopenic obesity is associated with obstructive sleep apnea: a population-based study

Ronaldo D Piovezan ^{1*} *Camila Hirotsu*¹, *Renato Moizinho*¹, *Helton de Sá Souza*¹, *Vania D'Almeida*¹, *Sergio Tufik*¹, *Dalva Poyares*¹ ¹. Department of Psychobiology, Universidade Federal de Sao Paulo, Sao Paulo, (Brazil)

P 38 • Physical Frailty and the Risk of Dementia in a Longitudinal Cohort of Older Adults

Márlon Aliberti MD⁽¹⁾; Irena Cencer, MA⁽²⁾; Kenneth Covinsky, MD, MPH^(2,3)⁽¹⁾ University of Sao Paulo Medical School, Brazil. ⁽²⁾ University of California, San Francisco, US ⁽³⁾ Veterans Affairs Medical Center, San Francisco, (USA)

P 39 • Elderly Brazilian Malnutrition's Deaths Between 2006-2016

Claudia Cipriano Vidal Heluany MD, MSc¹, Gabriela Serafim Keller, MD¹, Luan Pedro Santos Rocha², Isadora Zaniboni², Gabriel Cipriano Vidal Heluany, MD³⁽¹⁾ Geriatric Department, Medicine School, UNESC Universidade do Extremo Sul Catarinense, Criciúma, SC, Brazil ⁽²⁾ Medicine's Student, Medicine School, UNESC Universidade do Extremo Sul Catarinense, Criciúma, SC, Brazil

P 40 • Inflammatory biomarker levels are associated with self-reported major mobility disability: A pooled analysis

Daniel P. Beavers, PhD¹; Todd M. Manini, PhD²; Walter T. Ambrosius, PhD¹; Stephen Kritchevsky, PhD³; Thomas Gill, MD⁴; Stephen Anton, PhD⁵; Mary McDermott, MD⁶; Anne Newman, MD⁶; Russell Tracy, PhD⁷; Abby King, PhD⁸; Roger Fielding, PhD⁹; Marco Pahor, MD² ¹ Department of Biostatistics and Data Science, Division of Public Health Sciences, Wake Forest School of Medicine, Winston-Salem, NC, USA ² Department of Aging and Geriatric Research, College of Medicine, University of Florida, Gainesville, FL, USA ³ Section on Gerontology and Geriatric Medicine, Department of Internal Medicine, Sticht Center for Healthy Aging and Alzheimer's Prevention, Winston-Salem, NC, USA ⁴ Department of Internal Medicine, Yale University School of Medicine, New Haven, CT, USA. ⁵ Department of Medicine, General Internal Medicine and Geriatrics, Feinberg School of Medicine, Northwestern University, Chicago, IL, USA. ⁶ Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA, USA. ⁷ Department of Pathology & Laboratory Medicine, Larner College of Medicine, University of Vermont, Burlington, VT, USA. ⁸ Department of Health Research and Policy, School of Medicine, Stanford University, Palo Alto, CA, USA. ⁹ Nutrition exercise physiology and sarcopenia laboratory, Jean Mayer USDA Human Nutrition Research Center on Aging Tufts University, Boston, MA, (USA)

P 41 • Impact of chronotype and habitual physical activity with sarcopenia

H Park, Dept. of Health Care Science, Dong-A University, Busan, (South Korea)

P 42 • Is Inadequate Health Numeracy Associated with Frailty in Male Older Veterans?

Aakashi Shah^{1,2}, Pravallika Bharatula^{1,2}, Dhanya Baskaran^{1,2}, Juliana Ferri-Guerro^{1,2}, Victor Cevallos^{1,2}, Raquel Aparicio-Ugarriza^{1,2}, and Jorge G. Ruiz^{2,3}⁽¹⁾ Department of Public Health Sciences, University of Miami Miller School of Medicine. ⁽²⁾ Miami VAHS GRECC Veterans Successful Aging for Frail Elders (VSAFE). ⁽³⁾ Department of Medicine, University of Miami Miller School of Medicine (USA)

P 43 • Is Graph Literacy Related to Frailty in Male Older Veterans?

Dhanya Baskaran^{1,2}, Aakashi Shah^{1,2}, Pravallika Bharatula^{1,2}, Douglas Salguero^{1,2}, Victor Cevallos^{1,2}, Raquel Aparicio-Ugarriza^{1,2}, and Jorge G. Ruiz^{2,3}⁽¹⁾ Department of Public Health Sciences, University of Miami Miller School of Medicine. ⁽²⁾ Miami VAHS GRECC Veterans Successful Aging for Frail Elders (VSAFE). ⁽³⁾ Department of Medicine, University of Miami Miller School of Medicine (USA)

P 44 • Association of frailty in the elderly with lower serum cholesterol level and other cardiovascular risk factors

Jong-Hwan Park¹, Hyuntae Park²⁽¹⁾ Institute of Convergence Bio-Health (ICBH), Dong-A University. ⁽²⁾ Department of Health Care and Science, Dong-A University, Busan, (South Korea)

COGNITIVE FRAILTY

P 45 • Frailty as a predictor of cognitive disorders: a systematic review and meta-analysis

Marcus Kiiti Borges⁽¹⁾, Marco Canevelli⁽²⁾, Matteo Cesari⁽³⁾, Ivan Arahamian⁽⁴⁾.¹ Department of Geriatrics and Psychiatry, "Ambulatório de Alterações Comportamentais em Idosos" (ACID), Faculty of Medicine, University of São Paulo (FMUSP), São Paulo, Brazil ² Department of Human Neuroscience, Sapienza University, Rome, Italy ³ "Fondazione (IRCCS) Ca' Granda - Ospedale Maggiore Policlinico", University of Milan, Milan, Italy ⁴ Geriatrics & Psychiatry division, Department of Internal Medicine, Faculty of Medicine of Jundiá, Jundiá, (Brazil)

P 46 • The relationship between frailty and mild cognitive impairment in the elderly: a systematic review

Natália Oiring de Castro Cezar, MS⁽¹⁾, Marcus Kiiti Borges, MD, MS⁽²⁾, Alaise Silva Santos de Siqueira, MS⁽²⁾, Mônica Sanches Yassuda, PhD^(3,4), Matteo Cesari, MD, PhD⁽⁵⁾, Ivan Arahamian, MD, MS, PhD^(2,6) ¹ Department of Physical Therapy, Federal University of São Carlos (UFSCar), São Carlos, SP, Brazil. ² Department and Institute of Psychiatry, Faculty of Medicine, University of São Paulo, São Paulo, Brazil. ³ School of Arts, Sciences and Humanities, University of São Paulo, São Paulo, Brazil. ⁴ Department of Neurology, Faculty of Medicine, University of São Paulo, São Paulo, Brazil. ⁵ "Fondazione (IRCCS) Ca' Granda - Ospedale Maggiore Policlinico", University of Milan, Milan, Italy. ⁶ Department of Internal Medicine, Faculty of Medicine of Jundiá, Jundiá, (Brazil)

P 47 • Cognitive Frailty: results from SABE Colombia Study

Estephania Chacón-Valenzuela^{1,2}, Ely Morros-González^{1,2}, María Paula Vargas-Beltrán^{1,2}, Luis Carlos Venegas-Sanabria^{1,2}, Diego Chavarro-Carvajal^{1,2}, Carlos Alberto Cano-Gutiérrez^{1,2}.¹ Semillero de Neurociencias y Envejecimiento, Aging Institute and Faculty of Medicine, Pontificia Universidad Javeriana, Bogotá, Colombia ² Geriatric Unit, Hospital Universitario San Ignacio and Pontificia Universidad Javeriana, Bogotá, (Colombia)

P 48 • Sex difference of the tendency of food habit of cognitive frail patient and caregiver

Yumi Umeda-Kameyama, Kiyoshi Yamaguchi, Mitsutaka Yakabe, Taro Kojima, Yasuhiro Yamaguchi, Sumito Ogawa, Masahiro Akishita Department of Geriatric Medicine, The University of Tokyo (Japan)

P 49 • Sarcopenia and cognition in the oldest old: data from the FIBRA study in Brazil

Mônica Sanches Yassuda - University of São Paulo, State University of Campinas Gabriela Cabetti Cipolli - University of São Paulo Flávia Arbex Borim - State University of Campinas André Fattori - State University of Campinas Ligiana Pires Corona - State University of Campinas Anita Liberalleso Neri - State University of Campinas Ivan Arahamian - Jundiá Medical School (Brazil)

P 50 • Physical Frailty and Cognitive Functioning in Non-demented Community-dwelling Older Adults: China Comprehensive Geriatric Assessment Study

Lina Ma, Li Zhang, Fei Sun, Yun Li, Zhe Tang Department of Geriatrics, Xuanwu Hospital, Capital Medical University, China National Clinical Research Center for Geriatric Disorders Beijing (China)

P 51 • Could Delirium be a Manifestation of Sympathetic Over-drive?

Elaine Shanahan-University Hospital Limerick, Ireland and Graduate Entry Medical School School, University of Limerick, Ireland Sheila Carew-University Hospital Limerick, Ireland Aine Costelloe-University Hospital Limerick, Ireland Tina Sheehy-University Hospital Limerick, Ireland Catherine Peters-University Hospital Limerick, Ireland Tom Kiernan-University Hospital Limerick, Ireland and Graduate Entry Medical School School, University of Limerick, Ireland Declan Lyons-University Hospital Limerick, Ireland Margaret O'Connor-University Hospital Limerick, Ireland and Graduate Entry Medical School School, University of Limerick, (Ireland)

P 52 • Study of cognitive frailty in a health-seeking population

Meenal Thakral Junior Resident, Pursuing MD, Avinash Chakravarthy MD, Aparajit Ballav Dey MD⁽¹⁾ Department of Geriatric Medicine, AIIMS, (India)

P 53 • Lower Cerebral Volumes in Frail versus Robust Non-Demented Elderly

A Fattori, Faculty of Medical Sciences of Unicamp - Campinas State University Debora Lee Vianna Paulo^{1a}, Camila Vieira de Ligo Teixeira^{2c}, Amanda Veigas Sardelia^{2b}, Amanda Ximenes Reis^{3a}, Maria Fernanda Bottino Roma^{4a}, Heitor Moreno Junior^{5a}, Paula Teixeira Fernandes^{6b}, André Fattori^{7a}.^a Gerontology Program, Faculty of Medical Science, University of Campinas (UNICAMP) ^b Faculty of Physical Education - UNICAMP ^c Neurology Department - UNICAMP (Brazil)

P 54 • Imaging and frailty

Mathieu Maltais, Philippe de Souto Barreto, Yves Rolland & Bruno Vellas Gérontopôle of Toulouse (France)

P 55 • Frailty Mediates Senility in Mexican-Americans

Palmer RF¹, Royall DR^{1,4} Departments of Family & Community Medicine¹, Psychiatry², Medicine³, The University of Texas Health Science Center at San Antonio and the South Texas Veterans Health Administration Geriatric Research Education and Clinical Center (GRECC)(USA)

FUNCTIONAL ASSESSMENT

P 56 • Comparison of diagnostic criteria for identification of sarcopenic obesity in adults with knee osteoarthritis

Kristine Godziuk, PhD Candidate¹, Carla M. Prado, PhD², Linda J. Woodhouse, PhD³, Mary Forhan, PhD⁴⁽¹⁾ Faculty of Rehabilitation Medicine, University of Alberta, Edmonton, Alberta, Canada ⁽²⁾ Department of Agricultural, Food and Nutritional Science, Faculty of Agricultural, Life and Environmental Sciences, University of Alberta, Edmonton, Alberta, Canada ⁽³⁾ Department of Physical Therapy, Faculty of Rehabilitation Medicine, University of Alberta, Edmonton, Alberta, Canada ⁽⁴⁾ Department of Occupational Therapy, Faculty of Rehabilitation Medicine, University of Alberta, Edmonton, Alberta, (Canada)

P 57 • Evaluation of Sleep Disorders and Accompanying Factors Evaluation of Sleep Disorders and Accompanying Factors

Banu Ozulu Turkmen Istanbul University Istanbul Medical School Department of Internal Medicine Division of Geriatrics (Turkey)

P 58 • Functional assessment of the workability, functional decline and frailty in the elderly subjects

Olena Tomarevska MD, PhD, Oleksandr Poliakov MD, PhD Laboratory Occupational-Labor Rehabilitation, Social gerontology and Public Health Department, Institute of Gerontology by D.F. Chebotarev of National Academy of Medical Sciences of Ukraine, Kyiv, (Ukraine)

P 59 • Findings of a Systematic Review of Psychometric Properties for Daily Activities (ADL) Questionnaires for Older Community-Dwelling Persons: A Systematic Review

Marijke Hopman-Rock, PhD MSc MA,¹ Helmi van Hirtum MSc,¹ Paul de Vreede, PhD,² Ellen Freiberger, PD PhD,^{3,1} Research center TNO (Netherlands Organization for Applied Scientific Research) and VU university Medical Center, Leiden/Amsterdam, The Netherlands. ² Department of Public Health, Erasmus MC, University Medical Center Rotterdam, The Netherlands ³ Institute for Biomedicine of Aging, Friedrich-Alexander University Erlangen-Nürnberg, Nuremberg, (Germany)

P 60 • Correlation between clinical questionnaires and gait parameters with foot pressure patterns in patients with knee osteoarthritis

Si-hyun Kim, PT, PhD¹, Kyue-nam Park PT, PhD² ⁽¹⁾ Department of physical therapy, Sangji University, Wonju, South Korea ⁽²⁾ Department of physical therapy, College of Medical Science, Jeonju University, Jeonju, (South Korea)

P 61 • Investigation of the influence of the interaction between skeletal muscle mass and fat mass on muscle strength and performance in Japanese older people

Kiyoshi Tozaki¹, Kamide Naoto^{1,2}, Takuya Maeda³, Tetsuharu Nakazono⁴, Sakamoto MikP, Haruhiko Sato^{1,2}, Yoshitaka Shiba², Naonobu Takahira^{1,2} ⁽¹⁾Graduate School of Medical Sciences, Kitasato University, Japan ⁽²⁾School of Allied Health Science, Kitasato University, Japan ⁽³⁾Department of Rehabilitation, Kitasato University East Hospital, Japan ⁽⁴⁾Department of Rehabilitation, Kitasato University Hospital, (Japan)

P 62 • Life-Space Mobility As a Clinical Marker for Physical Fitness in Community-Dwelling Older Adults: Gender Disparity Observations

Tay EL*, Ng YS*, Latib A*, Mah SM*, Tay L* *Sengkang General Hospital (Singapore)

P 63 • Developing a novel tool for the assessment of physical frailty in older adults with a diagnosis of psychiatric disorder

J Sutton Department of Old Age Psychiatry, King's College London Department of Old Age Psychiatry, IoPPN, King's College London, De Crespigny Park, London United Kingdom London Dr Rebecca Gould, Division of Psychiatry, University College London Professor Robert Howard, Division of Psychiatry, University College London (UK)

P 64 • Exploring how best to conceptualize and measure frailty indicators in the context of psychiatric disorders: Results from two Delphi studies

J Sutton Department of Old Age Psychiatry, King's College London Department of Old Age Psychiatry, IoPPN, King's College London, Box PO70, De Crespigny Park, London SE5 8AF United Kingdom London Dr Rebecca Gould, Division of Psychiatry, University College London Professor Robert Howard, Division of Psychiatry, University College London (UK)

P 65 • Congenital, untreated, severe isolated growth hormone deficiency predisposes or protects against frailty and sarcopenia?

Miburge Bolivar Gois-Junior^{1,2}, Alana Lalucha Guimarães², Giulliani Moreira Brasileiro², Ananda A Santana-Ribeiro², Jansen Atier Estrazulas¹, Cesar Ferreira Amorim¹, Fernanda Gonçalves Civitella¹, Inaê Caroline Gadotti¹, Manuel Herminio Aguiar-Oliveira³, Roberto Salvatori⁴, & Edgar Ramos Vieira¹ ¹ Department of Physical Therapy, Florida International University, Miami, Florida, USA. ² Laboratory of Motor Control and Body Balance, Center for Health Science Research, Federal University of Sergipe, Aracaju, Sergipe, Brazil ³ Division of Endocrinology, Federal University of Sergipe, Aracaju, Sergipe, Brazil. ⁴ Division of Endocrinology, Diabetes and Metabolism, Johns Hopkins University, Baltimore, Maryland, Baltimore, (USA)

P 66 • Remotely captured daily mobility pattern in age-related sarcopenia. A pilot clinical study

Lorenzo Maria Donini¹, Alberto Rainoldi², Eleonora Poggogalle¹, Luca Carlo Feletti³, Gianluca Zia^{3,4} and Susanna Del Signore⁴ ¹ Sapienza University, Rome, Italy ² NeuroMuscularFunction Research group, School of Exercise and Sport Sciences, Department of Medical Sciences - University of Turin, Italy ³ Caretek srl, Torino, Italy ⁴ BlueCompanion Ltd, London, (UK)

P 67 • Functional reserve index determined through balance rehabilitation unit: follow-up of older adults with balance alteration

Marcela Arias Barredo MD, PhD¹, Maria Victoria Figueroa Souper LD², ⁽¹⁾ Physician Chef, Geriatric Hospital Day, National Institute of Geriatrics, Santiago de Chile, Chile ⁽²⁾ Physical therapist, Geriatric Hospital Day, National Institute of Geriatrics, Santiago de Chile, (Chile)

P 68 • How young is your Muscle? Functional Assessment with Ageing

Swati Banerjee^{1,2}, Loubna Imrani^{3,4}, Sofiane Boudaoud^{3,4}, Kiyoka Kinugawa^{1,2,3,1}, Sorbonne University, Paris, France. ² CNRS, UMR 8256 Biological Adaptation and Aging, Sorbonne University, Paris, France. ³ Functional Exploration Unit of older patients, University Hospitals Pitié-Salpêtrière-Charles Foix. DHU FAST, Assistance Publique Hôpitaux de Paris (APHP), Paris, France. ⁴ Laboratoire Biomécanique et Bioingénierie UMR 7338, Université de technologie de Compiègne, Sorbonne Université (France)

P 69 • Accuracy of inertial sensors vs optical motion capture system for analysis of movement - preliminary results

Jansen Atier Estrazulas^{1,2}, Fernanda Gonçalves Civitella¹, Miburge Bolivar Gois-Junior¹, Jorge Carreño¹, Inaê Caroline Gadotti¹, Jaisson Agne Estrázulas² & Edgar Ramos Vieira¹ ¹Department of Physical Therapy, Florida International University, Miami, Florida, USA. ²School of health, Amazonas State University, Manaus, Amazonas, (Brazil)

P 70 • An innovative platform based on wearable sensor to quantify physical frailty phenotypes

He Zhou PhD; Bijan Najafi, PhD Interdisciplinary Consortium on Advanced Motion Performance (iCAMP), Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX, (USA)

P 71 • Prognostic value of a rapid sarcopenia measure in acutely ill older adults

Márlon J. R. Aliberti MD¹; Claudia Szelej, MD PhD²; Kenneth E. Covinsky, MD, MPH^{3,4}; Sei J. Lee, MD, MAS^{3,4}; Wilson Jacob-Filho, MD, PhD¹; Claudia K. Suemoto, MD, PhD, MSc^{1,2}, ⁽¹⁾ Division of Geriatrics, University of Sao Paulo Medical School, Brazil. ⁽²⁾ Center for Clinical and Epidemiological Research, Hospital Universitario, University of Sao Paulo, (Brazil).

P 72 • Physical Function predicts Sarcopenia: Results from a Representative Population-Based Cross-sectional Study in Tonantins, Amazonas

Alex Lima¹, Elvio Gouveia^{2,3,4}, Andreas Ihle^{4,5}, Mathias Kliege^{4,5}, Jansen Estrázulas⁶, Bruna Gouveia^{3,4,7,8}, Adilson Marques^{9,10}, Fátima Baptista^{9,10} ¹Centro Universitário do Norte – Uninorte; ² Department of Physical Education and Sport, University of Madeira, Funchal, Portugal; ³ Madeira Interactive Technologies Institute, Funchal, Portugal; ⁴ Center for the Interdisciplinary Study of Gerontology and Vulnerability, University of Geneva, Switzerland; ⁵ Department of Psychology, University of Geneva, Geneva, Switzerland; ⁶ Department of Physical Therapy, Florida International University, Miami, Florida, USA; ⁷ Health Administration Institute, Secretary of Health of the Autonomous Region of Madeira, Funchal, Portugal; ⁸ Escola Superior de Enfermagem São José de Cluny, Funchal, Portugal; ⁹ Centro Interdisciplinar de Estudo da Performance Humana, Faculdade de Motricidade Humana, Universidade de Lisboa, Lisboa, Portugal; ¹⁰ Centro de Investigação em Saúde Pública, Escola Nacional de Saúde Pública, Universidade Nova de Lisboa, Lisboa, (Portugal)

CLINICAL TRIALS

P 73 • Exercise rehabilitation in older, sarcopenic and frail patients

Ellen Freiberger¹ PD PhD; Monika Siegrist² PhD; Wolfgang Kemmler³ Prof. PhD; Cornel Sieber⁴ Prof. Dr. ¹ Friedrich-Alexander University Erlangen Nuremberg, Institute for Biomedicine of Aging ² Institute for Medical Physics (FAU), ⁴ Hospital Barmherzige Brüder Regensburg (Germany)

P 74 • The FORCE trial: Focus on Reducing Dose-Limiting Toxicities in Colon Cancer with Resistance Exercise (RT): Baseline Functional Status

¹Bette Caan, ²Kathryn H. Schmitz, ³Elizabeth M. Brighton, ³Justin C. Brown, ⁴Kristin L. Campbell, ¹Adrienne Castillo, ¹Elizabeth M. Cespedes Feliciano, ¹Valerie S. Lee, ¹Charles P. Quesenberry, ⁵Sara K. Quinney, ¹Barbara Sternfeld, ²Renate M. Winkels, ³Jeffrey A. Meyerhardt ¹Kaiser Permanente of Northern California, Oakland, CA, ²Penn State Cancer Institute, Penn State College of Medicine, Hershey, PA, ³Dana Farber Cancer Institute, Boston, MA; ⁴University of British Columbia, Vancouver, Canada; ⁵Indiana University School of Medicine, Indianapolis, IN (USA)

P 75 • The effects of aerobic, resistance, and combined training for the management of frailty in older adults with subjective cognitive impairment: A randomized controlled trial

Chi Hsien Huang MD, MSc^{1,2,3,4}, Hiroyuki Umegaki, MD, PhD², Tomoharu Kitada, PhD¹, Aiko Inoue, PhD¹, Taeko Makino, PhD¹, Takahiro Hayashi, PhD¹, Hiroyuki Shimada, PhD⁵, Masafumi Kuzuya, MD, PhD^{1,2} ⁽¹⁾ Institute of Innovation for Future Society, Nagoya University, Nagoya, Japan ⁽²⁾ Department of Community Healthcare and Geriatrics, Graduate School of Medicine, Nagoya University, Nagoya, Japan ⁽³⁾ Department of Family Medicine, E-Da Hospital, I-Shou University, Kaohsiung City, Taiwan ⁽⁴⁾ School of Medicine for International Students, I-Shou University, Kaohsiung City, Taiwan ⁽⁵⁾ Department of Preventive Gerontology, Center for Gerontology and Social Science, National Center for Geriatrics and Gerontology, Obu, (Japan)

CLINICAL TRIALS AND THERAPEUTICS

P 76 • Glutamine supplementation for urinary incontinence: a prospective, randomized controlled, double-blind study

Gulistan Bahat MD⁽¹⁾, Birkan Zhan MD⁽¹⁾, Nalan Capan MD⁽²⁾, Cihan Kilic, Physiotherapist⁽¹⁾, Cenk Yasa MD⁽³⁾, Funda Gungor MD⁽³⁾, Ozlem Persil Ozkan, Dietician⁽⁴⁾, Ayse Karan MD⁽²⁾, Mehmet Akif Karan MD⁽¹⁾
¹Istanbul University, Istanbul Medical School, Department of Internal Medicine, Division of Geriatrics, Istanbul, Turkey; ²Istanbul University, Istanbul Medical School, Department of Physical Medicine and Rehabilitation, Turkey; ³Istanbul University, Istanbul Medical School, Department of Urogynecology, Turkey; ⁴Istanbul Arel University, Nutrition and Dietetics, (Turkey)

P 77 • Design, Methods and baseline characteristics of the Fit-Joint Pilot RCT of A Multi-modal Intervention in Frail Patients with Osteoarthritis

Alexandra Papaioannou MD², Ahmed M Negm MD, MSc, PhD^{1,3}, Courtney C Kennedy PhD¹, George Ioannidis PhD¹, Olga Gajic-Veljanoski PhD¹, Lehana Thabane PhD⁴, Stephanie Atkinson PhD⁵, Mitchell Winemaker MD⁶, Julie Richardson PhD³, Jonathan D Adachi MD², For the Fit Joint Investigators - McMaster University (Canada)

P 78 • Evaluation of safety and efficacy of BIO101, a new investigational drug for Sarcopenia: a double-blind, placebo controlled, randomized clinical trial

Waly D'ioh¹, Cendrine Tourette¹, Carole Margalef¹, René Lafont², Philippe Dupont¹, Pierre Dilda¹, Stanislas Veillet¹, Susanna Del Signore³ and Samuel Agus¹ ¹Biophysit, UMP – BC9, 4 place Jussieu, 75005 Paris, France; ²Sorbonne Universités, UPMC Univ Paris 06, CNRS - Institut de Biologie Paris Seine (BIOISPE), 75005 Paris, France; ³Bluecompanion Ltd, London, (UK)

P 79 • Virtual Online Communities for Aging Life Experience (VOCALE)

Oleg Zaslavsky, PhD¹, Annie Chen, PhD², Andrew Teng², Shih-Yin Lin PhD³, Soojeong Han¹, George Demiris, PhD⁴ ⁽¹⁾School of Nursing, University of Washington, Seattle, WA, USA; ⁽²⁾Biomedical Informatics and Medical Education, University of Washington, Seattle, WA, USA; ⁽³⁾College of Nursing, New York University, New York, NY, USA; ⁽⁴⁾School of Nursing, University of Pennsylvania, Philadelphia, PA, (USA)

PHYSICAL FRAILTY AND AGE-RELATED BODY COMPOSITION MODIFICATIONS

P 80 • Prevalence of sarcopenia among healthy ambulatory subjects: the sarcopenia begins from 45 years

Christophe de Jaeger¹, MD, Elena Voronka¹, MD, Carla Lamberti¹, MD, Saskia Kruijskamp¹, Patrik Cherin², MD, PhD¹ : Institut de médecine et physiologie de la longévité, 4 rue de Galliera, 75116 Paris, France
²: Service de Médecine Interne² Bâtiment IE3M, CHU Pitié-Salpêtrière, 47 bd de l'hôpital 75013 Paris, (France)

P 81 • Prevalence of osteo-sarcopenia and osteo-sarcopenia obesity in healthy ambulatory subjects older than 45 years in France

Christophe de Jaeger¹, MD, Elena Voronka¹, MD, Carla Lamberti¹, MD, Saskia Kruijskamp¹, Patrik Cherin², MD, PhD¹ : Institut de médecine et physiologie de la longévité (IDJ), 4 rue de Galliera, 75116 Paris, France
²: Service de Médecine Interne 2, Bâtiment IE3M, CHU Pitié-Salpêtrière, 47 bd de l'hôpital 75013 Paris, (France)

P 82 • Weight loss and incidence of disability among the oldest old: the fibra study longitudinal findings

L. Corona Faculty of Applied Sciences - University of Campinas Rua Pedro Zaccaria, 1300 Brazil Sao Paulo SPFlavia C. D. Andrade: College of Applied Health Sciences – University of Illinois at Urbana-Champaign Flavia S. A. Borim: Faculty of Medical Sciences – University of Campinas Ivan Aprahamian: Faculty of Medicine of Jundiá André Fattori: Faculty of Medical Sciences – University of Campinas Matteo Cesari: Fondazione (IRCCS) Ca' Granda - Ospedale Maggiore Policlinico, University of Milan, Milan, Italy Monica S. Yassuda: School of Arts, Sciences and Humanities (EACH) – University of São Paulo Anita L. Neri: Faculty of Medical Sciences – University of Campinas (Brazil)

P 83 • Preserved physical fitness is associated with lower 1-year mortality in frail elderly patients with a severe comorbidity burden

K Åhrlund Department of Physiotherapy, NU Hospital Group, Trollhättan, Sweden Department of Physiotherapy, NU hospital. Lärketorsvägen a-46173 Sweden TrollhättanMaria Bäck PhD, RPT: Department of Medical and Health Sciences, Division of Physiotherapy, Linköping University, Linköping, Sweden, Department of Occupational Therapy and Physiotherapy, Sahlgrenska University Hospital, Gothenburg, Sweden Björn Karlsson MD, PhD: Division of Internal and Acute Medicine, NU Hospital Group, Trollhättan-Uddevalla, Sweden, Department of Molecular and Clinical Medicine, Institute of Medicine, Sahlgrenska Academy, University of Gothenburg, Gothenburg, Sweden Niklas Ekerstad PhD, MD: Department of Medical and Health Sciences, Division of Health Care Analysis, Linköping University, Linköping, Sweden, Department of Research and Development, NU Hospital Group, Trollhättan, Sweden Birgitta Oberg PhD, RPT: Department of Medical and Health Sciences, Division of Physiotherapy, Linköping University, Linköping, (Sweden)

P 84 • Sarcopenia, obesity, and sarcopenic obesity prevalence and respective body composition in middle-aged women

Edgar Ramos Vieira⁽¹⁾, Maria Socorro Medeiros de Moraes⁽²⁾, Rafaela Andrade do Nascimento⁽³⁾, Mariana Carmem Apolinário Vieira⁽³⁾, Mayle Andrade Moreira⁽⁴⁾, Saionara Maria Aires da Câmara⁽⁵⁾, Alvaro Campos Cavalcanti Maciel⁽³⁾ ¹: Department of Physical Therapy, 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. ⁴: Department of Physical Therapy, Federal University of Ceará, Fortaleza, CE, Brazil. ⁵: Trairi College of Health Sciences, Federal University of Rio Grande do Norte, Natal, RN, (Brazil)

P 85 • The role of bioelectrical impedance analysis (BIA) in identification of sarcopenia. comparison among different classifications

Sara Tagliaferri, PhD1, Fulvio Lauretani, MD2, Mario Pedrazzoni, MD1, Giovanni Passeri, MD1, Marcello Maggio, MD, PhD^{1,2} Dept. of Medicine and Surgery, University of Parma, Parma, Italy ⁽²⁾ Frailty of Elderly Lab, Geriatric Clinic Unit, University-Hospital of Parma, Parma, (Italy)

P 86 • The assessment of pain in older frail sarcopenic and osteosarcopenic subjects

Longobucco Yari⁽¹⁾, Tagliaferri Sara⁽¹⁾, Adorni Elisa⁽¹⁾, Benedetti Chiara⁽¹⁾, Pessina Michele⁽¹⁾, Lauretani Fulvio^(1,2), Maggio Marcello^(1,2) ¹: Dept. Medicine and Surgery, University of Parma, Parma, Italy. ² Frailty and Multimorbidity Lab, Geriatric Clinic Unit, University-Hospital of Parma, Parma, (Italy)

P 87 • High Lipid Accumulation Product and low estimated Glucose Disposal Rate indicate increased cardio-metabolic risk and decreased insulin sensitivity in postmenopausal women with sarcopenic obesity

Eleonora Poggiogalle¹, Carla Lubrano¹, Lucio Gnassi¹, Stefania Mariani¹, Mikiko Watanabe¹, Andrea Lenzi¹, Lorenzo Maria Donini¹ - Sapienza University, Rome, (Italy)

P 88 • Association between skeletal muscle mass and arterial stiffness in frailty older people

Nariaki Shiraiishi, Department of Rehabilitation, Faculty of Health Science, Nihon Fukushi University ²: Kiwako 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, Seijoh University ⁵: Yusuke Suzuki, Department of Comprehensive Community Care Systems, Nagoya University Graduate School of Medicine (Japan)

P 89 • Sarcopenia and Related Factors in Hospitalized Patients

Q Yilmaz, Istanbul University Istanbul Medical Faculty Internal Medicine Department Geriatrics Division Istanbul University Istanbul Medical Faculty Istanbul, (Turkey)

P 90 • Comparing SARC-F with SARC-CalF to screen sarcopenia in community living older adults

G Division, Istanbul University Istanbul Medical Faculty Internal Medicine Department Geriatrics DivisionMeryem Merve Oren⁽¹⁾ ³: Ozlem Yilmaz ⁽¹⁾ ⁴: Cihan Kilic⁽¹⁾ ⁵: Kubra Aydin⁽²⁾ ⁶: Mehmet Akif Karan⁽¹⁾ ¹ Istanbul University Istanbul Medical Faculty ² Ataturk University Istanbul Medical Faculty Istanbul, (Turkey)

P 91 • Performance of SARC-F in Regard to Sarcopenia Definitions, Muscle Mass and Functional Measures

Gulistan Bahat (Istanbul University Istanbul Medical Faculty Internal Medicine Department Geriatrics Division), Ozlem Yilmaz (Istanbul University Istanbul Medical Faculty Internal Medicine Department Geriatrics Division), Cihan Kilic (Istanbul University Istanbul Medical Faculty Internal Medicine Department Geriatrics Division), Meryem Merve Oren (Istanbul University Istanbul Medical Faculty Internal Medicine Department Geriatrics Division), Mehmet Akif Karan (Istanbul University Istanbul Medical Faculty Internal Medicine Department Geriatrics Division) Istanbul, (Turkey)

P 92 • Nutritional status, sarcopenia and frailty in nursing-home residents - Prevalence and relationships

G Faxén-Irving Department of Neurobiology, Care science and Society, Karolinska Institutet, Stockholm, Sweden ^{1,2,3} Helena Grönstedt, Phys ther, PhD^{4,5}: Erika Franzén, Phys ther, PhD^{1,3,6}: Åke Seiger MD, PhD^{1,7}: Sofia Wikström, Occup ther, PhD^{1,6}: Anders Wiimo, MD, PhD^{1,7}: Anne-Marie Boström RN, PhD^{1,3,8}: Tommy Cederholm, MD, PhD⁸ ⁽¹⁾ Department of Neurobiology, Care science and Society, Karolinska Institutet, Stockholm, Sweden, ⁽²⁾ Division of clinical geriatrics, ⁽³⁾ Stockholms Sjukhem R&D unit, Stockholm, Sweden, ⁽⁴⁾ Karolinska University Hospital, Stockholm, Sweden, ⁽⁵⁾ Division of physiotherapy ⁽⁶⁾ Division of Occupational Therapy, ⁽⁷⁾ Division of neurogeriatrics, ⁽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)

P 93 • The style of life in functional health of elderly participants in unati-am health projects and quality of life

M Faber University of the State of Amazonas Brazil Manaus Jefferson Jurema Silva - Universidade do Estado do Amazonas Clayton Cardoso dos Santos - Universidade do Estado do Amazonas José David e Silva Gomes - LPEMH/Universidade do Estado do Amazonas Fátima Baptista - Universidade de Lisboa Euler Ribeiro José Antônio Cardoso (Brazil)

P 94 • Changes in muscle mass?strength and function with age among community elderly in china ?A longitudinal Study with 4 years Follow-up

Ying Zhang, MD², Xiaoyan Chen MD², Xu Lin MD², Dan Qing MD², Lisha Hou PhD¹, Hui Wang PhD¹, Shan Hai PhD¹, Li Cao PhD¹, Birong DONG PhD¹ v1. National Clinical Research Center for Geriatrics, West China Hospital Sichuan University?Chengdu, Sichuan, (China) ² Collaborative Innovation Center of Sichuan for Elderly Care and Health, Chengdu, Sichuan, (China)

ANIMAL MODELS

P 95 • MBNL1-associated mitochondrial dysfunction and apoptosis in C2C12 myotubes and mouse skeletal muscle

Shingo Yokoyama, PhD¹, Yoshitaka Ohno, PhD¹, Tatsuhiro Egawa, PhD^{2,3}, Ayane Nakamura, MS², Katsumasa Goto, PhD^{2,1} ¹Laboratory of Physiology, School of Health Science, Toyohashi SOZO University, Toyohashi, Japan ²Department of Physiology, Graduate School of Health Science, Toyohashi Sozo University, Toyohashi, Japan ³Laboratory of Sports and Exercise Medicine, Graduate School of Human and Environmental Studies, Kyoto University, Kyoto, (Japan)

NUTRITION AND AGING

P 96 • 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 Systems Research, Duke-NUS Medical School, (Singapore)

P 97 • Vitamin D in relation to incident sarcopenia and changes in muscle parameters among older adults: the KORA-Age study

Romy Konzade ¹Eva Grill ²Heike A. Bischoff-Ferrari ³Uta Ferrari ⁴Alexander Horsch ⁵Wolfgang Koenig ^{6,7,8}Annette Peters ¹and Barbara Thorand ^{1,1} ¹Helmholtz Zentrum München, German Research Center for Environmental Health (GmbH), Institute of Epidemiology, Neuherberg; ²Institute for Medical Information Processing, Biometrics and Epidemiology, Ludwig Maximilian University of Munich, Munich; ³Centre for Aging and Mobility, University of Zurich and City Hospital Waid, Zurich; ⁴Department of Medicine IV, University Hospital, Ludwig Maximilian University of Munich, Munich; ⁵Department of Computer Science, UiT - The Arctic University of Norway, Tromsø; ⁶Heart Centre Munich, Technical University of Munich, Munich; ⁷DZHK (German Centre for Cardiovascular Research), Partner Site Munich Heart Alliance, Munich; ⁸Ulm Medical Center, Department of Internal Medicine II-Cardiology, University Hospital Ulm, Ulm (Germany)

P 98 • Association of nutrients intake and sarcopenia in Brazilian older adults

L. Corona College of Applied Sciences - University of Campinas - Grazielle M. Silva: College of Applied Sciences-University of Campinas Larissa M. Hara: College of Applied Sciences-University of Campinas Carolina N. Freiria: College of Medical Sciences- University of Campinas (Brazil)

P 99 • The Role of Biological Sex on Nutritional Habits and Muscular Health among Middle-Aged, Healthy Adults

Kara Trautman MS, CSCS¹, Christopher Kotarsky MS, CSCS¹, Nathan Dicks MS, CSCS, TSAC-F¹, Bailee Sawyer MS, RD¹, Steven Mitchell MD^{1,2}, Sherri Stastny PhD, RD, CSSD, LRD1, and Kyle Hackney, PHD, CSCS¹, ¹Department of Health, Nutrition, and Exercise Sciences, North Dakota State University, Fargo, ND, USA ²Sanford Health, Fargo, ND, USA

P 100 • The role of nutrition in the development of chronic diseases amongst elderly people

Nataliia Prokopenko, Grand PhD, Institute of Gerontology of National Academy of Medical Sciences, Kiev, (Ukraine)

P 101 • Nutritional Therapy, multiprofessional team and nutritional needs

Mota I. P.; Amante P.; Borba L.; Santos M. J.; Kovacs C.; Feres F. Magnoni C.D. Sao Paulo (Brazil)

P 102 • Alcohol and elderly sarcopenia, an underestimated problem

*Alessia Medioli**, Waifro Colosio*, Annalisa Arcangeli*, Luigina Scaglia* *Fondazione Richiedei: geriatric acute care unit, alcohol rehab centre Fondazione Richiedei/ reparto geriatria per acuti borgo regale Italy Parma (Italy)

P 103 • How effective is espen criteria for nutrition screening

Ozlem Yilmaz /Istanbul University Istanbul Medical School Department of Internal Medicine Division of Geriatrics Gulistan Bahat/Istanbul University Istanbul Medical School Department of Internal Medicine Division of Geriatrics Banu Ozulu Turkmen/Istanbul University Istanbul Medical School Department of Internal Medicine Division of Geriatrics Cihan/Istanbul University Istanbul Medical School Department of Internal Medicine Division of Geriatrics Mehmet Akif Karan/Istanbul University Istanbul Medical School Department of Internal Medicine Division of Geriatrics (Turkey)

P 104 • A study of physical characteristics and nutrition intake status of the prefrail elderly - the Nagoya Longitudinal Study for Healthy Elderly

Chiharu Uno RD¹, kiwako Okada RD, PhD¹, Eiji Matsushita RD, PhD², Sachiyo Shitasue RD, MS², Hiroshi Shimokata MD, PhD¹, Shosuke Satake MD, PhD^{2,4}, Masafumi Kuzuya MD, PhD^{5,6} ¹Graduate School of Nutritional Sciences, Nagoya University of Arts and Sciences, Nisshin, Aichi, Japan ²School of Nutritional Sciences, Nagoya University of Arts and Sciences, Nisshin, Aichi, Japan ³Section of Frailty Prevention, Department of Frailty Research, Center for Gerontology and Social Science (CGSS), National Centre for Geriatrics and Gerontology (NCGG), Obu, Aichi, Japan ⁴Department of Geriatric Medicine, Hospital, NCGG, Obu, Aichi, Japan ⁵Department of Community Healthcare & Geriatrics, Nagoya University Graduate School of Medicine, Nagoya, Aichi, Japan ⁶Institutes of Innovation for Future Society, Nagoya University, Nagoya, Aichi, (Japan)

P 105 • Dietary intake of various food groups and nutrients associated with frailty

Tattari Shalini M.Sc¹, Boiroju Naveen Kumar PhD², Gangupanthulu Madhavi M.Sc², Geeredy Bhanuprakash Reddy PhD¹ ¹Department of Biochemistry, National Institute of Nutrition (ICMR), Hyderabad- 500007, Telangana, India. ²Department of Statistics, National Institute of Nutrition (ICMR), Hyderabad- 500007, Telangana, India. ³Department of Community Studies, National Institute of Nutrition (ICMR), Hyderabad-500007, Telangana, (India)

P 106 • Food intake, nutritional status, ability to function and life quality in older adults: findings in the Power Meals trial

Marika Laaksonen, PhD¹ (presenting author), Susanna Kunvik, MSc², Petra Rautakallio-Jarvinen, MSc², Terttu Nordman, MD², Jussi Loponen, PhD¹, Marianne Nordblom, MSc², Harri Sievanen, PhD⁴, Merja Suominen, PhD⁵ ¹Oy Karl Fazer Ab Research Team, Finland ²Pori Health and Social Services, Finland ³Fazer Food Services Oy, Finland ⁴UKK Institute, Finland ⁵Society for Gerontological Nutrition in (Finland)

P 107 • Dietary Inflammatory Index is differently associated with ectopic fat depots in overweight and obese adults

*Eleonora Poggiogalle*¹, Carla Lubrano¹, Federica Luisi¹, James R. Hebert², Nitin Shivappa², Michele Di Martino³, Lucio Gnessi¹, Stefania Mariani¹, Andrea Lenzi¹, Lorenzo Maria Donini¹ ¹Department of Experimental Medicine, Sapienza University, Rome, Italy. ²University of South Carolina, Columbia, South Carolina, United States. ³Department of Radiological Sciences, Sapienza University, Rome, (Italy)

P 108 • Sarcopenic obesity and functional limitations in older Chileans

Cecilia Albalá, Carlos Marquez, Lydia Lera, Barbara Angel, Mario Moya, Patricia Arroyo - INTA universidad de Chile - (Chile)

P 109 • Association of Total Energy Expenditure measured by the doubly-labeled water method and different parameters of physical activity

Tatiane Lopes de Pontes, MsC¹, Jair Licio Ferreira Santos MD, PhD¹, Fernanda Pinheiro Amador dos Santos Pessanha PhD¹, Natália Maira da Cruz Alves MsC¹, Karina Pfrimer PhD¹; Renato Campos Freire Júnior PhD²; Priscila Giacomo Fassini PhD¹; Nereida Kilza da Costa Lima MD, PhD¹, Julio Cesar Moriguti MD, PhD¹, Eduardo Ferrioli MD, PhD^{1,1} ¹Ribeirao Preto Medical School, University of Sao Paulo, Ribeirao Preto-SP, Brazil; ²Federal University of Amazonas - Manaus-AM, (Brazil)

NUTRITION INTERVENTION

P 110 • Impact of nutrition guidelines on the dietary behaviour of the elderly in Ondo West of Nigeria

Jerome Abiola Oloro; Prof Emsie Dicks; Prof Jeanette Kearney; Dr Lola Otitoola (Nigeria)

P 111 • Effects of individualized per-meal protein prescription, nutrition education, and tele-diet coaching on dietary protein intake and physical function in economically disadvantaged older adults

Sareen Gropper ¹Maude Exantus ¹Kelley Jackson ¹Seana Reid ¹Shane Spiers ²Melody Romano ²Deborah D'Avolio ¹Andra Opalinski ¹Ruth Tappen ¹ & *Edgar Ramos Vieira* ^{4,1} ¹Christine E Lynn College of Nursing, Florida Atlantic University, Boca Raton, FL, USA ²Medical School, St. George's University, Grenada, West Indies ³Charles E Schmidt College of Science, Florida Atlantic University, Boca Raton, FL, USA ⁴Department of Physical Therapy, Florida International University, Miami, FL, (USA)

P 112 • Effects of nutritional supplementation (synbiotics or glutamine) on the systemic inflammation and some consequences on body composition in elderly: a randomized clinical trial

Marcus Vinicius LS Quaresma, M.Sc. ¹João Valentini-Neto, M.Sc. ¹Camila Maria de Melo, PhD ²Sandra ML Ribeiro, PhD ^{1,2,1} ¹School of Public Health, University of São Paulo, SP, Brazil; ²Federal University of Lavras, MG, Brazil; ³School of Arts, Sciences and Humanities- University of São Paulo, SP, (Brazil)

P 113 • Nutritional treatment as a tool prediction of mortality in intensive therapy unit

Ana Margaret Nascimento Gomes Farias Soares, Ana Paula Aparecida Rodrigues Assunção, Fabiana Ferreira da Silva, Camila Regina Leite de Campos, Isabela Cardoso Pimentel, Maria José dos Santos, Fausto Feres, Carlos *Daniel Magnoni* Sao Paulo (Brazil)

FRAILTY IN CLINICAL PRACTICE AND PUBLIC HEALTH

P 114 • Associations between frailty and oral health: findings from the Concord Health and Ageing in Men Project (CHAMP)

Eduardo Valdez¹, F.A. Clive Wright¹, Vasi Naganathan^{1,2}, Kate Milledge^{1,3}, Fiona M Blyth^{1,4}, Vasant Hirani⁵, David G. Le Couteur^{1,2}, David J. Handelsman⁶, Louise M. Waite^{1,2}, Robert G. Cumming^{1,3,1} Centre for Education and Research on Ageing, Concord Clinical School, The University of Sydney, and the Ageing and Alzheimer's Institute, Concord Repatriation General Hospital, Sydney Local Health District, Concord, NSW, Australia. ² Department of Geriatric Medicine and Rehabilitation Medicine, Concord Repatriation General Hospital, Sydney Local Health District, Concord, NSW, Australia. ³ School of Public Health, Sydney Medical School, The University of Sydney, Sydney, NSW, Australia. ⁴ Concord Clinical School, The University of Sydney, Concord Repatriation and General Hospital, Concord, NSW Australia. ⁵ School of Life and Environmental Sciences, Charles Perkins Centre, The University of Sydney, Sydney, NSW, Australia. ⁶ ANZAC Research Institute, The University of Sydney, Concord Repatriation General Hospital, Concord, NSW, (Australia)

P 115 • The relationship between physical frailty and depressive symptoms in community-dwelling older adults: the mediating and moderating role of social support

Yaru Jin MSc¹, Cuili Wang PhD², Huaxin Si MSc¹, Xiaoyu Tian MSc¹, Xiaoxia Qiao PhD², Xinyi Liu MSc¹ ¹ School of Nursing, Shandong University, Jinan, China ² School of Nursing, Peking University, Beijing, (China)

P 116 • The association between frailty and medication adherence among community-dwelling older patients with chronic diseases: medication beliefs acting as mediators

Xiaoxia Qiao PhD¹, Cuili Wang PhD¹, Xiaoyu Tian MSc², Yaru Jin MSc², Huaxin Si MSc², Xinyi Liu MSc² ¹ School of Nursing, Peking University, Beijing, China ² School of Nursing, Shandong University, Jinan, (China)

P 117 • 30-Day Readmission Diagnoses in Older Adults Previously Admitted for a Diagnosis of Sepsis

Alison Kohn MS¹, Angelina Avdella MS¹, Gabriella Engstrom PhD¹, Bernardo Reyes MD¹, Joseph Ouslander MD¹ ⁽¹⁾ Charles E. Schmidt College of Medicine at Florida Atlantic University, Boca Raton, FL, (USA)

P 118 • Associations of 30 Day Readmissions Following Hip Fractures in Patients 75 and Older

Avdella, Angelina MSY²; Kohn, Alison MSY²; Engstrom, Gabriella PhD¹; Reyes, Bernardo MD¹; Ouslander, Joseph MD² Florida Atlantic University, Schmidt College of Medicine, Boca Raton, FL, (USA)

P 119 • Co-existence of Physical Frailty and Sarcopenia is Associated with Poorer Functional Fitness and Adverse Health Outcomes in Community-Dwelling Older Adults

Tay Laura MRCP¹, Tay Ee Ling MSc², Latib Aisyah BSc³, Mah Shi Min MSc², Abu Bakar Huda BSc¹, Ng Yee Sien FRCP¹ ¹ Department of Geriatric Medicine, Sengkang General Medicine. Singapore ² Department of Physiotherapy, Sengkang General Hospital. Singapore ³ Office of Regional Health System. SingHealth. Singapore ⁴ Department of Rehabilitation Medicine, Singapore General Hospital. (Singapore)

P 120 • Visual Impairment and Frailty: An important, yet understudied relationship

Bonnielin K. Swenor⁽¹⁾, Moon Jeong Lee⁽¹⁾, Jing Tian⁽²⁾, Varshini Varadaraj⁽¹⁾, Karen Bandeen-Roche⁽²⁾ ⁽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 121 • Community nursing care approaches based on activities of community-dwelling senior couples living independently at home

Pingping Zhang Saitama Prefectural University, (Japan)

P 122 • Frailty was predictive of death after discharge from the emergency service: a 6-month prospective study from a middle-income country

Gabriella Vano Aricó de Almeida⁽¹⁾, Carla Fernanda de Vasconcelos Romanin⁽¹⁾, Tarsila Gomes Caldas⁽¹⁾, Nadia Tiemi Antunes Yoshitake⁽¹⁾, Lia Bataglini⁽¹⁾, Matteo Cesari⁽²⁾, Ivan Arahamian⁽¹⁾ ⁽¹⁾ Group of Investigation on Multimorbidity and Mental Health in Aging (GIMMA), Department of Internal Medicine, Faculty of Medicine of Jundiáí ⁽²⁾ "Fondazione (IRCCS) Ca' Granda - Ospedale Maggiore Policlinico", University of Milan (Italy)

P 123 • Non-motor characteristics but not motor signs of Parkinson's disease were associated with frailty

Richard Murdoch Montgomery⁽¹⁾, Matteo Cesari⁽²⁾, Ivan Arahamian⁽¹⁾ ⁽¹⁾ Group of Investigation on Multimorbidity and Mental Health in Aging (GIMMA), Department of Internal Medicine, Faculty of Medicine of Jundiáí ⁽²⁾ "Fondazione (IRCCS) Ca' Granda - Ospedale Maggiore Policlinico", University of Milan (Italy)

P 124 • Selective serotonin receptor inhibitor monotherapy was associated with frailty and falls in a clinic cohort of older adults from a middle-income country

Ivan Arahamian⁽¹⁾, Sumika Mori Lin⁽¹⁾, Alaise Silva Santos de Siqueira⁽¹⁾, Marina Maria Biella⁽¹⁾, Matteo Cesari⁽²⁾, Wilson Jacob-Filho⁽¹⁾ ⁽¹⁾ Geriatrics Division, Faculty of Medicine, University of São Paulo ⁽²⁾ "Fondazione (IRCCS) Ca' Granda - Ospedale Maggiore Policlinico", University of Milan (Italy)

P 125 • Relationship between Immune Cell Profiles and Frailty in Patients with Breast Cancer receiving Chemotherapy

Nikeshia Gilmore, PhD¹, Mostafa Mohamed, MBBCh, MSc¹, Lianlian Lei MS¹, Allison Magnuson DO¹, Ronald Maggiore MD¹, Supriya Mohile MD, MS¹, Mary Ontko, RN², Jerry Mitchell, MD³, Kelley Young, MD⁴, Michelle Janelsins, PhD, MPH¹ ⁽¹⁾ University of Rochester Medical Center, Rochester, NY, USA ⁽²⁾ Dayton Clinical Oncology Program, Dayton, OH, USA ⁽³⁾ Columbus NCORP, Columbus, OH, USA ⁽⁴⁾ Kansas City NCORP, Prairie Village, KS, (USA)

P 126 • 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 Tomita MD, PhD¹, Yuki Ohashi PhD, RN², Aiko Ishiki MD, PhD¹, Akiko Ozaki PhD, RN³, Mitsuyuki Nakao PhD⁴, Hiroyuki 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 Sciences, Graduate School of Information Sciences, Tohoku University (Japan)

P 127 • Association of low serum 25-hydroxyvitamin D levels with the frailty syndrome in elderly population at Colima, México

Faías-Moreno Katia Carmina¹, Carrasco-Peña Karla Berenice², Trujillo-Hernández Benjamín², Aguilar-Mancilla Zahira Cecilia⁴, Pulido-García Alejandra⁴, Santillán-Luna Yedadirá⁴, Rodríguez-Pedraza Karina⁴, Trujillo-Magallón Mariana⁴, Ramírez-Covarrubias Lizeth Estefania⁵, Cervantes-Santa Cruz Perla Guillemina³ 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. ⁵ Sixth year Medical student, Faculty of Medicine, Universidad de Colima, (Mexico)

P 128 • Appropriateness of new-oral anticoagulant dose adjustment in older adults

Tugba Erdogan¹, Onur Erdogan², Gülistan Bahat Ozturk¹, Mehmet Akif Karan¹ ¹ Istanbul University, Istanbul Medical School, Department of Internal Medicine, Division of Geriatrics, Istanbul, Turkey ² Istinye State Hospital, Department of Cardiology, Istanbul, (Turkey)

P 129 • 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 Tomita MD, PhD¹, Yuki Ohashi PhD, RN², Aiko Ishiki MD, PhD¹, Akiko Ozaki PhD, RN³, Mitsuyuki Nakao PhD⁴, Hiroyuki Arai MD, PhD¹ Tohoku university hospital 4-1 Seiry-machi, Aoba-ku, Japan Sendai city Miyagi (Japan)

P 130 • Characteristics of lifestyles of the frailty prevention among community-dwelling elderly women of positive attitude toward health promotion activities

Mariko Zensho (Saitama Prefectural University) Osamu Fujinawa (Fukui Health Science University), Koji Sugano (Juntendo Tokyo Koto Geriatric Medical Center), Ryo Kubota (Saitama Prefectural University), Toyo Kikumoto (Saitama Prefectural University), Hiromi Nakamura-Thomas (Saitama Prefectural University), Hiroko Kohara (University of Kochi), Yuko Morikagi (Yamagata University), Hajime Toda (Kitasato University) (Japan)

P 131 • Community Based Dual Task Interventions to Reduce the Prevalence of Frailty: Findings from HAPPY Program

Reshma A Merchant (Yong Loo Lin School of Medicine, National University of Singapore, Singapore) Matthew Chen (National University Hospital, Singapore) Surein SANDRASAGERAN (National University Hospital, Singapore) Tan Weng Mooi (Agency of Integrated Care) Chris Tsoi Tung (National University Hospital, Singapore)

P 132 • Identifying the important items to be included in a frailty specific patient-reported outcomes : a qualitative study among patients and professionals

F. Buckinx⁽¹⁾, J.-Y. Reginster⁽¹⁾, Y. Rolland⁽²⁾, M. Cesari⁽³⁾, C. Beaudart⁽¹⁾, R. Rizzoli⁽⁴⁾, J. Petermans⁽⁵⁾, B. Fougère⁽⁶⁾, O. Bruyère⁽¹⁾ ¹ Department of Public Health, Epidemiology and Health Economics, University of Liège, Belgium. WHO Collaborating Centre for Public Health Aspects of Musculoskeletal Health and Ageing. ² Gérontopôle, University Hospital of Toulouse III, Toulouse, France, University of Toulouse III, France ³ Geriatric Unit, Fondazione Ca' Granda - Ospedale Maggiore Policlinico, Milano, Italy ⁴ Service of Bone Diseases, Department of Internal Medicine Specialties, Geneva University Hospitals and Faculty of Medicine, Geneva, Switzerland ⁵ Department of Geriatrics, CHU-Liège, Liège, Belgium ⁶ Division of Geriatric Medicine, Saint Louis University School of Medicine, St Louis, (USA)

P 133 • Diabetes in frail older adults: assessment of glycaemic control and prescriptions

Anne-Sophie Mangé¹, Cécile Mccambridge¹, Arnaud Pages^{1,2}, Charlotte Laborde^{1,2}, Sandrine Sourd^{1,2}, Anne Ghisolfi¹, Bruno Vellas^{1,2}, Philippe Cestac^{1,2} ⁽¹⁾ Centre Hospitalier Universitaire de Toulouse, Toulouse, France ; ⁽²⁾ Inserm UMR1027, Université de Toulouse III Paul Sabatier, Toulouse, (France)

P 134 • Prevalence of frailty in older adults with Rheumatoid Arthritis

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

P 135 • Relationship between predictive risk factors for oropharyngeal dysphagia and dysphagia in cardiovascular disease

Tatiana Magalhães de Almeida Debora Afonso Livia Gomes Isabela Mota Maria Jose dos Santos Roberta G Silva Fausto Feres Carlos Daniel Magnoni instituto dante pazzanese de cardiologia constantino de sousa (Brazil)

P 136 • Screening for sarcopenia: evaluating the performance of different case-finding strategies using SARC-F in combination with muscle strength and performance measures

Justin Chew, MBBS, MRCP(UK), Department of Geriatric Medicine, Tan Tock Seng Hospital, Singapore. Institute of Geriatrics and Active Ageing, Tan Tock Seng Hospital, Singapore. Junpei Lim, MBBS, MRCP(UK), Department of Geriatric Medicine, Tan Tock Seng Hospital, Singapore. Institute of Geriatrics and Active Ageing, Tan Tock Seng Hospital, Singapore. Laura Tay, MBBS, MRCP(UK), Department of General Medicine (Geriatric Medicine), Sengkang General Hospital, Singapore. Noor Hafizah Bte Ismail, MBBS, MRCP(UK), FAMS, Department of Continuing and Community Care, Tan Tock Seng Hospital, Singapore. Yew Yoong Ding, MBBS, DGM (Glas), FAMS, FRCP (Edin), Department of Geriatric Medicine, Tan Tock Seng Hospital, Singapore. Institute of Geriatrics and Active Ageing, Tan Tock Seng Hospital, Singapore. Wee Shiong Lim, MBBS, MRCP (UK), MMed (Int. Med), MHPed, AGSF, FAMS, Department of Geriatric Medicine, Tan Tock Seng Hospital, Singapore. Institute of Geriatrics and Active Ageing, Tan Tock Seng Hospital, (Singapore)

P 137 • Frailty and its risk factors in Dutch adults who have had childhood cancer

Emma J. Verwaaijen¹, Daniëlle M. Corbijn¹, Annelienke M. van Hulst¹, Marry M. van den Heuvel-Eibrink¹, 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 138 • Impact of frailty on post-operative outcome of major orthopedic surgery in older Indian

Sumitabh Singh MD¹, Prasun Chatterjee MD¹, Rishav Bansal MD¹ Gevesh Chand Dewangan MBBS1, Aparajit Ballav Dey MD¹ ¹ Department of Geriatric Medicine, All India Institute of Medical Sciences, New Delhi, (India)

P 139 • Prevalence of frailty in elderly patients with Aortic Stenosis included in an Geriatric Assessment Program

Pablo E Solla, MD¹, Eva M López, MD¹, Juan J Solano, MD¹, José Gutiérrez, MD, PhD¹ ⁽¹⁾ Geriatric Department, Área de Gestión Clínica de Geriatría, Hospital Monte Naranco, Oviedo, Asturias, (Spain)

P 140 • Frailty assessment and its impact on treatment of elderly patients with Aortic Stenosis

Pablo E Solla, MD¹, Eva M López, MD¹, Juan J Solano, MD¹, José Gutiérrez, MD, PhD¹ ⁽¹⁾ Geriatric Department, Área de Gestión Clínica de Geriatría, Hospital Monte Naranco, Oviedo, Asturias, (Spain)

P 141 • Frailty profiles: an analysis of routinely collected hospital data

Louise Lafortune PhD¹, Joyce Coker, PhD¹, Rhian Simpson, MD², Roman Romero-Ortuno, MD³ ⁽¹⁾ Cambridge Institute of Public Health, University of Cambridge, Cambridge, United Kingdom. ⁽²⁾ Cambridgeshire and Peterborough NHS Foundation Trust, Fulbourn Hospital, Cambridge, United Kingdom. ⁽³⁾ School of Medicine, Trinity College Dublin, Dublin, (UK)

P 142 • Frailty criteria are associated with circadian rest-activity rhythm disturbances in institutionalized older adults

Patrícia Vidal de Negreiros Nobrega ⁽¹⁾, Rafaella Silva dos Santos ⁽²⁾, Alvaro Campos Cavalcanti Maciel ⁽²⁾, John Fontonele-Araujo ⁽¹⁾, & Edgar Ramos Vieira ⁽³⁾ ⁽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)

P 143 • Is Implicit Ageism Associated with Frailty in Older Veterans?

Douglas Salguero ^{1,2}, Nadeem Mohammed ^{1,2}, Juliana Ferri-Guerra ^{1,2}, Raquel Aparicio ^{1,2}, Zubair Rahaman ², and Jorge G. Ruiz ^{2,3} ⁽¹⁾ Department of Public Health Sciences, University of Miami Miller School of Medicine ⁽²⁾ Miami VAHS GRECC Veterans Successful Aging for Frail Elders (VSAFE) ⁽³⁾ Department of Medicine, University of Miami Miller School of Medicine (USA)

P 144 • Is Explicit Ageism Associated with Frailty in Older Veterans?

Juliana Ferri-Guerra ^{1,2}, Nadeem Mohammed ^{1,2}, Douglas Salguero ^{1,2}, Raquel Aparicio-Ugarriza ^{1,2}, Zubair Rahaman ², and Jorge G. Ruiz ^{2,3} ⁽¹⁾ Department of Public Health Sciences, University of Miami Miller School of Medicine ⁽²⁾ Miami VAHS GRECC Veterans Successful Aging for Frail Elders (VSAFE) ⁽³⁾ Department of Medicine, University of Miami Miller School of Medicine (USA)

P 145 • The Association of Obstructive Sleep Apnea with Frailty in Older Veterans with Diabetes

Christopher Lewis ¹, Valeria Baldvieso ¹, Isaac Peña ¹, Isis Romero ¹, Raquel Aparicio-Ugarriza ^{2,3}, and Jorge G. Ruiz ^{3,4} ⁽¹⁾ Jackson Memorial Hospital, Miami, FL ⁽²⁾ Dept. of Public Health Sciences, U of Miami Miller School of Medicine ⁽³⁾ Miami VAHS GRECC ⁽⁴⁾ Dept. of Medicine, U of Miami Miller School of Medicine (USA)

P 146 • The Association of Depression with Frailty in Older Veterans with Diabetes

Yosvan Lam ¹, Seyed A. Mirabbasi¹, Astrid Pilgrim ¹, Mercedes Rodriguez-Suarez², Christopher Lewis¹, Raquel Aparicio-Ugarriza ^{3,4}, and Jorge G. Ruiz ^{4,5} ⁽¹⁾ Jackson Memorial Hospital, Miami, FL ⁽²⁾ Mental Health Service, Miami VA Healthcare System ⁽³⁾ Dept. of Public Health Sciences, U of Miami Miller School of Medicine ⁽⁴⁾ Miami VAHS GRECC ⁽⁵⁾ Dept. of Medicine, U of Miami Miller School of Medicine

P 147 • The Association of Frailty with Hospitalizations and Mortality in Older Veterans with Diabetes

Nadeem Mohammed ^{1,2}, Juliana Ferri-Guerra ^{1,2}, Raquel Aparicio-Ugarriza ^{1,2}, Douglas Salguero ^{1,2}, Hermes Florez ^{1,2,3}, and Jorge G. Ruiz ^{2,3} ⁽¹⁾ Dept. of Public Health Sciences, U of Miami Miller School of Medicine ⁽²⁾ Miami VAHS GRECC ⁽³⁾ Dept. of Medicine, U of Miami Miller School of Medicine (USA)

P 148 • Is Frailty Associated with Tight Glycemic Control in Older Veterans with Diabetes?

Nadeem Mohammed ^{1,2}, Raneem Milyani ³, Aakashi Shah ^{1,2}, Raquel Aparicio-Ugarriza ^{1,2}, Pravallika Bharatula ^{1,2}, Sriravali Potluri ^{1,2}, Hermes Florez ^{1,2,4}, and Jorge G. Ruiz ^{2,4} ⁽¹⁾ Dept. of Public Health Sciences, U of Miami Miller School of Medicine ⁽²⁾ Miami VAHS GRECC ⁽³⁾ Jackson Memorial Hospital, Miami, FL ⁽⁴⁾ Dept. of Medicine, U of Miami Miller School of Medicine (USA)

FRAILTY IN CLINICAL PRACTICE AND PUBLIC HEALTH

P 149 • The potential to prevent, identify and treat frailty and its consequences in community-dwelling older adults using a digital platform and existing smartphone capabilities

Edgar Ramos Vieira⁽¹⁾, Norberto Menendez⁽²⁾, Benjamin C. Amick III⁽³⁾. ¹ Department of Physical Therapy, Florida International University, Miami, FL, USA ² LifeWallet, Miami, FL, USA ³ Department of Health Policy and Management, Florida International University, Miami, FL, (USA)

P 150 • Accelerated Aging in Older Persons with HIV Infection

Julia Danz, DO¹, Mary Goodyear, MS¹, Víctor Tran, M.S¹, Amarilis Acevedo, PhD¹, Raymond Ownby, MD, PhD⁽¹⁾ Department of Psychiatry and Behavioral Medicine, Nova Southeastern University, Fort Lauderdale, FL, (USA)

P 151 • Potentially inappropriate medication in people over 75 years in neurosurgery departments: dream and reality...

Mathilde Strumia⁽¹⁾, Chloé Duran⁽¹⁾, Yan Hakim⁽¹⁾, Khevin Itoua-Gassaye⁽¹⁾, C. Laborde, PharmaD, PhD⁽¹⁾ Pharmacy Department, CHU Toulouse, Toulouse, (France)

P 152 • Does Implicit Ageism Predict Frailty in Older Veterans?

Douglas Salguero^{1,2}, Mohammed Nadeem^{1,2}, Juliana Ferri-Guerra^{1,2}, Raquel Aparicio^{1,2}, Zubair Rahaman², and Jorge G. Ruiz^{2,3} ¹Department of Public Health Sciences, University of Miami Miller School of Medicine ²Miami VAHS GRECC Veterans Successful Aging for Frail Elders (VSAFE) ³Department of Medicine, University of Miami Miller School of Medicine (USA)

P 153 • Tobacco use and its association with frailty

Mario Ulises Pérez-Zepeda MD, PhD^(1,2,3,4), Daniela Patino-Hernandez MD^{1,2,5}, Miguel Germán Borda MD PhD(c)^{1,2,6, (1)}* Ageing Institute, Pontificia Universidad Javeriana. Bogotá, Colombia ⁽²⁾Semillero de Neurociencias y Envejecimiento, Pontificia Universidad Javeriana. Bogotá, Colombia ⁽³⁾Geriatric Epidemiology Research Unit. Instituto Nacional de Geriatria, México D.F, México. ⁽⁴⁾Medical School, Universidad Anáhuac Norte. México D.F, México. ⁽⁵⁾Centro de Especialistas, Colsubsidio. Bogota, Colombia ⁽⁶⁾Centre for Age-Related Diseases, Stavanger University Hospital. Stavanger, (Norway)

P 154 • Testing the Pictorial Fit-Frail Scale in Canada and Malaysia

Olga Theou, PhD¹, Lisa McGarrigle, PhD¹, Sally Suriani Ahip, MMED², Emma Squires, BA¹, Lindsay Wallace, MSC¹, Sazlina Shariff, PhD², Renuka Visvanathan, PhD¹, Kenneth Rockwood, MD⁽¹⁾ Geriatric Medicine, Dalhousie University and Nova Scotia Health Authority, NS, Canada ⁽²⁾Sarawak State Health Department, Ministry of Health, Malaysia ⁽³⁾Family Medicine, Universiti Putra, Malaysia ⁽⁴⁾National Health and Medical Research Council Centre of Research Excellence in Frailty and Healthy Ageing, (Australia)

P 155 • Frailty and Changes in Cognitive Function After Kidney Transplantation - Failure to Recover to Baseline Levels

Nadia M. Chu, PhD MPH^(1,2), Alden L. Gross, PhD, MHS^(1,3), Ashton A. Shaffer, BA^(1,2), Christine E. Haugen MD⁽²⁾, Silas P. Norman, MD⁽⁴⁾, Qian-Li Xue, PhD^(1,3), A. Richey Sharrett, M.D., DrPH⁽¹⁾, Michelle Carlson, PhD^(1,3), Karen Bandeen-Roche, PhD⁽⁶⁾, Dorry L. Segev, M.D., PhD^(1,2), Mara A. McAdams-DeMarco, PhD^{(1,2)(1)} Department of Epidemiology, Johns Hopkins School of Public Health, Baltimore, MD. ⁽²⁾ Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD. ⁽³⁾ Department of Mental Health, Johns Hopkins School of Public Health, Baltimore, MD. ⁽⁴⁾ Department of Internal Medicine, Division of Nephrology, University of Michigan School of Medicine, Ann Arbor, MI. ⁽⁵⁾ Division of Geriatric Medicine and Gerontology, Johns Hopkins University School of Medicine, Baltimore, MD. ⁽⁶⁾ Department of Biostatistics, Johns Hopkins School of Public Health, Baltimore, MD (USA)

P 156 • Seniors' Community Hub (SCH)- A model of care to support primary care providers in caring for older adults with frailty

Marjan Abbasi^{1,2}, Sheny Khera^{1,2,3}, Julia Dabravolska³. ¹ Department of Family Medicine, University of Alberta, Edmonton, AB, Canada. ² Covenant Health, Misericordia Hospital, Edmonton, AB, Canada. ³ Edmonton Oliver PCN, Edmonton, AB, (Canada)

P 157 • Frailty profile of patients referred to a secondary care Frailty Clinic by Family Medicine Physicians

Karina Pfrimer PhD¹, Márcio Eloi Colombo Filho¹, Paulo Fernandes Formighieri MD PhD¹, Anderson Marlieri Navarro PhD¹, Fernanda Pinheiro Amador dos Santos Pessanha PhD¹, Nereida Kilza da Costa Lima MD PhD¹, Julio Cesar Moriguti MD PhD¹, Eduardo Ferrilli MD PhD⁽¹⁾ Department of Medicine, Ribeirao Preto Medical School (Brazil)

P 158 • The Transition of frailty status and its Influencing Factors in community dwelling Pre-diabetic and diabetic older population:**a prospective cohort study**

Qianqian Sun MD¹, Yanyu Chen MD¹, Shang Wang PhD⁽¹⁾* The Center of Gerontology and Geriatrics, West China Hospital, Sichuan University (China)

P 159 • Frailty in Hospitalized Patients with Atrial Fibrillation

Shivani Priyadarshni, Resident physician, Aventura Hospital and Medical Center Ramanakumar Anam, Research fellow, Aventura Hospital and Medical Center Carmen Cartwright, Resident physician, Aventura Hospital and Medical Center Miriam Zylbergait Lisigurski, MD, Aventura Hospital and Medical Center (USA)

P 160 • Streamlining Frailty Assessment in Clinical Practice: The Fit-Frailty "App"

Courtney C. Kennedy^{1,2}, George Ioannidis^{1,2}, Alexandra Papaioannou^{1,2}, Jonathan D. Adachi^{1,2}, Sharon Mar^{1,2}, Ahmed Negm², Patricia Hewston², Kenneth Rockwood⁽¹⁾ McMaster University, Department of Medicine, Hamilton, Canada ⁽²⁾ GERAS Centre for Aging Research, Hamilton, Canada ⁽³⁾ Dalhousie University, Department of Medicine, Halifax, (Canada)

P 161 • Social frailty as an important risk factor for adverse health outcomes in older adults: findings from an eight-year follow-up population-based cohort study

Lina Ma, Zhe Tang, Fei Sun, Yun Li, Piu Chan Department of Geriatrics, Xuanwu Hospital, Capital Medical University, China National Clinical Research Center for Geriatric Medicine, Beijing, (China)

P 162 • Frailty and associated risk factors

Blanca González García MN, Daniel Gámez Treviño MD, Ricardo Salinas Martínez MD, Fernando Díaz González MS-IV, Patricia Guerrero Garza, Javier Dávila Olalde MD, Francisco Barrera-Flores MS-VI, Patricia Ancer Rodríguez MCE Geriatrics Service University Hospital UANL Monterrey NL (Mexico)

P 163 • Subjective weakness as predictor of frailty

Ronald Camilo Gómez^{1,2,3}, Miguel Germán Borda^{1,4}, Elkin García-Cifuentes¹, Mario Ulises Pérez-Zepeda^{1,5,1}. Semillero de Neurociencias y envejecimiento, Instituto de Envejecimiento, Facultad de Medicina, Pontificia Universidad Javeriana, Bogotá, Colombia². Hospital Cardiovascular del Niño de Cundinamarca, Soacha, Colombia³. Clínica del Country, Bogotá, Colombia⁴. Centre for Age-Related Medicine (SESAM), Stavanger University Hospital, Stavanger, Norway. ⁵ Geriatric Epidemiology Research Department, Instituto Nacional De Geriatria, México City, (México)

P 164 • Frailty in older adults with mild dementia with lewy bodies and alzheimer's disease

Miguel Germán Borda^{1,2}, Hogne Sønnesyn¹, Claire J. Steves³, Audun Osland Vik?Mo^{1,4}, Mario Ulises Pérez-Zepeda^{2,5}, Dag Aarsland^{1,6} Centre for Age-Related Medicine (SESAM), Stavanger University Hospital. Stavanger, (Norway)

P 165 • Role of comprehensive geriatric assessment in predicting post-operative delirium in major orthopaedic surgery in Indian elderly

Karishma De , MBBS¹, Dr. Sumitabh Singh, MD¹, Dr. Prasun Chatterjee, MD¹, Dr Aparajit Ballav Dey , MD⁽¹⁾ Geriatric medicine department, All India Institute of Medical Science, New Delhi (India)

P 166 • Sarcopenia in elderly people in cardiology hospital

Ana Margaret Nascimento Gomes Farias Soares, Natália Oliveira, Rita de Cássia Aquino, Daniela França Gomes, Maria José dos Santos, Isabela Cardoso Pimentel Mota, Fausto Feres, Carlos Daniel Magnoni

P 167 • A systematic approach to prescribe post-hospitalization home-based physical activity for mobility: the PATH Study

Myliène Aubertin Leheudre^{1,2}; L.P. Carvalho^{1,2}; A. Bolduc¹; M.-J. Kergoat^{1,3,4,1} Centre de recherche, Institut universitaire de gériatrie de Montréal (IUGM), CIUSSS du Centre-Sud-de-l'Île-de-Montréal; ² Département des sciences de l'activité physique, Faculté des sciences, Université du Québec à Montréal (UQAM); ³ Institut universitaire de gériatrie de Montréal, CIUSSS du Centre-Sud-de-l'Île-de-Montréal; ⁴ Faculté de médecine, Université de Montréal. (Canada)

P 168 • Lack of Social Support as a Risk Factor of Physical Frailty in Older Adults Living in Rural Communities of Peruvian Andes

Jose F. Parodi MD, MPH⁽¹⁾, Fernando M. Runzer-Colmenares MD, MA⁽¹⁾ Universidad de San Martín de Porres, Facultad de Medicina Humana, Centro de Investigación del Envejecimiento (CIEN). Lima, (Peru)

P 169 • Parameters associated with the refusal to participate in a physical exercise program after hospital discharge in older adults

Jon Iraxusta¹, Ana Rodríguez-Larrad¹, Iñaki Echeverría¹, Julen Gomez², Maria Amasene², Cristina Alonso², Ariadna Besga², Miriam Urquiza¹. ¹ Department of Physiology, University of the Basque Country, Spain. ² Department of Pharmacy and Food Science, University of the Basque Country, Spain. ³ Department of Rehabilitation and Physiotherapy, Hospital Universitario de Alava, Osakidetza, Spain. ⁴ Department of Internal Medicine, Hospital Universitario de Alava, Osakidetza (Spain)

P 170 • Using Administrative and Laboratory Data from the Electronic Health Record to Examine Frailty Indicators for Hospital Readmission

Deborah A. Lekan, PhD, RN-BC, Thomas P. McCoy, PhD¹, PStat¹, Somya Mohanty, PhD², Prashanti Manda, PhD², Rohit Gulia, BS⁽¹⁾ University of North Carolina at Greensboro School of Nursing, Greensboro, NC, USA, ⁽²⁾ University of North Carolina at Greensboro Computer Science Department, Greensboro, NC, (USA)

P 171 • The relevance of physical frailty in geriatric mental health care: an example of late-life depression

Prof.dr. R.C. Oude Voshaar, University of Groningen, University Medical Center Groningen, The Netherlands Drs. M.H.L. Arts, University of Groningen, University Medical Center Groningen, The Netherlands Dr. H.C. Comijs, Free University Amsterdam (VUmc), (The Netherlands)

OSTEOPOROSIS & SARCOPENIA

P 172 • Prevalence of sarcopenia and its association with bone mineral density among healthy adult North Indian population: A community survey

Rimesh Pal MD¹, Sanjay Kumar Bhadada MD, DM¹, Anil Bhansali MD, DM¹ ⁽¹⁾ Department of Endocrinology, Post Graduate Institute of Medical Education and Research, Chandigarh, (India)

P 173 • Forecasting life expectancy in sarcopenic and non-sarcopenic community-dwelling older Chileans

Lydia Lera PhD, Cecilia Albala MD, Bárbara Leyton MSc, Bárbara Angel PhD, Carlos Marquez MSc, Rodrigo Saguez, Ximena Moreno PhD Public Health Nutrition Unit, Institute of Nutrition and Food Technology (INTA), University of Chile, Santiago de Chile, (Chile)

P 174 • Relationship between the Changes over Time of Bone and Muscle Health in Children and Adults: A Systematic Review and Meta-Analysis

Locquet Médéa¹, Beaudart Charlotte¹, Durieux Nancy², Reginster Jean-Yves^{1,3}, Bruyère Olivier^{4,1} World Health Organization Collaborating Center for Public Health Aspects of Musculoskeletal Health and Aging, Department of Public Health, Epidemiology and Health Economics, University of Liège, Liège, Belgium ² ULiège Library, University of Liège, Liège, Belgium ³ Biochemistry Department, College of Science, King Saud University, Riyadh, Kingdom of Saudi Arabia ⁴ Department of Sports and Rehabilitation Sciences, University of Liège, Liège, (Belgium)

P 175 • Age-related change in appendicular skeletal muscle mass adjusted for height or arm span in middle-aged and elderly Japanese women: the Japanese Population-based Osteoporosis (JPOS) study

Kazuki Kaji, PT. MS¹, Jun Kitagawa, PhD², Yuki Hoshino, PT³, Takahiro Tachiki, PT. MS⁴, Naonobu Takahira, MD. PhD⁵, Masayuki Iki, MD. PhD⁶, Junko Tamaki, MD. PhD⁵, Etsuko Kajita, PhD⁶, Yuho Sato, PhD⁷, JPOS Study Group⁴ ⁽¹⁾ Department of Rehabilitation, Kitasato Institute Hospital, Tokyo, Japan ⁽²⁾ Graduate School of Medical Science, Kitasato University, Kanagawa, Japan ⁽³⁾ Kamakura Rehabilitation St. Therese's Hospital, Kanagawa, Japan ⁽⁴⁾ Department of Public Health, Kinki University Faculty of Medicine, Osaka, Japan ⁽⁵⁾ Department of Hygiene and Public Health, Osaka Medical College, Osaka, Japan ⁽⁶⁾ Department of Nursing, Chukyo Gakuin University, Gifu, Japan ⁽⁷⁾ Department of Human Life, Jin-ai University, Fukui, (Japan)

P 176 • Prevalence of prodromal sarcopenia, sarcopenic-obesity, osteopenia and osteosarcopenia in early middle-age

D. Waters PhD University of Otago Dept of Medicine and School of Physiotherapy New Zealand Dunedin Kim Meredith-Jones, PhD University of Otago Department of Medicine, Dunedin, New Zealand Lara Vlietstra, MS University of Otago Department of Medicine, Dunedin, (New Zealand)

P 177 • Influence of the new EWGSP2 consensus on research with presarcopenic and sarcopenic elderly

Jolan Dupont, MD¹, Lenore Dedeyne, MSc¹, Katrien Koppo, PhD², Sabine Verschueren, PhD³, Jos Tournou, MD, PhD^{1,4}, Evelien Gielen, MD, PhD^{1,4}, Gerontology & Geriatrics, Department of Chronic Diseases, Metabolism and Ageing (CHROMETA), KU Leuven, Leuven, Belgium ² Exercise Physiology Research Group, Department of Movement Sciences, KU Leuven, Leuven, Belgium ³ Research Group for Musculoskeletal Rehabilitation, Department of Movement Sciences, KU Leuven, Leuven, Belgium ⁴ Department of Geriatric Medicine, UZ Leuven, Leuven, (Belgium)

P 178 • Skeletal Muscle Index and Bone Variables in Young Adult Men

Anthony Khawaja MA^{1,2}, Jacques Prioux PhD³, Ghassan Maalouf MD³, Rawad El Hage PhD¹ ⁽¹⁾ Department of Physical Education, FASS, University of Balamand, Kelhat El Koura, Lebanon. ⁽²⁾ Movement, Sport, and Health Sciences Laboratory (M2S), UFR-STAPS, University of Rennes ³ Rennes, France. ⁽³⁾ Bellevue University Medical Center, Faculty of Medicine, Saint Joseph University, Mansourieh, (Lebanon)

P 179 • Predicting the risk of low Bone Mineral Density at diagnosis and completion of treatment of childhood Acute Lymphoblastic Leukemia

Emma J. Verwaaijen¹, Annelies Hartman², Mariël L. te Winke¹, Inge M. van der Sluis¹, Robert de Jonge³, Hester A. de Groot-Kruseman^{1,4}, Maarten H. Lequin⁵, Marry M. van den Heuvel-Eibrink¹, Saskia M.F. Pluijm¹ ⁽¹⁾ Princess Maxima Center for Pediatric Oncology, Utrecht, The Netherlands ⁽²⁾ Department of Pediatric Physiotherapy, Erasmus MC-Sophia Children's Hospital, Rotterdam, The Netherlands ⁽³⁾ Department of Clinical Chemistry, Amsterdam UMC, Amsterdam, The Netherlands ⁽⁴⁾ Dutch Childhood Oncology Group, The Hague, The Netherlands ⁽⁵⁾ Department of Radiology, University Medical Center, Utrecht, (The Netherlands)

P 180 • The prognostic effect of sarcopenia in patients treated with gemcitabine based chemotherapy for metastatic/unresectable pancreatic adenocarcinoma

K Shin Seoul St. Mary's hospital, The Catholic University of Korea 222 Banpo-daero, Seocho-gu, South Korea Seoul In Ho Kim, Myung Ah Lee División of Medical Oncology, Seoul St. Mary's Hospital, The Catholic University of Korea (South Korea)

P 181 • Association of Sarcopenia and mid arm circumference in older adults

Gevesh Chand Dewangan MBBS¹, Sunny Singhal MD¹, Sumitabh Singh MD¹, Avinash Chakraborty MD¹, Aparajit Ballav Dey MD¹ ⁽¹⁾ Department of Geriatric Medicine, All India Institute of Medical Sciences, New Delhi (India)

P 182 • Applying the EWGSP2: Effect of muscle strength definitions on sarcopenia prevalence and predictive validity

WS Lim^{1,2}, J Chew^{1,2}, JP Lim^{1,2}, L Tay³, N Hafizah⁴, YY Ding^{1,2} ⁽¹⁾ Department of Geriatric Medicine. Tan Tock Seng Hospital. Singapore ⁽²⁾ Institute of Geriatrics and Active Ageing. Tan Tock Seng Hospital. Singapore ⁽³⁾ Department of General Medicine (Geriatric Medicine), Sengkang General Hospital. Singapore ⁽⁴⁾ Department of Continuing and Community Care. Tan Tock Seng Hospital. (Singapore)

P 183 • Sleep disorders and their association with incident sarcopenia in community dwelling older Chileans

Myriam Gutiérrez MSc¹, Carlos Márquez MSc¹, Lydia Lera PhD¹, Patricio Peirano PhD², Cecilia Albala MD MPH¹. ⁽¹⁾ Public Health Nutrition Unit, Institute of Nutrition and Food Technology (INTA), University of Chile, Santiago, Chile ⁽²⁾ Sleep Laboratory, Institute of Nutrition and Food Technology (INTA), University of Chile, Santiago, (Chile)

P 184 • Sarcopenia, functional dependence and physical performance

Javier Davila MD¹, Daniel Gámez MD², Sara Yevevino MD³, Ricardo Salinas MD⁴, Mauricio Nava MD⁵, Blanca Gonzalez MFC Monterey (Mexico)

P 185 • Cut-off points of phase angle and its association with sarcopenic obesity in community-dwelling Mexican Older adults

López-Teros MT¹, Rosas-Carrasco, O². ¹ Universidad Iberoamericana, México, City, México. ² National Geriatric's Institute. México, City, (México)

P 186 • Sarcopenia, Osteoporosis and Frailty - do Patients understand what we are talking about ?

Tim Krappel, Student, Hochschule St.Gallen Dr.med. Ferdinand Krappel, Spitalzentrum Oberwallis, Brig (Switzerland)

P 187 • The correlation of muscle thickness and pennation angle assessed by ultrasound with sarcopenia in elderly Chinese community dwellers

Yunlu Sheng, MD, PhD¹, Siping Zhu MS¹, Wei Lin MS¹, Shu Chen BS¹, Guoxian Ding MD, PhD¹ ⁽¹⁾ Division of Geriatric Endocrinology, the First Affiliated Hospital of Nanjing Medical University, Nanjing, People's (Republic of China)

P 188 • Sarcopenia in hip fracture. the neglected risk

Sergio Chávez MD¹, Héctor Aguado MD, PhD¹, Carmen Cervera Díaz MD², Pilar M. Díez³, Eva Villanueva³, Clarisa Simón-Pérez MD PhD¹, Miguel A Martín-Ferrero MD PhD Prof¹ ⁽¹⁾ Orthogeriatric Unit, orthopaedic and trauma surgery, Hospital Clínico Universitario Valladolid, Spain ⁽²⁾ Orthogeriatric Unit, geriatric service, Hospital Clínico Universitario Valladolid, Spain ⁽³⁾ Medical school, Valladolid University, (Spain)

P 189 • Sarcopenia and fragility fractures. they are not all the same

Sergio Chávez MD¹, Héctor Aguado MD, PhD¹, Carmen Cervera Díaz MD², Lucía Piedra Dueñas³, Clarisa Simón-Pérez MD PhD¹, Miguel A Martín-Ferrero MD PhD Prof¹ ⁽¹⁾ Orthogeriatric Unit, orthopaedic and trauma surgery, Hospital Clínico Universitario Valladolid, Spain ⁽²⁾ Orthogeriatric Unit, geriatric service, Hospital Clínico Universitario Valladolid, Spain ⁽³⁾ Physiotherapist, Hospital Clínico Universitario Valladolid, (Spain)

P 190 • Exercise and sarcopenia. Shedding light on its effects

Sergio Chávez MD¹, Héctor Aguado MD, PhD¹, Carmen Cervera Díaz MD², Blanca Llorente Sanz³, Paula Ruiz Mesa³, Clarisa Simón-Pérez MD PhD¹, Miguel A Martín-Ferrero MD PhD Prof¹ ⁽¹⁾ Orthogeriatric Unit, orthopaedic and trauma surgery, Hospital Clínico Universitario Valladolid, Spain ⁽²⁾ Orthogeriatric Unit, geriatric service, Hospital Clínico Universitario Valladolid, Spain ⁽³⁾ Medical school, Valladolid University, (Spain)

P 191 • Impaired sensitivity to thyroid hormones is associated with sarcopenia in Chinese subjects

Yunlu Sheng, MD, PhD¹, Shu Chen BS¹, Yu Duan MD, PhD¹, Guoxian Ding MD, PhD¹ ⁽¹⁾ Division of Geriatric Endocrinology, the First Affiliated Hospital of Nanjing Medical University, Nanjing, People's (Republic of China)

P 192 • Serum myostatin modifications in hip fractured patients: a sub-group analysis of a 2 months multidisciplinary rehabilitative and nutritional randomized study

Marco Invernizzi MD, PhD¹, Alessandro de Sire MD^{1,2}, Lippi Lorenzo MD¹, Filippo Renò PhD³, Sergio Riso MD⁴, Carlo Cisarì MD¹ ⁽¹⁾ Physical and Rehabilitative Medicine, Department of Health Sciences, University of Eastern Piedmont, Novara, Italy ⁽²⁾ Rehabilitation Unit, "Mons. L. Novarese" Hospital, Moncrivello, Italy ⁽³⁾ Innovative Research Laboratory for Wound Healing, Department of Health Sciences, University of Eastern Piedmont, Novara, Italy ⁽⁴⁾ Clinical Nutrition Unit, AOU "Maggiore della Carità" Novara, (Italy)

P 193 • Effect of sarcopenia definition on diagnosis of osteosarcopenia and its clinical implications on falls, function and balance in older people

Walter Sepúlveda-Loyola^(1,2,3), Steven Phu^(2,3), Romy Conzade^(2,3,4), Ebrahim Bani Hassan^(2,3), Vanessa Probst⁽¹⁾, Gustavo Duque^(2,3) ⁽¹⁾ Program of Master and Doctoral degree in Rehabilitation Sciences, Londrina State University (UEL) and University North of Paraná (UNOPAR), Londrina, Brazil ⁽²⁾ Department of Medicine - Western Health, Melbourne Medical School, The University of Melbourne, St Albans, Victoria, Australia ⁽³⁾ Australian Institute for Musculoskeletal Science (AIMSS), The University of Melbourne and Western Health, St. Albans, Victoria, Australia ⁽⁴⁾ Helmholtz Zentrum München - German Research Center for Environmental Health (GmbH), Institute of Epidemiology, Neuherberg, (Germany)

P 194 • A meta-analysis on the health risk of low lean mass in older adults

Dottington Fullwood (EdD- University of Florida, Gainesville, FL, USA Erta Cenko- University of Florida, Gainesville, FL, USA Todd Manini, PhD - University of Florida, Gainesville, FL, (USA)

P 195 • Osteoporosis, sarcopenia and correlation between SARC-F and skeletal muscle mass by absorptiometry with dual-energy X ray absorptiometry (DXA) in Colombian population: pilot study

Cadena-Sanabria M. MD^{1,2,3}, Castrillon-Rodriguez MP, MD¹, Florez-Gonzalez AM, MD¹, Vergara J, MD¹, Roa A, MD¹, Fonseca L, MD¹, Quintero-Cure J, MD³, Parra-Zuluaga G, MD¹, Garay J, MD¹.¹ Semillero de investigación en Geriatria, Universidad Autónoma de Bucaramanga, ². Universidad Industrial de Santander. ³. Clínica FOSCAL, Bucaramanga, Colombia. ⁴. Universidad Nacional de Colombia.

P 196 • Predictive model for sarcopenia in older adults with chronic kidney disease, a study from Asian population

Ekkaphop Morkphorm MD¹, Chalobol Chalermisri MD², Aksara Kajornkijaroen MD³, Prasert Assantachai MD², Varalak Srinonprasert MD¹.¹ Division of Geriatric Medicine, Department of Medicine, Siriraj Hospital, Thailand ². Division of Geriatric Medicine, Department of Preventive and Social Medicine, Siriraj hospital, Thailand ³. Department of Medicine, Kratumbaen hospital, Thailand

OSTEOPOROSIS & FRAILTY

P 197 • The Effect of BPA on Bone Mineral Density(BMD) in Rats

Hyuntak Kang M.D., Daejin Nam M.D., Hongje Kang M.D. Department of Orthopedic surgery, wonkwang university hospital, Iksan, (Korea)

P 198 • The Relationship Between the FRAX[®]-Brazil and NOGG Platforms Results and the Bone Densitometry as a Complementary Tool in the Evaluation of Fracture Risk in One City of the South of Brazil

Claudia Cipriano Vidal Heluany MD, MSc¹, Gabriela Keller, MD¹, Luan Pedro Santos Rocha², Edson Rodrigues Garcia Filho², Isadora Zaniboni², Maria Eduarda Scherer Costi, MD³, Marian Felisberto, MD³ ¹ Geriatric Department, Medicine School, UNESC Universidade do Extremo Sul Catarinense, Criciuma, SC, Brazil ² Medicine's Student, Medicine School, UNESC Universidade do Extremo Sul Catarinense, Criciuma, SC, Brazil ³ Medicine School, UNESC Universidade do Extremo Sul Catarinense, Criciuma, SC, (Brazil)

PHYSICAL EXERCISE

P 199 • Effects of a short term exercise training protocol on the physical function of institutionalized frail older adults

Cristiane Batisti Ferreira¹, Gleiciane Gontijo Avelar², Athila Teles Dantas Maya¹, Paula Americano do Brasil¹, Vinícius Carolino Souza², Ricardo Moreno Lima³, Aparecido Pimentel Ferreira¹, Otávio Toledo Nóbrega².¹ Interdisciplinary Center for Research, Integrated Colleges Promove Brasília, Brasília, Brazil ² Graduation Program in Sciences, Medical Faculty, University of Brasília (UnB), Brasília, Brazil ³ Graduation Program in Physical Education, University of Brasília (UnB), Brasília, (Brazil)

P 200 • Low-intensity exercise suppresses myostatin pathway through androgen receptor in muscle cells

Bo-Kyung Son^{1,2}, Masato Eto¹, Yuki Ishida¹, Miya Oura¹, Masahiro Akishita¹ ¹ Department of Geriatric Medicine, Graduate School of Medicine ² Institute of Gerontology, The University of Tokyo, Tokyo, (Japan)

P 201 • Effects of a center and a home + center-based exercise program in pre-frail older women

Sabrine Nayara Costa¹, Edgar Ramos Vieira², Ryelen Nicole Santos de Abreu Garcia¹, Paulo Cesar Barauce Bento¹.¹ - Graduate Program in Physical Education, Federal University of Parana, Curitiba, PR, Brazil. ² Department of Physical Therapy, Florida International University, Miami, FL, (USA)

P 202 • Effects of a conventional and a virtual-reality based exercise program in older adults: preliminary results

Larissa Bastos Tavares¹, Idaliana Fagundes de Souza¹, Candice Simões Pimenta de Medeiros¹, Kim Mansur Yano¹, Fabrícia Azevêdo da Costa Cavalcanti¹, Edgar Ramos Vieira².¹ - Department of Physical Therapy, Federal University of Rio Grande do Norte, Natal, RN, Brazil. ² - Department of Physical Therapy, Florida International University, Miami, FL, (USA)

P 203 • A new algorithm to monitor physical activity and compliance to a home-based exercise program in (pre)sarcopenic elderly

Lenore Dedeigne¹, Jorgen Wullems², Jolan Dupont¹, Jos Toumoys³, Evelien Gielen^{1,3}, Sabine Verschuere².¹ Gerontology & Geriatrics, Department of Chronic Diseases, Metabolism and Ageing (CHROMETA), KU Leuven, Leuven, Belgium ² Research Group for Musculoskeletal Rehabilitation, Department of Movement Sciences, KU Leuven, Leuven, Belgium ³ Department of Geriatric Medicine, UZ Leuven, Leuven, (Belgium)

P 204 • Comparison of the physical work capacity and the muscular skeletal mass index before and after a supervised and controlled training program once a week for six months

Marcela Echavarría Calderón, MD¹ Luis Alberto Piragauta Ardilla, MD².¹ Resident of 3th year Medicine of Physical Activity and Sports, Fundación Universitaria de Ciencias de la Salud, Hospital de San José Bogotá. ² Medicine of Physical Activity and Sports. Assistant Instructor - Department of Physical Activity and Sports Medicine. Fundación Universitaria de Ciencias de la Salud, Hospital de San José, Bogota (Colombia)

P 205 • Feasibility study of Electronic Lifestyle Activity Tracker (ELAT)-based intervention for managing general fatigue in community-dwelling frail older people

Justina Yat Wa, LLU, School of Nursing, The Hong Kong Polytechnic University, Kowloon, Hong Kong. Rick Yiu Cho KWNA, School of Nursing, The Hong Kong Polytechnic University, Kowloon, Hong Kong. Keith D HILL, School of Physiotherapy, Faculty of Health Sciences, Curtin University, Perth, WA, Australia. Paul Lee, School of Nursing, The Hong Kong Polytechnic University, Kowloon, Hong Kong. Xue BAI, Department of Applied Social Sciences, The Hong Kong Polytechnic University, Hong Kong Judy SIU, Department of Applied Social Sciences, The Hong Kong Polytechnic University, (Hong Kong)

P 206 • How is the physical performance according to frailty groups in older Veterans?

Raquel Aparicio-Ugarriza, PhD^{1,2} Marianne Turner, MD², Michael J. Mintzer, MD^{2,3} Hermes Florez, MD, PhD^{1, 2}, Jorge G. Ruiz, MD^{2,4}.¹ Department of Public Health Sciences, Miller School of Medicine, University of Miami, Miami, FL 33136, USA. ² Geriatrics Research, Education, and Clinical Center (GRECC), Miami Veterans Affairs Healthcare System, Miami, FL, USA. ³ FIU Herbert Wertheim College of Medicine, Miami, FL, USA. ⁴ Department of Medicine, Miller School of Medicine, University of Miami, Miami, FL 33136, (USA)

P 207 • Effects of a simultaneous dual-task multicomponent program on physical, cognitive and dual-task performance: the Aging-ONDUAL-TASK study

Ana Rodriguez-Larad, PhD¹, Haritz Arrieta MSc¹, Jon Irazusta PhD¹, Susana Maria Gil PhD¹, Jose Javier Yanguas PhD², Ander Espin BSc¹, Maider Kortajarena PhD³, Inmaculada Lora BSc¹, Chloe Rezola-Pardo MSc^{1,1} ¹ Department of Physiology, University of the Basque Country, Leioa, Bizkaia, Spain ² Fundación Bancaria La Caixa, Programa de Mayores. Palma (Illes Balears), Spain ³ Department of Nursing II, University of the Basque Country, Donostia-San Sebastian, Gipuzkoa, Spain. ⁴ DomusVi, Donostia-San Sebastian, Gipuzkoa, (Spain)

P 208 • Effects of Music-based Multitask Exercise (Jaques-Dalcroze Eurhythmics) versus Multicomponent Exercise on Physical Function, Falls and Brain Plasticity in Older Adults: A Randomized Controlled Trial

Mélany Hars, PhD¹, Natalia Fernandez, PhD², François Herrmann, MD³, René Rizzoli, MD¹, Gabriel Gold, MD³, Patrik Vuilleumier, MD², Andrea Trombetti, MD^{1,3}.¹ Division of Bone Diseases, Department of Internal Medicine Specialties, Geneva University Hospitals and Faculty of Medicine, Geneva, Switzerland ² Laboratory for Behavioural Neurology and Imaging of Cognition, Campus Biotech, University of Geneva, Geneva, Switzerland ³ Division of Geriatrics, Department of Internal Medicine, Rehabilitation and Geriatrics, Geneva University Hospitals and Faculty of Medicine, Thônex, Switzerland

P 209 • Accuracy of total and exercise steps on a pedometer compared to a smartphone application

Christopher Wu, MD, Kwame Thompson, Rafay Latif, MD, Fortune Oko, MD, Abiola Oke, MD, Donald P. Kotler, MD Jacobi Medical Center, Albert Einstein College of Medicine, Coalition on Positive Health Empowerment Bronx New York (USA)

P 210 • Insulin resistant older obese women are better responders to resistance training

Philippe Noiret PhD^{1,2}, Sami Behaïem¹, Anthony D. Karelis PhD², Mylène Aubertin-Leheudre PhD², Jean-Frédéric Brun MD, PhD³.¹ UFR STAPS - IRMES, EA7329, Université Paris Descartes, Paris, France ² Département des sciences de l'activité physique, UQAM, Montréal, Canada ³ CHU, Université de Montpellier, Montpellier, (France)

P 211 • Effects of body mass-based resistance training, including explosive motion on muscle functions in community-dwelling elderly: A randomized controlled trial-quick report

Tomoharu Kitada¹, Aiko Inoue¹, Hiroyuki Umegaki², Joji Onishi², Hiroshi Akima², Koji Ishida², Masahumi Kuzuya².¹ Institute of Innovation for Future Society, Nagoya University, Nagoya, Japan. ² Department of Community Healthcare & Geriatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan. ³ Research Center of Health, Physical Fitness & Sports, Nagoya University, Nagoya, (Japan)

P 212 • Both Neuromotor and Resistance training improve functional mobility and physical fitness in healthy older women

Forte R. PhD¹, De Vito G. MD, PhD².¹ Department of Human Movement and Sports Sciences, University of Rome Foro Italico, Rome, Italy. ² School of Public Health, Physiotherapy and Sports Science, University College Dublin, Health Sciences Centre Belfield Dublin 4, (Ireland)

P 213 • Resistance exercise program and food re-education in the control of non transmissible chronic diseases

Joan Faber, MD. Surgery Specialist Hospital and Emergency Room (HPS) Myrian Abecassis Faber, PhD. Universidade do Estado do Amazonas/ LPEMH - Laboratory of Research and Studies in Human Motricity Samara da Silva Feitosa, Mstnda ; Universidade do Estado do Amazonas/LPEMH - Laboratory of Research and Studies in Human Motricity José David e Silva Gomes, Physical Education professional.; LPEMH - Laboratory of Research and Studies in Human Motricity Rildo Figueiredo Pinheiro, MSc. Universidade do Estado do Amazonas/ LPEMH - Laboratory of Research and Studies in Human Motricity (Brazil)

BIOLOGY

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S Kim, Seoul National University College of Medicine and Boramae Medical Center; A Ram Hong Kwangsoo Kim Ji Yeon Lee Jae-Yeon Yang Jung Hee Kim, South Korea (Seoul)

STEM CELL

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Meiling Ge^{1,2}, *Birong Dong*¹, The Center of Gerontology and Geriatrics, West China Hospital, Sichuan University Guoxue Lane, Chengdu, China² The Center on Aging and Health, Johns Hopkins University School of Medicine, Baltimore, MD, (USA)

FUNCTIONAL ASSESSMENT

P 216 • Gender differences in trajectories of physical performance in older adults: Findings from the International Mobility in Aging Study

Tamer Ahmed⁽¹⁾ Presenting *Simon French*⁽²⁾ *Emmanuelle Belanger*⁽³⁾ *Ricardo Guerra*⁽⁴⁾ *Maria Victoria Zunzunegui*⁽⁵⁾ *Mohamed Auais*⁽¹⁾⁽¹⁾ Queens University, Kingston, ON, Canada⁽²⁾ Macquarie University, Sydney, Australia⁽³⁾ Brown University, Providence, USA⁽⁴⁾ Universidade Federal do Rio Grande do Norte, Natal, Brazil⁽⁵⁾ University of Montreal, Montreal, QC, (Canada)