

17th Edition **2027**



**Intrinsic Capacity, Frailty
& Sarcopenia Research Conference
for Healthy Longevity**



CANNES, FRANCE
MARCH 2-5, 2027

JFA
THE JOURNAL
OF FRAILTY
& AGING



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PRELIMINARY SCIENTIFIC PROGRAM

*17th Intrinsic Capacity, Frailty & Sarcopenia Research for Healthy Longevity
Conference*

**Intrinsic Capacity
Frailty & Sarcopenia
Research Conference
for Healthy Longevity**



DAY 1 Tuesday, March 2, 2027

Time	PLENARY SESSION · Théâtre
14:00–15:00	Poster walking tour
15:00–15:10	Welcome Peter Abadir, Johns Hopkins University, Baltimore, USA; Roger Fielding, Tufts University, Boston, USA; Bruno Vellas, IHU HealthAge, Toulouse, France & Jeremy Walston Lifetime Achievement Award presented to Dr. Alfonso Cruz-Jentoft
15:10–15:30	Keynote 1: Sarcopenia, Where Are We Now? <u>Alfonso J. Cruz-Jentoft</u> , Geriatric Department, Hospital Universitario Ramón y Cajal, Madrid, Spain Introduction: Roger Fielding, Tufts University, Boston, USA
15:30–16:40	Oral communications, plenary session 1 Chair: Yves Rolland, IHU HealthAge, Toulouse, France
15:30	OC01 Longitudinal proteomics across two decades uncover distinct molecular processes of intrinsic capacity decline <u>Naisha SHAH</u> ¹ , Lucija KLARIC ¹ , Arne SØRAAS ² , Karl Trygve KALLEBERG ² , Timo BRAUN ² , Andreas ENGVIG ² , Geir SELBÆK ³ , Chris PATIL ¹ , Joseph RODGERS ¹ , Eric MORGEN ¹ , Peng LEONG ¹ , Kristen FORTNEY ¹ ¹ BioAge Labs, Emeryville, USA; ² Age Labs, Oslo, Norway; ³ Norwegian National Centre for Ageing and Health, Vestfold Hospital Trust, Tønsberg, Norway
15:40	OC02 A Plasma Proteomic Aging Module Accelerates in Midlife and is Linked to Mortality and Frailty <u>Xiao-Jun MA</u> ¹ , Henry HUANG ¹ , Jesse R. POGANIK ² , Mahdi MOQRI ² , Dane GOBEL ³ , Vadim N. GLADYSHEV ² , Carlos CRUCHAGA ⁴ , Ellen LIU ⁴ , Niyati JHAVERI ¹ , Bingqing ZHANG ¹ , Dwight KUO ¹ , Yuling LUO ¹ ¹ Alamar Biosciences, Fremont, USA; ² Harvard Medical School, Boston, USA; ³ Methuselah Foundation, Springfield, USA; ⁴ Washington University School of Medicine, St. Louis, USA
15:50	OC03 The effect of tirzepatide on body composition, muscle strength, and physical performance in older adults with obesity: a pilot study <u>Denise HOUSTON</u> , Jamy ARD, Charlotte CROTTS, Dixie YOW, Elizabeth FLYNT, Xiaoyan LENG, Stephen KRITCHEVSKY Wake Forest University School of Medicine, Winston Salem, USA
16:00	OC04 Core Outcome Set (COS) for sarcopenia intervention studies: consensus outcomes for future clinical trials <u>Sophie VAN HEDEN</u> ¹ , Dolores SANCHEZ-RODRIGUEZ ^{1,2} , Olivier BRUYÈRE ³ , Jean-Yves REGINSTER ⁴ , Murielle SURQUIN ² , Charlotte BEAUDART ¹ ¹ Namur Research Institute For Life Sciences (nailis), Faculty Of Medicine, University Of Namur, Namur, Belgium, ² Université Libre de Bruxelles, Brussels, Belgium, ³ University of Liège, Liège, Belgium, ⁴ King Saud University, Riyadh, Saudi Arabia
16:10	OC05 Scaling Effective Lifestyle Interventions for Older Adults: From Clinical Trials to Translation <u>Susan HUGHES</u> , Rob MOTL, Tanvi BHATT, Andrew DEMOTT University of Illinois Chicago, Chicago, USA
16:20	OC06 Implementing Integrated Care for Older People (ICOPE) in Norway: Readiness, Municipal Experience, and Data-Driven Innovation <u>Brooke HOLLISTER</u> ¹ , Kristin JEPPESTØL ¹ , Susanne HERNES ² ¹ Center for Care Research, UIA, Grimstad, Norway; ² Sørlandet Hospital Trust, Kristiansand, Norway

Time	PLENARY SESSION · Théâtre
16:30	OC07 The THRIVE Project: A Federated Approach to Developing Intrinsic Capacity Constructs Predictive of Adverse Health Outcomes Across Population-Based Cohorts <u>Gustavo DUQUE</u>¹, Raman AGNIHOTRAM², Hidenori ARAI³, Marc ARCENS⁴, Ivan BALTASAR-FERNANDEZ⁵, Reshma AZIZ MERCHANT⁶, Isabel BARRIENTOS-CALVO⁷, Miguel G. BORDA⁸, Liang-Kung CHEN⁹, Tiago DA SILVA ALEXANDRE¹⁰, Alberto FRISOLI JR¹¹, Francisco Jose GARCÍA-GARCÍA⁵, Sean LENG¹², Marc SIM¹³, Chang-Wong WONG¹⁴ ¹Division of Geriatric Medicine, McGill University, Montreal, Canada; ²Research Institute of the McGill University Health Centre, Montreal, Canada; ³National Center for Geriatrics and Gerontology, Nagoya, Japan; ⁴Geneva University Hospital, Geneva, Switzerland; ⁵GENUD Toledo Research Group, Faculty of Sport Sciences, University of Castilla-La Mancha, Toledo, Spain; ⁶National University Hospital and National University of Singapore, Singapore; ⁷Research Unit, National Hospital of Geriatrics and Gerontology, and University of Costa Rica, San Jose, Costa Rica; ⁸Centre for Age-Related Medicine (SESAM), Stavanger University Hospital, Stavanger, Norway; ⁹Center for Healthy Longevity and Aging Sciences, National Yang Ming Chiao Tung University, Taipei, Taiwan; ¹⁰Department of Epidemiology and Public Health, University College London, London, UK; ¹¹Ambulatório de Cardiologia Geriátrica, Divisão de Cardiologia, Escola Paulista de Medicina, Universidade Federal de São Paulo, São Paulo, Brazil; ¹²Johns Hopkins Center on Aging and Immune Remodeling, Division of Geriatric Medicine and Gerontology, Johns Hopkins University School of Medicine and Bloomberg School of Public Health, Baltimore, USA; ¹³Nutrition & Health Innovation Research Institute, Edith Cowan University, Joondalup, Australia; ¹⁴Department of Family Medicine, Kyung Hee University Medical Center, Seoul, South Korea
16:40– 17:20	Symposium 1: Bridging Body and Brain: Physical Determinants of Cognitive Aging in Humans and Mice Chair: Kelsey Collins, UCSF Department of Orthopedic Surgery, San Francisco, USA Presentation 1: Sex differences in physical performance predictors of cognitive aging <u>Stephen B. Kritchevsky</u>, Wake Forest University School of Medicine, Winston-Salem, USA Presentation 2: Pain and structural knee osteoarthritis are differentially associated with cognitive function in older adults <u>Theresa Mau</u>, San Francisco Coordinating Center, and UCSF Department of Epidemiology and Biostatistics, San Francisco, USA Presentation 3: Osteoarthritis impairs cognitive healthspan without shortening lifespan in aging mice <u>Kelsey H. Collins</u>, UCSF Department of Orthopedic Surgery, San Francisco, USA
17:20– 17:50	Late-breaking communications, plenary session 1
17:50– 18:30	Symposium 2: How to Start an ICOPE Initiative in your Location: Lessons from Quebec, Singapore, and New Mexico (USA) Chair: Luis Miguel F. Gutiérrez Robledo, Instituto Nacional de Geriatria, Mexico City, Mexico Presentation 1: ICOPE Implementation in New Mexico: A Medicaid Partnership <u>Giselle Rodriguez de Sosa</u>, University of New Mexico School of Medicine, Albuquerque, USA Presentation 2: Intrinsic Capacity as a Framework for Integrated Health and Social Care: The Singapore SPICE Experience <u>Reshma A. Merchant</u>, National University Health System and Yong Loo Lin School of Medicine, National University of Singapore, Singapore Presentation 3: Using Technology to Increase Participation and Impact: The Experience of ICOPE Quebec <u>Gustavo Duque</u>, McGill University, Montreal, Canada
18:30– 19:30	Welcome reception & poster/exhibit walking tour

DAY 2 Wednesday, March 3, 2027

Time	PLENARY SESSION · Théâtre
8:00–8:40	Welcome coffee & poster walking tour
8:40–9:10	Late-breaking communications, plenary session 2
9:10–9:35	Keynote 2: The Challenge of Multi-Domain/Composite Endpoints in Healthy Longevity Trials <u>Stephen Kritchevsky</u> , Wake Forest University School of Medicine, Winston-Salem, USA Introduction: Bruno Vellas, IHU HealthAge, Toulouse, France
9:35–10:05	Roundtable 1: ICFSR Task Force: Intrinsic Capacity as an Aging Trajectory Primary Endpoint for RCT, What Must Be Done Bruno Vellas, IHU HealthAge, Toulouse, France; John Beard, Columbia University, New York, USA; Andrew Brack, ARPA-H, Washington, DC, USA; Roger Fielding, Tufts University, Boston, USA; John Newman, Buck Institute on Aging, Novato, USA
10:05–10:35	Coffee break & poster session
10:35–11:05	Late-breaking communications, plenary session 3
11:05–11:45	Symposium 3: Targeting MAS receptor to preserve muscle function: from receptor pharmacology to Phase 3 in sarcopenia and to incretin-induced muscle loss Chair: Roger Fielding, Tufts University, Boston, USA Presentation 1: MAS receptor signaling and the muscle biology of BIO101 (20E) <u>Stanislas VEILLET</u> , Biophytis, Ivry sur Seine, France Presentation 2: Sarcopenia: from Phase 2 SARA-INT to Phase 3: from gait speed to mobility disability <u>Roger Fielding</u> , Tufts University, Boston, USA Presentation 3: Obesity: Preserving muscle during incretin-induced weight loss: the OBA trial <u>Marc Andre Cornier</u> , Medical University of South Carolina, Charleston, USA
11:45–12:15	Roundtable 2: The Future of Frailty: Making Good on the Field's Promise for Older Adults Chairs: Peter Abadir, Johns Hopkins University School of Medicine, Baltimore, USA; Howard Bergman, McGill University, Montreal, Canada Panelists: Karen Bandeen-Roche, Johns Hopkins Bloomberg School of Public Health, Baltimore, USA; Qian-Li Xue, Johns Hopkins University School of Medicine, Baltimore, USA; Sathya Karunanathan, University of Ottawa, Ottawa, Canada
12:15–12:45	Late-breaking communications, plenary session 4
12:45–14:00	Lunch & poster session

PARALLEL SESSIONS		
Time	Théâtre	Méditerranée
14:00–15:20	Oral communications Track A: Intrinsic Capacity & Healthy Longevity Geroscience, ICOPE implementation	Oral communications Track B: Frailty & Sarcopenia Mechanisms, diagnosis, interventions

PARALLEL SESSIONS		
Time	Théâtre	Méditerranée
14:00	OC08 Characterizing intrinsic capacity in a preclinical mouse model <u>I-Tzu CHEN</u>^{1,2}, Yohan SANTIN^{1,3}, Wan-Hsuan LU^{1,2}, Yves ROLLAND^{1,4}, Fei-Yuan HSIAO^{5,6}, Liang-Kung CHEN^{2,7}, Bruno VELLAS^{1,4}, Bruno Pierre GUIARD^{1,8}, Angelo PARINI^{1,3}, Philippe DE SOUTO BARRETO^{1,4} ¹IHU HealthAge, Toulouse, France; ²Center for Healthy Longevity and Aging Sciences, National Yang Ming Chiao Tung University, Taipei, Taiwan; ³IMC, Institut Des Maladies Métaboliques Et Cardiovasculaires, Inserm UMR 1297, University of Toulouse III, Toulouse, France; ⁴Institut du Vieillissement, Gérontopôle de Toulouse, Centre Hospitalo-Universitaire de Toulouse, Toulouse, France; ⁵Graduate Institute of Clinical Pharmacy, College of Medicine, National Taiwan University, Taipei, Taiwan; ⁶School of Pharmacy, College of Medicine, National Taiwan University, Taipei, Taiwan; ⁷Center for Geriatrics and Gerontology, Taipei Veterans General Hospital, Taipei, Taiwan; ⁸Research Center on Animal Cognition (CRCA), Center of Integrative Biology (CBI), CNRS - University of Toulouse, Toulouse, France	OC16 NNMT inhibition increased muscle strength during semaglutide-induced weight loss in a mouse model of sarcopenic obesity <u>Harshini NEELAKANTAN</u>, Stanley WATOWICH Ridgeline Therapeutics, Houston, USA
14:10	OC09 Metformin slows selected epigenetic clocks of biological age in older adults with glucose intolerance <u>Jacob T. HOLMES</u>¹, T. Em ARPAWONG², Eric T. KLOPACK³, Zhaohong FENG⁴, Robert BROOKE⁵, Steve HORVATH⁶, Jonathan WANAGAT⁶, Nicolas MUSI⁴, Sara E. ESPINOZA⁴ ¹University of Southern California and Cedars-Sinai, Los Angeles, USA; ²University of Southern California, Los Angeles, USA; ³University of Southern California and Indiana University Bloomington, Los Angeles, USA; ⁴Cedars-Sinai, Los Angeles, USA; ⁵Epigenetic Clock Development Foundation, Torrance, USA; ⁶The University of California, Los Angeles, USA	OC17 Skeletal muscle adaptation to prolonged fasting and the role of exercise in lean-mass preservation <u>Robin MESNAGE</u>^{1,2}, Andrés BAENA-RAYA³, Marie KNUFINKE^{1,4}, Magalie VIALLO⁵, Franziska GRUNDLER¹, Antoine NAËGEL⁵, Borja MARTINEZ-TELLEZ⁶, Pierre CROISILLE⁵ ¹Buchinger Clinics, Überlingen, Germany; ²King's College London, London, UK; ³Leiden University Medical Center, Leiden, Netherlands; ⁴ETH Zurich, Zurich, Switzerland; ⁵University of Lyon, Lyon, France; ⁶University of Almería, Almería, Spain
14:20	OC10 Five data-driven intrinsic capacity dimensions from 1,233 measures predict mortality and functional decline: preliminary results from the THRIVE project in the Canadian Longitudinal Study on Aging <u>Mahdi IMANI</u>, Anna ANDRIANOVA, Tal MEKORI, Hussein SAMHAT, Christina WOLFSON, Claire GODARD-SEBILLOTTE, Alexandra PAPAIOANNOU, Gustavo DUQUE McGill University, Montreal, Canada	OC18 Effectiveness of a technology-enhanced, tailored multicomponent falls prevention programme for community-dwelling older adults at high risk of falls <u>Jing Wen GOH</u>¹, Kok Yang TAN¹, David Bruce MATCHAR^{2,3}, Angelique Wei-Ming CHAN^{1,2} ¹Centre for Ageing Research & Education (CARE), Duke-NUS Medical School, National University of Singapore, Singapore; ²Programme in Health Services Research and Population Health (HSRPH), Duke-NUS Medical School, National University of Singapore, Singapore; ³Department of Medicine (General Internal Medicine), Duke University, Durham, USA
14:30	OC11 Inherited mitochondrial DNA variants are associated with performance fatigability: the Study of Muscle, Mobility and Aging (SOMMA) <u>Emma GAY</u>¹, Tyler MANSFIELD², James DELANY³, Gregory TRANAH^{2,4}, Rebecca DEEK¹, Brenda DIERGAARDE^{1,5}, Samaneh FARSIJANI¹, Michael JURZCAK⁶, Stephen KRITCHEVSKY⁷, Paul COEN³, Nancy GLYNN¹ ¹University of Pittsburgh, School of Public Health, Pittsburgh, USA; ²California Pacific Medical Center Research Institute, San Francisco, USA; ³AdventHealth, Translational Research Institute, Orlando, USA; ⁴University of California San Francisco, San Francisco, USA; ⁵UPMC Hillman Cancer Center, Pittsburgh, USA; ⁶University of Pittsburgh, School of Medicine, Pittsburgh, USA; ⁷Wake Forest University School of Medicine, Winston-Salem, USA	OC19 Chronological age obscures the shared trajectory of physical frailty: development and external validation of a frailty progression staging tool <u>Michael BENE</u>¹, William FOUNTAIN², Ashton OMDAHL¹, Rebecca KEENER¹, Radhika JANGI¹, Qian-Li XUE¹, David BENNETT³, Alexis BATTLE¹, Karen BANDEEN-ROCHE¹, Peter ABADIR¹ ¹Johns Hopkins University School of Medicine, Baltimore, USA; ²Indiana University, Indianapolis, USA; ³Rush University, Chicago, USA

PARALLEL SESSIONS		
Time	Théâtre	Méditerranée
14:40	OC12 Clinically Relevant Changes for Intrinsic Capacity in Community-Dwelling Older Adults <u>Wan-Hsuan LU</u>, Philippe DE SOUTO BARRETO, Bruno VELLAS IHU HealthAge, Toulouse, France	OC20 IFNγ-CXCL9-CXCR3 immune-trafficking axis couples T-cell trafficking to skeletal muscle remodelling in human physical frailty <u>Vanda HO</u>^{1,2}, Shi CHEN², Arnab RAY³, Hui San CHIN⁴, Frederick KOH⁵, Shifeng XUE³, Heng Boon LOW⁶, Dorcas CHIA⁶, Sylvie ALONSO⁷, Arne AKBAR⁸, Catherine ONG^{1,7}, Paul MACARY⁹ ¹Department of Medicine, National University Hospital, Singapore; ²Immunology Translational Research Programme, Department of Medicine, National University of Singapore, Singapore; ³Department of Biology, National University of Singapore, Singapore; ⁴Research Office, Sengkang General Hospital, Singapore; ⁵Duke-NUS Muscle Health Program, SingHealth, Singapore; ⁶Department of Medicine, National University of Singapore, Singapore; ⁷Infectious Diseases Translational Research Programme, Department of Microbiology and Immunology, Department of Medicine, National University of Singapore, Singapore; ⁸Division of Infection and Immunity, Faculty of Medical Sciences, University College London, London, UK; ⁹Immunology programme, Life Sciences Institute, National University of Singapore, Singapore
14:50	OC13 Development and validation of an intrinsic capacity score in a Swedish aging cohort: longitudinal trajectories and temporal dynamics with frailty <u>Silvia OTTAVIANI</u>^{1,2}, Jonathan K L MAK^{2,3}, Thais LOPES DE OLIVEIRA², Ida K KARLSSON², Alessio NENCIONI^{1,4}, Fiammetta MONACELLI^{1,4}, Chandra A REYNOLDS⁵, Sara HÄGG², Juulia JYLHÄVÄ^{2,6} ¹Department of Internal Medicine and Medical Specialties, University of Genoa, Genoa, Italy; ²Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden; ³Department of Pharmacology and Pharmacy, Li Ka Shing Faculty of Medicine, The University of Hong Kong, Hong Kong, China; ⁴IRCCS AOM Ospedale Policlinico San Martino, Genoa, Italy; ⁵Institute for Behavioral Genetics and Department of Psychology and Neuroscience, University of Colorado Boulder, Boulder, Colorado, USA; ⁶Faculty of Medicine and Health Technology, Tampere University, Tampere, Finland	OC21 How Much Could We Invest in Interventions to Reduce Sarcopenia? An Early Economic Modelling Study <u>Mickael HILIGSMANN</u>¹, Habtemariam HABTEWELD², Sophie VAN HEDEN², Olivier BRUYÈRE³, Jean-Yves REGINSTER⁴, Charlotte BEAUDART² ¹Maastricht University, Maastricht, Netherlands; ²University of Namur, Namur, Belgium; ³University of Liège, Liège, Belgium; ⁴King Saud University, Riyadh, Saudi Arabia
15:00	OC14 Intervention responsiveness of physical and mental capacities in older adults: analyses of the LIFE and SPRINTT randomised trials <u>Stefano CACCIATORE</u>^{1,2}, Riccardo CALVANI³, Javier TAMARGO¹, Matteo TOSATO³, Hyung-Suk YOON¹, Jae Jeong YANG¹, Christiaan LEEUWENBURGH¹, Matteo CESARI⁴, Stephen D. ANTON¹, Francesco LANDI³, Todd M. MANINI¹, Emanuele MARZETTI³ ¹University of Florida, Gainesville, USA; ²University College Cork, Cork, Ireland; ³Fondazione Policlinico Universitario Agostino Gemelli IRCCS, Università Cattolica del Sacro Cuore, Rome, Italy; ⁴University of Milan, Milan, Italy	OC22 Beyond sarcopenia: identifying multidimensional phenotypes of muscle health <u>Emilie MYLEMANS</u>, Stany PERKISAS, Sophie BASTIJNS, Femke ARIËN, Anne-Marie DE COCK University of Antwerp, ZAS Middelheim Hospital, Antwerp, Belgium

PARALLEL SESSIONS		
Time	Théâtre	Méditerranée
15:10	OC15 Trajectories of Intrinsic Capacity and Frailty Preceding Incident Cardiovascular Events in Older Adults. <u>Joanne RYAN</u>¹, Zimu WU¹, Sara ESPINOZA², Aung PHYO¹ ¹Monash University, Melbourne, Australia; ²Cedars-Sinai Health Sciences University, Los Angeles, USA	OC23 Frailty, Age and the Association of Systolic Blood Pressure With Long-Term Mortality and Cardiovascular Events in Older Adults With Hypertension: A Nationwide Cohort Study <u>Yu-Chen CHEN</u>¹, Fei-Yuan HSIAO², Liang-Kung CHEN³, Shih-Tsung HUANG¹ ¹Department of Pharmacy, College of Pharmaceutical Sciences, National Yang Ming Chiao Tung University, Taipei, Taiwan; ²Graduate Institute of Clinical Pharmacy, College of Medicine, National Taiwan University, Taipei, Taiwan; ³Center for Healthy Longevity and Aging Sciences, National Yang Ming Chiao Tung University, Taipei, Taiwan
15:20–15:50	Coffee break & poster session, Rising Stars Session 1	
15:50–17:20	Oral communications Track A: Intrinsic Capacity & Healthy Longevity <i>Geroscience, ICOPE implementation</i>	Biotech Showcase 1 Chairs: Andrea Pfeiffer, Lausanne, Switzerland; Yves Rolland, IHU HealthAge, Toulouse, France
15:50	OC24 Geroscience Pipeline in 2026: drugs Targeting the Hallmarks of Aging Davide ANGIONI¹, Federico BELLELLI¹, Emeline MICHEL¹, Philippe DE SOUTO BARRETO¹, Lucas ALEXANDRE¹, Stefano DONEGA¹, Matteo CESARI², Jeffrey CUMMINGS³, Luigi FERRUCCI⁴, Laurent BALARDY¹, Sandrine SOURDET¹, Yves ROLLAND¹, Bruno VELLAS¹ ¹IHU HealthAge, Toulouse, France; ²Università di Milano, Milano, Italy; ³University of Nevada, Las Vegas, USA; ⁴National Institute on Aging, Baltimore, USA	15:55 BT01 Vital-iT: An Automated Platform for Functional Vital Signs and Frailty-Informed Care <u>Jason JOHANNING</u> University of Nebraska Medical Center, Omaha, USA
16:00	OC25 Operationalizing WHO Intrinsic Capacity Across Care Settings: Distinct Longitudinal Trajectories in Complex Continuing Care Using interRAI Data <u>Bonaventure EGBUJIE</u>^{1,2}, Jake TRAN², Cherina CYBORSKI², John HIRDES¹, George HECKMAN^{3,4} ¹School of Public Health Sciences, University of Waterloo, Waterloo, Canada; ²The Salvation Army Toronto Grace Health Centre, Toronto, Canada; ³Lawson Health Research Institute and Department of Medicine, Western University, London, Canada; ⁴Department of Medicine, Western University, London, Canada	16:01 BT02 TAC compounds attenuate age-related decline in muscle function in aged mice, with reversal of cell and tissue senescence <u>Sharon SHACHAM</u> Regenimo BioSciences, Miami, USA
16:10	OC26 Associations between impaired intrinsic capacity and emergency room visits among community-dwelling older adults <u>Wen-Hsuan HOU</u>¹, Chung-Yi LI², Chiachi Bonnie LEE³ ¹Taipei Medical University, Taipei, Taiwan; ²National Cheng Kung University, Tainan, Taiwan; ³National Health Research Institutes, Yunlin, Taiwan	16:07 BT03 Beyond age prediction: responsiveness and reliability of epigenetic, proteomic, and functional aging biomarkers <u>Raghav SEHGAL</u> Harvard University, Boston, USA
16:20	OC27 Can Smartphones and Wearables Provide Regulatory Endpoints for Products Aimed at Improving Age-Related Disabilities and Healthy Longevity? <u>G. Alexander FLEMING</u>¹, Michael SNYDER² ¹The Kitalys Institute, Charlottesville, USA; ²Stanford University, Stanford, USA	16:13 BT04 MyoTest: an artificial intelligence sarcopenia case-finding platform built on a deeply phenotyped Korean sarcopenia biobank <u>Jung Woo LEE</u> Yonsei University Wonju College of Medicine, Wonju, South Korea; Biobytes, Chuncheon, South Korea

PARALLEL SESSIONS		
Time	Théâtre	Méditerranée
16:30	OC28 Plasma Biomarkers of Alzheimer's Disease and Related Dementias and their Association with Intrinsic Capacity Joanne RYAN ¹ , Zimu WU ¹ , Michelle MIELKE ² , Anne MURRAY ³ , Haoxin ZHENG ¹ , Aung PHYO ¹ , Heike BISCHOFF-FERRARI ⁴ <i>¹Monash University, Melbourne, Australia; ²Wake Forest University, Winston-Salem, USA; ³Hennepin Healthcare Research Institute, Minneapolis, USA; ⁴University of Basel, Basel, Switzerland</i>	Late-breaking communication
16:40	OC29 The systemic milieu as a translatable therapeutic target and biomarker source for cognitive frailty Seth THOMPSON ¹ , Chelsea RUGEL ¹ , Maddlyn HALLER ² , Kaitlyn MATHAS ² , Han VAN ³ , Yi WANG ³ , Jeffrey SAVAS ³ , Mitra LAVASANI ¹ <i>¹Shirley Ryan Abilitylab and Northwestern University, Chicago, USA; ²Shirley Ryan Abilitylab, Chicago, USA; ³Northwestern University, Chicago, USA</i>	Late-breaking communication
16:50	OC30 Skeletal muscle aging in long-living mice: Muscle characteristics and function Holly BROWN-BORG ¹ , Matthew JOHNSTON ¹ , Taylor PAINTER ¹ , Kingsley EKUMI ¹ , Ladora THOMPSON ² <i>¹University of North Dakota, Grand Forks, USA; ²Boston University, Boston, USA</i>	Late-breaking communication
17:00	OC31 Comparison of six intrinsic capacity scoring methods for predicting 2-year fall and fall injury risk across cohorts Lingxiao HE ¹ , Xiaodong CHEN ² , Mingyue GAO ³ , Laikang YU ¹ <i>¹Beijing Sport University, Beijing, China; ²Shantou University, Shantou, China; ³Sichuan University, Chengdu, China</i>	Late-breaking communication
17:10	Late-breaking communication	Late-breaking communication
17:20	End of the conference day and poster tour	

DAY 3 Thursday, March 4, 2027

Time	PLENARY SESSION · Théâtre
8:00–8:40	Poster walking tour
8:40–9:20	Oral communications, plenary session 2 Chairs: Philippe de Souto Barreto, IHU HealthAge, Toulouse, France
8:40	OC32 Identifying approved drugs with geroprotective effects independent of disease modification across human cohorts Christopher DIETRICH ¹ , Jesse POGANIK ^{1,2} ¹ Harvard Medical School, Boston, USA; ² Brigham And Women's Hospital, Boston, USA
8:50	OC33 Vutrisiran is associated with preservation of intrinsic capacity and healthy ageing in patients with transthyretin amyloidosis with cardiomyopathy: Post hoc analysis of HELIOS-B Olivier LAIREZ ¹ , Hugo MALERBI ¹ , Mathew MAURER ² , Philippe DE SOUTO BARRETO ³ , Carlo FUMAGALLI ⁴ , Thibaud DAMY ⁵ , Roman PFISTER ⁶ , Yasuhiro IZUMIYA ⁷ , William MOODY ⁸ , Alexia BAKDACHE ⁹ , Hua ZHENG ¹⁰ , Bruno VELLAS ³ ¹ Department of Cardiology, HealthAge Institute, Toulouse University Hospital, University of Toulouse, Toulouse, France; ² Division of Cardiology, Columbia University Irving Medical Center, New York, USA; ³ IHU HealthAge, Toulouse, France; ⁴ University of Campania Luigi Vanvitelli, Naples, Italy; ⁵ Referral Center for Cardiac Amyloidosis, CHU Henri Mondor, Créteil, France; ⁶ Department III of Internal Medicine, Heart Center, Faculty of Medicine and University Hospital Cologne, University of Cologne, Cologne, Germany; ⁷ Department of Cardiovascular Medicine, Kumamoto University, Kumamoto, Japan; ⁸ Midlands Amyloidosis Service, Queen Elizabeth Hospital Birmingham, Birmingham, UK; ⁹ Alnylam Pharmaceuticals, Paris, France; ¹⁰ Alnylam Pharmaceuticals, Cambridge, USA
9:00	OC34 Multi-Omics Analysis of Sarcopenia-Associated Traits Reveals Relevant Molecules Peggy CAWTHON ¹ , Gregory TRANAH ¹ , Tyler MANSFIELD ¹ , Douglas KIEL ² , Kristyna KUPKOVA ³ , Ching-Ti LIU ⁴ , Yiyan ZHANG ⁵ , Charles FARBER ⁶ , Yi-Hsiang HSU ² , Xihao LI ⁵ , David KARASIK ⁵ ¹ Sutter Health, San Francisco, USA; ² Harvard, Cambridge, USA; ³ UVA Precision Health, Charlottesville, USA; ⁴ Boston University, Boston, USA; ⁵ University of North Carolina, Chapel Hill, USA; ⁶ University of Virginia, Charlottesville, USA
9:10	OC35 Health Octo Tool, a Measure of Health Entropy, and Mitochondrial Oxidative Capacity Shabnam SALIMI ¹ , Tian QU ² , Kenneth FISHBEIN ² , Daniel RAFTERY ¹ , Luigi FERRUCCI ² ¹ University of Washington, Seattle, USA; ² National Institute on Aging, Intramural, Baltimore, USA
9:20–10:00	Symposium 4: Intrinsic Capacity: From Functional Decline and Physical Resilience to Intervention Chair: Karen Bandeen-Roche, Johns Hopkins University Bloomberg School of Public Health, Baltimore, USA Presentation 1: Intrinsic Capacity and the Order of Onset of Frailty, Mobility Disability, and Death in Older Adults Qian-Li Xue, Johns Hopkins Bloomberg School of Public Health and Johns Hopkins School of Medicine, Department of Medicine, Baltimore, USA Presentation 2: Intrinsic Capacity: A Resilience Determinant in Older Adults? Karen Bandeen-Roche, Johns Hopkins Bloomberg School of Public Health, Baltimore, USA Presentation 3: ICOPE Randomized Controlled Trial (France): Protocol and Baseline Data Sandrine Andrieu, IHU HealthAge/INSERM, Toulouse, France
10:00–10:25	Keynote 3: Geroscience Drug Development Joan Mannick, Altos Labs, Redwood City, USA Introduction: Peter Abadir, Johns Hopkins University, Baltimore, USA
10:25–10:55	Coffee break & poster session, Rising Stars Session 2
10:55–11:35	Oral communications, plenary session 3

Time	PLENARY SESSION · Théâtre
10:55	OC36 Implementing Integrated Care for Older People in Quebec: The ICOPE Quebec Digital Health Platform Integrating Screening, Assessment, Local Services and Artificial Intelligence <u>Gustavo DUQUE</u> ¹ , Noemie DULAC ² , Mahdi IMANI ¹ , Anna ANDRIANOVA ² , Hussein SAMHAT ² , Raman AGNIHOTRAM ³ , Tai MEKORI ¹ ¹ Division of Geriatric Medicine, McGill University, Montreal, Canada; ² The Simone & Edouard Schouela RUISSS McGill Centre of Excellence for Sustainable Health of Seniors (Schouela CEDurable), Montreal, Canada; ³ Research Institute of the McGill University Health Centre, Montreal, Canada
11:05	OC37 Intrinsic Capacity Predicts Mortality and Is Associated With Distinct Serum Proteins in a Longitudinal Study of Human Aging <u>Anthony MOLINA</u> , Jaclyn BERGSTROM UC San Diego, La Jolla, USA
11:15	OC38 Reducing Inflammation for Greater Health Trial (RIGHT) - Blocking interleukin-6 with clazakizumab, a monoclonal antibody Anne NEWMAN ¹ , Sebastian SATTUI ¹ , Daniel FORMAN ² , Marnie BERTOLET ¹ , Stacey SUKOFF RIZZO ¹ , Nancy GLYNN ¹ , Akira SEKIKAWA ¹ , Michelle DANIELSON ¹ , Tulia BRUNO ¹ , Oscar LOPEZ ¹ , Toren FINKEL ¹ ¹ University of Pittsburgh, Pittsburgh, USA; ² University of Maryland, College Park, USA
11:25	OC39 A framework for assessing immune vitality of intrinsic capacity via in vivo stimulation of vaccinations: Implication from data on humoral immune response to seasonal influenza and COVID vaccines in Johns Hopkins Longitudinal Influenza Immunization Study of Aging in community-dwelling older adults 75 years and older (JH LIISA 75+) <u>Sean LENG</u> , Yang ZHAO, Thomas LASKOW, Gregory LESKO, Cherise YOUNG, Joanie KNILL, Trudymae AGBOKA, Qian-Li XUE Johns Hopkins University, Baltimore, USA
11:35–12:00	Keynote 4: Update on the PROSPR Program <u>Andrew Brack</u> , Program Manager, PROactive Health Office, ARPA-H, Washington, DC, USA Introduction: Sandrine Andrieu, IHU HealthAge, Toulouse, France
12:00–12:30	Roundtable 3: Geroscience Education and Training Network: Tools and resources to expand the international geroscience workforce <u>George KUCHEL</u> ¹ , Sara ESPINOZA ² , John NEWMAN ³ , Miranda ORR ⁴ ¹ UConn Center on Aging, Farmington, USA; ² Cedars Sinai, Los Angeles, USA; ³ Buck Institute, Novato, USA; ⁴ Washington University, Missouri, USA
12:30–13:45	Lunch & poster session

PARALLEL SESSIONS		
Time	Théâtre	Méditerranée
13:45–14:45	Oral communications Track B: Frailty & Sarcopenia <i>Mechanisms, diagnosis, interventions</i>	Oral communications Track A: Intrinsic Capacity & Healthy Longevity <i>Geroscience, ICOPE implementation</i>
13:45	OC40 The effects of a strength-based tailored-exercise program at home (STEP@home) to combat hospitalization-acquired functional decline among geriatric patients: a multi-center RCT <u>Doris YU</u> ¹ , Jason LAU ¹ , Rui LONG ¹ , Jenny LEE ² , Jones CHAN ³ , Jacqueline YUEN ⁴ , Yat Fung SHEA ⁴ , Parco SIU ¹ , Patsy CHAU ¹ , Polly LI ¹ ¹ The University of Hong Kong, Hong Kong; ² Alice Ho Miu Ling Nethersole Hospital, Hong Kong; ³ Prince of Wales Hospital, Hong Kong; ⁴ Queen Mary Hospital, Hong Kong	OC46 Attributes of Vitality In Association with Intrinsic Capacity Domains and Frailty Amongst Community-dwelling Older Adults <u>Laura TAY</u> , Ee Ling TAY, Shi Min MAH, Yee Sien NG Sengkang General Hospital, Singapore

PARALLEL SESSIONS		
Time	Théâtre	Méditerranée
13:55	OC41 Frailty and Place: Neighborhood Walkability and Socioeconomic Resources as Predictors of Gait Speed in Urban-dwelling Older Adults Kyle MOORED^{1,2}, Qian-Li XUE^{2,3}, Karen BANDEEN-ROCHE^{1,2}, Michelle CARLSON^{1,2} ¹Johns Hopkins Bloomberg School of Public Health, Baltimore, USA; ²Johns Hopkins University Center on Aging and Health, Baltimore, USA; ³Johns Hopkins University School of Medicine, Baltimore, USA	OC47 Intrinsic capacity in older adults initiating SGLT2 inhibitors: a prospective study Aurora MEROLLA¹, Sarah DAMANTI¹, Bruno QUARANTA¹, Federica GUERRA², Sindi URUCI¹, Elena RELA¹, Elena TANZARELLA¹, Cristina BARRASSO², Chiara LANZANI¹, Patrizia ROVERE-QUERINI¹ ¹Vita-Salute San Raffaele University, Milan, Italy; ²IRCCS San Raffaele Hospital, Milan, Italy
14:05	OC42 Cardiac Energetic Reserve and Mitochondrial Aging: Restorative Effects of AT1R Blockade Sarah LILLY¹, Marta GONZALEZ-FREIRE², Xavier CAPO², Caglar COSARDERELOGLU¹, Michael BENE¹, Peter ABADIR¹ ¹Johns Hopkins Medicine, Baltimore, USA; ²Health Research Institute of the Balearic Islands, Palma de Mallorca, Spain	OC48 Implementation and effectiveness of the WHO ICOPE program in Taiwan Chiachi Bonnie LEE¹, Yann-Yuh JOU², Jia-Ni XIE¹, Yuan-Fang CHUNG², Pei-Chun CHEN¹, Li-Ju LIN², Kai-Jie MA¹, Ching-Fen SHEN^{2,3}, Yu-Tai LO³, Ya-Hui CHANG⁴, Miaw-Chwen LEE⁵, Wen-Hsuan HOU⁶, Chung-Yi LI³ ¹National Health Research Institutes, Yunlin County, Taiwan; ²Health Promotion Administration, Ministry of Health and Welfare, Taipei, Taiwan; ³National Cheng Kung University, Tainan, Taiwan; ⁴Taipei Medical University, Taipei, Taiwan; ⁵National Cheng Kung University, Chiayi, Taiwan; ⁶Taipei Medical University Hospital, Taipei, Taiwan
14:15	OC43 Comparing Dietary Counselling, Exercise Training, and Their Combination for Sarcopenic Obesity: A 24-Week Cluster Randomized Controlled Trial Justina Yat Wa LIU¹, Yixue QUAN¹, Kenneth Ka Hei LO¹, Jackie YEUNG¹, Claudia Kam-Yuk LAI¹, Paul LEE², Patrick Pui Kin KOR¹, Shamay S. M. NG¹, Jean WOO² ¹The Hong Kong Polytechnic University, Kowloon, Hong Kong; ²The Chinese University of Hong Kong, New Territories, Hong Kong	OC49 Two phases, not one slope: a measurable physiological switch preceding the collapse of intrinsic capacity Michael RERA Functional and Adaptive Biology, Paris, France
14:25	OC44 Multivariate genetic analysis of frailty improves genomic discovery and reveals pathways linking accelerated biological ageing to age-related disease Isabelle FOOTE¹, Andrea DRILON¹, Ngoc HUYEN NGUYEN¹, Jonny FLINT², Andrew RUTENBERG³, Michelle LUPTON⁴, Michelle LUCIANO⁵, Ken ROCKWOOD³, Andrew GROTZINGER⁶ ¹Queen Mary University of London, London, UK; ²University of Exeter, Exeter, UK; ³Dalhousie University, Halifax, Canada; ⁴QIMR Berghofer, Brisbane, Australia; ⁵University of Edinburgh, Edinburgh, UK; ⁶University of Colorado Boulder, Boulder, USA	OC50 Physiological Contributors to Cardiorespiratory Fitness in Adult and Older Individuals Caterina TREVISAN^{1,2}, Kenneth FISHBEIN^{3,4}, Sarah CHURCH⁴, Eleanor M SIMONSICK⁵, Stefano VOLPATO¹, Qu TIAN⁵ ¹Department of Medical Sciences, University of Ferrara, Ferrara, Italy; ²Aging Research Center, Karolinska Institutet and Stockholm University, Stockholm, Sweden; ³Laboratory of Clinical Investigation, Intramural Research Program, National Institute on Aging, Baltimore, USA; ⁴Clinical Research Core (CRC), National Institute on Aging, National Institutes of Health, Baltimore, USA; ⁵Longitudinal Studies Section, Translational Gerontology Branch, National Institute on Aging (NIA), National Institutes of Health, Baltimore, USA

PARALLEL SESSIONS		
Time	Théâtre	Méditerranée
14:35	OC45 External validation of the Canadian Hospital Frailty Risk Measure in community-dwelling older adults Marianne GIROUX^{1,2}, Sonia JEAN³, Elhadji Anassour LAOUAN SIDI³, Marie-Jeanne KERGOAT^{4,5}, Mylène AUBERTIN-LEHEUDRE^{6,7}, Marie-Josée SIROIS^{8,9} ¹Université de Sherbrooke, Sherbrooke, Canada; ²Centre de recherche sur le vieillissement, Sherbrooke, Canada; ³Institut national de santé publique du Québec, Québec, Canada; ⁴Université de Montréal, Montréal, Canada; ⁵Institut universitaire de gériatrie de Montréal, Montréal, Canada; ⁶Université du Québec à Montréal, Montréal, Canada; ⁷Centre de recherche de l'Institut universitaire de gériatrie de Montréal, Montréal, Canada; ⁸Université Laval, Québec, Canada; ⁹Centre d'excellence sur le vieillissement de Québec, Québec, Canada	OC51 Multidimensional determinants of functional capacity in older adults: the contributions of muscle, adiposity, and the Fick determinants of oxygen utilization K. Austin DAVIS¹, Blessy JOSEPH¹, Mahmoud JAWAD¹, Logan PIXLAR¹, Juliana SANTOS¹, Ario MORADI¹, Merriam MOBASHAR¹, Richard B. THOMPSON², Jerett BERRY³, Michael NELSON¹ ¹University of Texas at Arlington, Arlington, Texas, USA; ²University of Alberta, Edmonton, Alberta, Canada; ³University of Texas at Tyler, Tyler, Texas, USA
14:45–15:35	Late-breaking communications	Oral communications Track B: Frailty & Sarcopenia <i>Mechanisms, diagnosis, interventions</i>
14:45	Late-breaking communication	OC52 Evaluation of a multi-component intervention on reducing concerns about falling in older adults and the role of stress and inflammation markers – results from the FEARFALL randomized controlled trial Sabine BRITTING¹, Anja MÜLLER², Robert KOB¹, Ellen FREIBERGER¹, Nicolas ROHLEDER² ¹Institute for Biomedicine of Aging, Friedrich-Alexander-Universität Erlangen-Nürnberg, Nürnberg, Germany; ²Chair of Health Psychology, Department of Psychology, Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany
14:55	Late-breaking communication	OC53 Association between malnutrition severity and functional recovery in older patients with hip fracture: a nationwide database study Araki SAITO^{1,2}, Tatsuro INOUE², Yuria ISHIDA³, Hiroyasu MURATA^{4,5}, Keisuke MAEDA^{6,7} ¹Department of Nutrition, Yoshida Hospital, Nagaoka, Japan; ²Graduate School of Health and Welfare, Niigata University of Health and Welfare, Niigata, Japan; ³Department of Nutrition, Aichi Medical University Hospital, Nagakute, Japan; ⁴Physiotherapy and Environmental Health Department, Tartu Applied Health Sciences University, Tartu, Estonia; ⁵Faculty of Health Science, Kyorin University, Mitaka, Japan; ⁶Nutrition Therapy Support Center, Aichi Medical University Hospital, Nagakute, Japan; ⁷Department of Geriatric Medicine, National Center for Geriatrics and Gerontology, Obu, Japan
15:05	Late-breaking communication	OC54 GLP-1 medicines do not disproportionately decrease muscle mass and strength in older organisms Henning LANGER Charité – Universitätsmedizin Berlin, Berlin, Germany
15:15	Late-breaking communication	OC55 Clinical, Translational and Population Health Efforts in Sarcopenia and Frailty in the Asia Pacific Region Frederick KOH¹, Raymond GOH², Vanda HO² ¹Sengkang General Hospital, Singapore; ²National University Hospital System, Singapore
15:25	Late-breaking communication	Late-breaking communication

PARALLEL SESSIONS		
Time	Théâtre	Méditerranée
15:35–16:05	Coffee break & poster session, Rising Stars Session 3	
16:05–16:45	Late-breaking communications	Late-breaking communications
16:45–17:15	Biotech Showcase 2	
17:15	End of the conference day and poster session	

DAY 4 Friday, March 5, 2027

Time	PLENARY SESSION · Théâtre
8:00–8:40	Poster walking tour
8:40–9:20	Oral communications, plenary session 4
8:40	OC56 Subjective Age and Intrinsic Capacity: Cross-Sectional and 8-Month Longitudinal Findings From the INSPIRE-T Cohort <u>Antoine CABROL</u>^{1,2}, Jason SHOURICK^{1,3}, Nicola COLEY^{1,4}, Stéphane OUSTRIC^{1,5}, Sophie GUYONNET¹, Bruno VELLAS¹, Emile ESCOURROU^{1,5}, Sandrine ANDRIEU^{1,4} ¹Aging – MAINTAIN research team, Center for Epidemiology and Research in Population Health (CERPOP), Toulouse, France; ²Toulouse University General Practice Department, Toulouse, France; ³Department of Epidemiology and Public Health, Toulouse, France; ⁴Department of Epidemiology and Public Health, France; ⁵Toulouse University General Practice Department, France
8:50	OC57 Sex Differences in Association Between Change in 400m Gait Speed and Worsening Lower Urinary Tract Symptoms in Older Adults: the Study of Muscle Mobility and Aging (SOMMA) <u>Scott R. BAUER</u>¹, Kaiwei LU², John BOSCARDIN¹, Farnoosh NIK-AHD¹, Nancy W. GLYNN³, Stephen B. KRITCHEVSKY⁴, Peggy M. CAWTHON⁵ ¹University of California, San Francisco, USA; ²Northern California Institute for Research and Education, San Francisco, USA; ³University of Pittsburgh, Pittsburgh, USA; ⁴Wake Forest University School of Medicine, Winston-Salem, USA; ⁵California Pacific Medical Center Research Institute, San Francisco, USA
9:00	OC58 Assessing implementation of Integrated Care for Older People (ICOPE): A scoping review using the RE-AIM Framework Elizabeth JIMENEZ¹, Debra WATERS^{1,2}, Keith WILKINS³, Bruno VELLAS^{1,4}, Barry BLESKE¹, Prajakta ADSUL¹, Laura NELLUMS¹, Stefany GORADIA¹, Lara VLIETSTRA⁵, Sandrine ANDRIEU^{4,6}, Giselle RODRIGUEZ DE SOSA¹, Yuka SUMI⁷, Matteo CESARI^{7,8}, David SCRASE¹ ¹University of New Mexico Health Sciences Center, Albuquerque, USA; ²Division of Health Sciences, University of Otago, Dunedin, New Zealand; ³University of New Mexico, Albuquerque, USA; ⁴IHU HealthAge, Toulouse University Hospital, Toulouse, France; ⁵School of Physical Education, Sport and Exercise Sciences, University of Otago, Dunedin, New Zealand; ⁶Clinical Epidemiology and Public Health Department, University of Toulouse, Toulouse, France; ⁷World Health Organization, Geneva, Switzerland; ⁸Department of Clinical Sciences and Community Health, University of Milan, Milan, Italy
9:10	OC59 Kynurenine Pathway Metabolism and Aging in Mice <u>Reyhan WESTBROOK</u> Johns Hopkins University School of Medicine, Baltimore, USA
9:20–10:00	Symposium 5: Translating Geroscience into Precision Healthy Longevity: From Biological Age to Gerotherapeutics and Muscle Health Chairs: Hidenori Arai, National Center for Geriatrics and Gerontology, Obu, Japan; Li-Ning Peng, Taipei Veterans General Hospital and National Yang Ming Chiao Tung University, Taipei, Taiwan Presentation 1: Beyond Disease Treatment and Prevention: From Geroscience and Molecular Hallmarks to Gerotherapeutics and Precision Geromedicine <u>Liang-Kung Chen</u>, Taipei Veterans General Hospital, Taipei, Taiwan Presentation 2: Gerotherapeutic Management of Muscle Health in Diabetes <u>Noriko Satoh-Asahara</u>, Center for Geroscience Research, National Center for Geriatrics and Gerontology, Obu, Japan Presentation 3: Biological Age as Risk-Equivalent Age: A Clinically Actionable Target for Healthy Longevity <u>Sheng Fong</u>, Ng Teng Fong General Hospital, Singapore
10:00–10:25	Keynote 5: IHU HealthAge Translational Program on Intrinsic Capacity and Healthy Longevity <u>Bruno Vellas</u>, Founding President, IHU HealthAge, Toulouse, France Introduction: Andrew Brack, ARPA-H, Washington, DC, USA
10:25–10:55	Coffee break & poster session
10:55–11:35	Late-breaking communications, plenary session 5
11:35–12:05	Roundtable 4: ICFSR Task Force on Nutrition and Intrinsic Capacity

Time	PLENARY SESSION · Théâtre
12:05– 12:45	Symposium 6: Measuring and Targeting Biological Aging to Preserve Intrinsic Capacity Chair: Hidenori Arai, National Center for Geriatrics and Gerontology, Obu, Japan Presentation 1: Bridging Biology and Function: Handgrip Strength, Sleep, and Intrinsic Capacity <u>Reshma A. Merchant</u>, National University Hospital and National University of Singapore, Singapore Presentation 2: Targeting Biological Aging: Multidomain Interventions to Attenuate Age-related Cognitive Decline <u>Hidenori Arai</u>, National Center for Geriatrics and Gerontology, Obu, Japan Presentation 3: Integrating Intrinsic Capacity in Clinical Practice: The Transforming Health and Resilience for Healthy Lives (THRIVE) Project <u>Gustavo Duque</u>, McGill University, Montreal, Canada
12:45– 14:00	Lunch & poster session

PARALLEL SESSIONS		
Time	Théâtre	Méditerranée
14:00– 15:30	Oral communications Track A: Intrinsic Capacity & Healthy Longevity <i>Geroscience, ICOPE implementation</i>	Oral communications Track B: Frailty & Sarcopenia <i>Mechanisms, diagnosis, interventions</i>
14:00	OC60 The Texas Geroscience Model: Repurposing Approved Medications to Slow Biologic Aging <u>Alan LANDAY</u>¹, Matthew MENDOZA¹, Jordan LAKE², Thomas BLACKWELL¹ ¹UTMB, Galveston, USA; ²UTHealth Houston, Houston, USA	OC69 Combined therapy of SGLT2i and GLP-1 agonist is associated with preserved muscle mass over time in an Asian type 2 diabetes mellitus cohort <u>Serena LOW</u>¹, Kiat Sern GOH², Keven ANG¹, Su Chi LIM¹ ¹Khoo Teck Puat Hospital, Singapore; ²Changi General Hospital, Singapore
14:10	OC61 Treatment with antisense oligonucleotides targeting telomeric DNA damage response attenuates frailty progression and functional decline in a telomerase knockout mouse model <u>Luca TAGLIAFICO</u>¹, Eugenia MARINELLI², Fiammetta MONACELLI³, Alessio NENCIONI³, Francesca ROSSIELLO², Federica REY², Fabrizio D'ADDA DI FAGAGNA⁴ ¹Geriatric Clinic and Biogerontology Laboratory, Department of Internal Medicine and Medical Specialties (DiMI), University of Genoa, Genoa, Italy; ²IFOM ETS, The AIRC Institute of Molecular Oncology, Milan, Italy; ³IRCCS Ospedale Policlinico San Martino, Azienda Ospedaliera Metropolitana (AOM), Genoa, Italy; ⁴Istituto di Genetica Molecolare, Consiglio Nazionale delle Ricerche (IGM-CNR), Pavia, Italy	OC70 Frailty and Incident Geriatric Syndromes in Community-Dwelling Older Adults with Arthritis: 13-Year Longitudinal Evidence from the NHATS <u>Namrata SINGH</u>¹, Parul BERRY², Bhavik BANSAL³ ¹University Of Washington, Seattle, USA; ²Mayo Clinic, Rochester, USA; ³UT Southwestern, Dallas, USA
14:20	OC62 Plasma proteomics defines reproductive aging as a modifiable axis of human systems aging <u>Ludger GOEMINNE</u>¹, Dmitrii GLUBOKOV¹, Daniel IGUMNOV², Maria VINA-LOPEZ¹, Amir FEIZI², Sharif IQBAL¹, Peter FEDICHEV², Vadim GLADYSHEV¹ ¹Brigham and Women's Hospital, Harvard Medical School, The Broad Institute of MIT and Harvard, Boston, USA; ²Gero AI, Singapore	OC71 Clinical Frailty Scale scores are robustly associated with major acute cardiovascular events after a myocardial infarction 1 year post-discharge <u>Niklas EKERSTAD</u>, Dariush JAVADZADEH, Joakim ALFREDSSON Linköping University, Linköping, Sweden

PARALLEL SESSIONS		
Time	Théâtre	Méditerranée
14:30	OC63 Centenarians as models of multidimensional resilience in aging Jean-Marc LEMAITRE¹, Jeanne BARDINET², Paul BENSADOUN¹, Jean-Marie ROBINE¹, Maturin TABUE-TEGUO³, Sophie GUYONNET⁴, Hubert BLAIN⁵, Karine PERES⁵, Anne-Laure COUDERC⁶ ¹INSERM/Université de Montpellier, Montpellier, France; ²INSERM/Université de Bordeaux, Bordeaux, France; ³Université des Antilles, Fort de France, France; ⁴INSERM/Université de Toulouse, Toulouse, France; ⁵CHU/Université de Montpellier, Montpellier, France; ⁶CNRS/Université Aix Marseille, Marseille, France	OC72 Associations of frailty trajectories with chronic disease accumulation and multimorbidity patterns among middle-aged and older Chinese adults: a cohort study Qiruo LIANG, Lijun FAN School of Public Health, Southeast University, Nanjing, China
14:40	OC64 Development of a multi-trait polygenic score model for intrinsic capacity Melkamu BEYENE¹, Renuka VISVANATHAN², Robel ALEMU³, Nigussie SHAREW², Olga THEOU⁴, Beben BENYAMIN², Matteo CESARI⁵, John BEARD⁶, Azmeraw AMARE² ¹Baker Heart and Diabetes Institute, Melbourne, Australia; ²Adelaide University, Adelaide, Australia; ³University of California Los Angeles (UCLA), Los Angeles, USA; ⁴Dalhousie University, Halifax, Nova Scotia, Canada; ⁵World Health Organization, Geneva, Switzerland; ⁶Columbia University Mailman School of Public Health, New York, USA	OC73 Development and validation of a multidimensional resilience scale for older adults: a multistage mixed-methods study integrating factor analysis and item response theory Juan DU¹, Jiao WANG¹, Jirong YUE¹, Chenkai WU², Liying ZHANG³ ¹West China Hospital, Sichuan University, Chengdu, China; ²Duke Kunshan University, Suzhou, China; ³Duke Kunshan University, Chengdu, China
14:50	OC65 Physical behavior, sleep quality and biological aging Jérémy RAFFIN, Yves ROLLAND, Sophie GUYONNET, Bruno VELLAS, Philippe DE SOUTO BARRETO IHU HealthAge, Toulouse, France	OC74 Romosozumab preserves skeletal muscle mass and function across catabolic sarcopenia models: preclinical and human translational evidence Hyon-Seung YI Chungnam National University College of Medicine, Jung-gu, South Korea
15:00	OC66 TOR-101 and ATX-304: Targeting Key Metabolic Pathways to Improve Intrinsic Capacity James PEYER Cambrian Bio, New York, USA	OC75 Proteomic architecture of frailty severity: shared and heterogeneous associations across five frailty dimensions Liying ZHANG, Jiao WANG, Juan DU, Jirong YUE West China Hospital, Sichuan University, Chengdu, China
15:10	OC67 Intrinsic capacity and time to municipal healthcare entry among older adults: The HUNT4 The Trondheim 70+ study Kjerstin Næss MELSLÆTER¹, Erik Reidar SUND², Gro Gujord TANGEN³, Beatrix VEREIJKEN¹, Astrid Ustad ANTONSEN¹, Pernille THINGSTAD⁴ ¹NTNU, Trondheim, Norway; ²NTNU, Levanger, Norway; ³Ageing and Health, Oslo, Norway; ⁴Trondheim municipality, Trondheim, Norway	OC76 Shift work and long-term frailty trajectories in women and men: a 14-year UK Biobank study Rongna LIAN, Wenqin HUANG, Meiqi ZHANG, Qian CHEN, Ming YANG Center of Gerontology and Geriatrics, West China Hospital, Sichuan University, Chengdu, China
15:20	OC68 Healthy Longevity as the Benchmark: A Chinese Expert Consensus on a Preventive Health Standard System for Older Adults Pan LIU¹, Lina MA² ¹Xuanwu Hospital Capital Medical University, Beijing, China; ²on behalf of the Consensus Group of the National Clinical Research Center for Geriatric Diseases (Xuanwu Hospital), Beijing, China	OC77 Self-Reported Annual Activity Change by Low Physical Activity Status in the Physical Frailty Phenotype Among Sedentary Prefrail Older Adults Amal WANIGATUNGA¹, Ehyun KIM¹, Xiaowen CHEN¹, Brian BUTA², Eleanor SIMONSICK³, Karen BANDEEN-ROCHE¹, Jennifer SCHRACK¹ ¹Johns Hopkins School Of Public Health, Baltimore, USA; ²Johns Hopkins School Of Medicine, Baltimore, USA; ³National Institute on Aging, Baltimore, USA

PARALLEL SESSIONS		
Time	Théâtre	Méditerranée
15:30–16:10	Late-breaking communications	Oral communications Track B: Frailty & Sarcopenia <i>Mechanisms, diagnosis, interventions</i>
15:30	Late-breaking communication	OC78 Toward continuous real-world monitoring of arterial blood pressure to reduce the risk of unexplained falls in older adults Richard HUGHSON ¹ , Laura FITZGIBBON-COLLINS ² , Joshua CHERUBINI ³ , Karim RIZK ³ , Sean PETERSON ³ , Cederick LANDRY ⁴ , Jaspreet BHANGU ² , George HECKMAN ² , Andrew LAING ³ ¹ Schlegel-UW Research Institute for Aging, Waterloo, Canada; ² Western University, London, Canada; ³ University of Waterloo, Waterloo, Canada; ⁴ University of Sherbrooke, Sherbrooke, Canada
15:40	Late-breaking communication	OC79 Usability, adherence and clinical benefits of a motivationally enhanced remote physical activity program for community-dwelling older adults: the MOTIVA project Ignacio PEINADO ¹ , Blanca ALFONSO-LÓPEZ ¹ , Laura PEDRAZA ² , Elena VILLALBA-MORA ³ , Angélica DE ANTONIO ³ , Jaime RAMÍREZ-RODRÍGUEZ ³ , Maximilian MENSCHER ³ , Ángel RODRÍGUEZ-LASO ⁴ , Olga LAOSA-ZAFRA ² , Leocadio RODRÍGUEZ-MAÑAS ⁵ ¹ CIBERFES, Centro de Investigación en Red - Fragilidad y Envejecimiento Saludable, Madrid, Spain; ² Fundación de Investigación Biomédica Hospital Universitario de Getafe, Getafe, Spain; ³ Universidad Politécnica de Madrid, Madrid, Spain; ⁴ Gerencia Asistencial de Atención Primaria de la Comunidad de Madrid, Madrid, Spain; ⁵ Hospital Universitario de Getafe, Getafe, Spain
15:50	Late-breaking communication	OC80 Circulatory senescence biomarkers and soluble receptors predict a more rapid deterioration of frailty status in community-dwelling older adults Liang-Yu CHEN ¹ , Qian-Li XUE ² , Tana YANG ³ , Huifen LI ³ , Gregory LESKO ³ , Sean Xiao LENG ³ ¹ Taipei Veterans General Hospital, Taipei, Taiwan; ² Johns Hopkins University School of Medicine, Baltimore, USA; ³ Johns Hopkins Center on Aging and Immune Remodeling, Baltimore, USA
16:00	Late-breaking communication	OC81 An NMR-derived measure of sarcopenia, MMX, predicts total mortality over 5 years in adults with type 2 diabetes: the FIELD study Anthony KEECH ¹ , Rachel O'CONNELL ¹ , Andrzej JANUSZEWSKI ¹ , Liping LI ¹ , Chris DALTON ² , John SIMES ¹ , David SULLIVAN ³ , Marja-Riitta TASKINEN ⁴ , Russell SCOTT ⁵ , James BEST ⁶ , Alicia JENKINS ⁷ , James OTVOS ⁸ ¹ The University of Sydney, Sydney, Australia; ² Macquarie University, Sydney, Australia; ³ Royal Prince Alfred Hospital, Sydney, Australia; ⁴ University of Helsinki, Helsinki, Finland; ⁵ Christchurch Hospital, Christchurch, New Zealand; ⁶ Nanyang Technological University, Singapore; ⁷ Baker Diabetes Institute, Melbourne, Australia; ⁸ University of North Carolina, North Carolina, USA
16:10	End of the conference	

POSTER PRESENTATIONS

DIGITAL TOOLS 20 posters

FRAILITY 109 posters

HEALTHY LONGEVITY & GEROSCIENCE 39 posters

ICOPE IMPLEMENTATION FROM CLINICAL PRACTICE TO RESEARCH 15 posters

INTRINSIC CAPACITY 51 posters

SARCOPENIA 99 posters



Poster presented remotely

DIGITAL TOOLS

20 posters

00071 Automated segmentation of the left ventricular myocardium on noncontrast chest CT using 3D nnU-Net

Presenter: Lin FU

Lin FU, Xingui PENG

Zhongda Hospital, Southeast University, Nanjing, China

00148 Associations between mouse trajectories during a scratching task and self-reported physical and social frailty

Presenter: Yutaro ONUKI

Yutaro ONUKI¹, Yurina OTAKI²

¹Seijo University, Tokyo, Japan; ²Hitotsubashi University, Tokyo, Japan

00170 Remote Digital Follow-Up for Preserving Functional Independence in Post-Stroke Aging

Presenter: Arkers Kwan Ching WONG

Arkers Kwan Ching WONG, Ssu-Chi CHEN, Xiaomin LU

The Hong Kong Polytechnic University, Hung Hom, Hong Kong

00265 Real-World Adoption of a WHO-Based Mobile Health Application for Older Adults: Determinants of Use of ICOPE Monitor in Occitanie, France

Presenter: Pauline PUJOS

Pauline PUJOS, Céline MATHIEU, Christine LAFONT, Caroline BERBON, Neda TAVASSOLI, Isabelle CARRIÉ, Delphine PENNETIER, Justine DE KERIMEL, Fanny PARIS, Léa CLAVELLOUX, Alessia ROBERT MILLOCCO, Maria SOTO MARTIN

Health Age University Hospital Institute - Toulouse University Hospital, Toulouse, France

00289 Electrical vestibular stimulation combined with multicomponent exercise to improve mobility and functional capacity in older adults: an ICOPE-informed randomized sham-controlled trial

Presenter: Jocelyn REMPEL

Jocelyn REMPEL¹, Jordan KING², Ryan PETERS²

¹Mount Royal University, Calgary, Canada; ²University of Calgary, Calgary, Canada

00300 Compensatory Behaviours and Environmental Barriers During Everyday Home Tasks in Older Adults: A Video-Based Observational Study

Presenter: Mingyao SUN

Mingyao SUN

Peking University, Beijing, China

00303 Remote AI-based proactive monitoring for follow-up of disease progression in multimorbidity: target population

Presenter: Zhong JIANGMING

Huizhen CAO¹, Song NA¹, Liang HANYING², Hu WEI¹, Wen BAORYU¹, Zhang YAN¹, Chen PINLING³, Zhong JIANGMING²

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00305 Remote intelligent active surveillance to the follow-up of multimorbidity progression in order people

Presenter: Jiangming ZHONG

Huizhen CAO¹, Na SONG¹, Hanying LIANG², Wei HU¹, Baoyu WEN¹, Yan ZHANG¹, Pinling CHEN³, Jiangming ZHONG²

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00310 Feasibility and evaluation of walking simulation without motion clip tracking

Presenter: Junghwa HONG

Kyunghun NOH, Inyeop NA, Seungyun OH, Jiwoo JANG, Youngjae PARK, Hyeyeong SONG, Chanwook PARK, Yehseong LEE, Junghwa HONG

Korea University, Sejong, South Korea

00344 Hybrid home-based cardiac telerehabilitation after transcatheter structural heart interventions: the REHAB-STRUCT randomized controlled trial

Presenter: Valentina BOGINI

Valentina BOGINI

Scuola Superiore Sant'Anna, Pisa, Italy

00366 Artificial intelligence-enabled personalization and adaptive digital health for older adults: a scoping review

Presenter: Li TIANXIN

Li TIANXIN

Adelaide univeristy, Adelaide, Australia

00498 Simultaneous tracking of ground reaction forces, joint kinematics, and reference joint moments in a reinforcement-learning simulation of stair ascent

Presenter: Junghwa HONG

Jiwoo JANG, Seungyun OH, Inyeop NA, Kyunghun NOH, Youngjae PARK, Hyeyeong SONG, Yehseong LEE, Chanwook PARK, Junghwa HONG

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00533 Older adults' experiences and support needs in app-delivered resistance exercise: a qualitative study in a sarcopenia-prevention pilot

Presenter: Bo Yeon KIM

Bo Yeon KIM¹, Su Jin YEON¹, Jaerim CHOI¹, Hyuntak LEE², Minina JU², Sojung LIM^{2,3}, Wan-Chen WU^{2,3}, Jinwoo KIM^{2,3}, Seok Kyo SEO⁴, Justin Y. JEON^{1,5}

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00548 From Facial Photography-Based AI Screening for Cognitive Impairment to Real-World Implementation: Development and Commercialization of a Digital Application

Presenter: Yumi UMEDA-KAMEYAMA

Yumi UMEDA-KAMEYAMA^{1,2}, Masashi KAMEYAMA^{2,3}, Tomomichi IIZUKA⁴, Satoru HASHIMOTO², Takeshi HASHIMOTO², Katsuya IJIMA^{5,6}, Hiroyuki UMEGAKI⁷, Masahiro AKISHITA⁸

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00556 Generative artificial intelligence to support self-management in older adults with chronic conditions: a vignette-based validation study

Presenter: Ziyin ZHAO

Ziyin ZHAO

Peking University, Beijing, China

00638 Integrating In-Home Mobility and Meal-Taking Digital Biomarkers Using Machine Learning for Personalized Monitoring of Older Adults: The CART-France Study

Presenter: Abderrahim DEROUICHE

Abderrahim DEROUICHE¹, Antoine PIAU², Isabelle CARRIE¹, Sophie GUYONNET¹, Eric CAMPO³, Zara STEINMEYER¹

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00669 An e-learning platform for disseminating the ICOPE approach: learner profiles, usage, and prospects for internationalization

Presenter: Justine DE KERIMEL

Justine DE KERIMEL

Health Age University Hospital Institute, Toulouse, France

00757 Association between smartwatch-derived body composition estimates and different domains of physical function in older adults

Presenter: Marvery DUARTE

Marvery DUARTE, Ana PFARRIUS, Robson LOPES, Beatriz DIAS, Vitor TESSUTTI, Marcos UCHIDA

UNICAMP, Campinas, Brazil

00767 Aging in the loop: what is missing from the Big Beautiful training data for Foundation Model of aging pharmaco-biology?

Presenter: Leon PESHKIN

Leon PESHKIN

IRCAN, Nice, France

00825 The Pen Tells What the Score Hides: AI-Based Handwriting Features for Motoric Cognitive Risk Syndrome in Older Adults

Presenter: Lina MA

Wenjing WANG, Zil ZHANG, Lina MA

Xuanwu Hospital Capital Medical University, National Clinical Research Center for Geriatric Diseases, Beijing, China

FRAILITY

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00004 Dynamic Changes in Cognitive Frailty and Incident Cardiovascular Disease in Middle-Aged and Older Adults: A Multinational Prospective Cohort Study

Presenter: [Min LI](#)

Min LI

Peking University, Beijing, China

00006 Association of smoking cessation with risk of late-life frailty: the Singapore Chinese Health Study

Presenter: [Woon-Puay KOH](#)

Woon-Puay KOH, Ainsley Ryan YAN

National University Of Singapore, Singapore

00015 Factors associated with depressive symptoms in older adults from rural communities of the Peruvian Amazon: role of frailty and sarcopenia criteria

Presenter: [Fernando RUNZER-COLMENARES](#)

Jackelyn T. MARIN-ESPINOZA, Karelía R. VÉLIZ-SALCEDO, Renzo E. PAJUELO-VÁSQUEZ, Fernando RUNZER-COLMENARES

Change Research Working Group, Carrera De Medicina Humana, Facultad De Ciencias De La Salud, Universidad Científica Del Sur, Lima, Peru

00038 Association of Frailty and Malnutrition and Demographic Variables in Older Adults

Presenter: [Pouya FAROKHNEZHAD AFSHAR](#)

Pouya FAROKHNEZHAD AFSHAR, Sahar SAEID

1- geriatric Mental Health Research Center, School Of Behavioral Sciences And Mental Health (tehran Institute Of Psychiatry), Iran University Of Medical Sciences, Tehran, Iran

00045 Building Consensus for Prehabilitation in patients with Frailty and Sarcopaenia Undergoing Gastrointestinal Cancer Surgery: A Multidisciplinary Delphi Study

Presenter: [Ashwin SUBRAMANIAM](#)

Samuel CATHIE¹, Ryan R LING², Geraldine OOI³, Ashwin SUBRAMANIAM^{2,3}

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00047 Clinical Utility of an ICD-10-Derived FRAIL-ICU Checklist Beyond the Clinical Frailty Scale for Identifying Older Critically Ill Patients Who May Benefit from Time-Limited ICU Trials: A Retrospective Multicentre Study

Presenter: [Ashwin SUBRAMANIAM](#)

Nicolas SIEBEN¹, Ryan LING², Mahesh RAMANAN¹, Ashwin SUBRAMANIAM^{2,3}

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00051 What do frailty and intrinsic capacity at entry to specialized care tell us about one-year risk of any and recurrent falls among Brazilian older adults?

Presenter: [Patrícia AZEVEDO GARCIA](#)

Patrícia AZEVEDO GARCIA, Yandra Cândida NOBRE DE LIMA, Paloma BONI DE LIMA, Rita Cristine BARBOZA PATRÍCIO, Fabio RIBEIRO DA SILVA, Fabiene Aparecida ROCHA MOREIRA MANSO, Regina De SOUZA BARROS, Beatriz GOMES NASCIMENTO, Caroline FEITOZA DE SOUSA, Evelyn OLIVEIRA DE SOUSA, Grazielly LIMA DE SOUSA, Ricardo HORSTH DE ABREU, Carolina ANDRADE GOIS, Joao Vitor BARBOSA CARREIRO, Saionara Maria AIRES DA CÂMARA

University Of Brasilia, Brasilia, Brazil

00053 Study on Energy and Dietary Intake and the Prevalence of Malnutrition Among Older Adults Living in Swedish Nursing Homes (SENÄR): Study Protocol

Presenter: Negar ZAND MIRALVAND

Negar ZAND MIRALVAND¹, Afsaneh KOOCHKEK², Anna Sigridur OLAFSDOTTIR², Åsa Helena VON BERENS³

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00054 Metabolomic profiling of heart failure patients with versus without frailty: implications for therapeutic targets

Presenter: Konstantinos PROKOPIDIS

Konstantinos PROKOPIDIS¹, Sima Jalali FARAHANI², Beyza Gulsah ALTINPINAR¹, Omid KHAIYAT², Adam BURKE³, Gregory Y. H. LIP¹, Rajiv SANKARANARAYANAN⁴, Howbeer MUHAMADALI³, Masoud ISANEJAD¹

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00063 Explainable machine learning assessment of depressive symptoms and sleep disturbance for frailty risk among older adults

Presenter: Chun How OOI

Enyu YANG¹, Enyi FAN¹, Chun How OOI², Jiang Ming FAM¹, Angela KOH¹

¹National Heart Centre Singapore, Singapore; ²Changi General Hospital, Singapore

00064 Prevalence and gait profile of motor cognitive risk syndrome in community-dwelling older adults

Presenter: Huei-Ling CHIU

Jian-Lun LIAO¹, Huei-Ling CHIU²

¹Shih Qun Clinic, Taipei, Taiwan; ²School Of Gerontology And Long-Term Care, College Of Nursing, Taipei Medical University, Taipei, Taiwan

00080 Dynamic changes in frailty as predictors of outcomes after transcatheter aortic valve replacement

Presenter: Nader NADER

Margarita CHEKHOVA¹, Nader NADER², Ethan HUTCHINS¹, Sarah FALLAVOLLITA¹, Amber REPASKY², Katie CARBAJAL¹, Jack PEREZ-PEREZ HODGKINS², Mont STERN²

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00090 Global Brain Atrophy as an Imaging Biomarker of Physical Frailty in Older Stroke Patients

Presenter: Peiyong Audrey HO

Peiyong Audrey HO¹, Bharathi BALASUNDARAM¹, Thevapriya SELVARATNAM¹, Charlene LIEW¹, Sindhu JOHN¹, Suresh BABU¹, Lin ZOU², Aileen LIM¹, Han Leong GOH², Si Xian HO², Livvy SANGRITHI³, Barbara Helen ROSARIO¹

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00094 Task-specific effects of cognitive–motor dual-task exercise in older adults: a systematic review and meta-analysis

Presenter: Wee Shiong LIM

Charlene Lay Khoon LAU¹, Benedict PANG¹, Penny LUN¹, Edwin Shih-Yen CHAN², Julia Yanan ZHU², Liang GUO², Yee Sien NG³, Wee Shiong LIM⁴

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00103 Designing additional dual-task training for cognitive frailty: evidence gaps and intervention-design lessons from a scoping review

Presenter: [Xiaomin LU](#)

Xiaomin LU, Ssu-Chi CHEN, Arkers Kwan Ching WONG

School of Nursing, The Hong Kong Polytechnic University, Hong Kong

00105 A prospective multi-site cohort study on the prevalence of frailty in patients aged over 70 years presenting after serious injury and implications for outcomes.

Presenter: [Anthony JOSEPH](#)

Anthony JOSEPH, Sarah HILMER, Bonnie LIU, James HARDY

University of Sydney, Sydney, Australia

00107 Ensemble modelling for frailty prediction

Presenter: [Miguel JUAREZ](#)

Ziqian SUN, Miguel JUAREZ

University of Sheffield, Sheffield, UK

00114 Older Adult Physical Performance and Dementia Onset: A 10-Year Longitudinal Study

Presenter: [Kangeun LEE](#)

Kangeun LEE¹, Jungjoo LEE², Seoyoon LEE¹, Junhyoung KIM³, Soobin PARK⁴

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00116 Patterns of digital device use and their associations with physical frailty and sarcopenia among community-dwelling older adults in Japan

Presenter: [Daisuke KAKITA](#)

Daisuke KAKITA, Shoma AKAIKA, Masanori MORIKAWA, Takuto OKUYA, Kazuki SOMA, Hiroyuki SHIMADA

Preventive Gerontology, Center for Gerontology and Social Science, Research Institute, National Center for Geriatrics and Gerontology, Aichi, Japan

00123 Social determinants of health, caregiver characteristics and frailty in a national home healthcare population

Presenter: [Walid ALKERIDY](#)

Walid ALKERIDY¹, Sulafa ALRKABI², Esraa ALDALOOJ³, Nawal SINDI⁴, Moath ALBARRAK⁴, Fatemah MUBARAKI⁴, Mohammad SHAH⁵, Khulud ALHARBI⁵, Meshal ALQAHTANI⁶, Saad ALSAAD¹, Shadan ALMUHAIDIB⁷

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00139 Understanding adherence trajectories in a technology-enhanced, multicomponent falls prevention programme among community-dwelling older adults

Presenter: [Goh JING WEN](#)

Goh JING WEN¹, Lim Wen Huey CATHERINE¹, Tan KOK YANG¹, Matchar DAVID BRUCE^{2,3}, Chan Wei-Ming ANGELIQUE^{1,2}

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00144 From malnutrition to neuropsychiatric symptoms in Alzheimer's disease: the sequential mediating effect by plasma P-tau 217 and cognitive impairment

Presenter: [Zhan LIU](#)

Zhan LIU¹, Jing LI², Tenghong LIAN², Jinghui LI¹, Dongmei LUO¹, Lu RONG¹, Fan ZHANG¹, Yao MENG¹, Yingdi LIU¹, Wei ZHANG²

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00156 Variability of insulin resistance in the sarcopenia-frailty syndrome

Presenter: Alan SINCLAIR

Alan SINCLAIR¹, Ahmed ABDELHAFIZ²

¹fDROP, Maidenhead, UK; ²Rotherham Gen Hospital, South Yorkshire, UK

00191 The effectiveness of scalable digitally supported behavioral intervention program on oral frailty and future care dependency risk in community-dwelling older adults

Presenter: Koichiro MATSUO

Koichiro MATSUO¹, Risako MIKAMI¹, Misaki TANAKA¹, Rena HIDAKA¹, Shunsuke FUNAOKA², Masayuki KUROSE³, Jun AIDA¹, Akiko KOJO⁴, Yuji MASUDA²

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00204 Identification and characterization of screening tools for functional decline in older adults with Down syndrome: a scoping review protocol

Presenter: Pascaline DEMBOUR

Pascaline DEMBOUR

IRSS, Bruxelles, Belgium

00217 Supporting physical activity in nursing homes through interdisciplinary collaboration

Presenter: Stine TROLLEBØ

Stine TROLLEBØ¹, Nina SKJÆRET-MARONI¹, Kristin TARALDSEN²

¹Norwegian University of Science and Technology (NTNU), Trondheim, Norway; ²Oslo Metropolitan University (OsloMet), Oslo, Norway

00221 Impact of multifactorial intervention on physical function and the importance of individualized approaches in older adults with frailty

Presenter: Ken SUGIMOTO

Ken SUGIMOTO¹, Hiroki HAMADA², Shohei TAMAKI³, Tomomi MONRI², Toshihiro WAKIMOTO²

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00234 Osteoarthritis and frailty: The mediating role of anger and anxiety in the association of social support with mobility

Presenter: Erin HARRELL

Erin HARRELL¹, Dylan SMITH²

¹University of Alabama, Tuscaloosa, USA; ²Stony Brook University, Stony Brook, USA

00276 The Coexistence of Hypertension and Arthritis Was Not Associated with Pain Severity in Community-Dwelling Older Adults in the United States

Presenter: Saud ALRAWAILI

Saud ALRAWAILI

Prince Sattam bin Abdulaziz University, Al-Kharj, Saudi Arabia

00278 Content validation and cognitive testing of a staff-reported questionnaire on hospital-at-home care in nursing homes

Presenter: Álvaro ALCALÁ-CASTILLO

Paula SOBRINI-MORILLO, Álvaro ALCALÁ-CASTILLO, Blanca CARBALLIDO-DE MIGUEL, Amparo MEDINA-CARRIZO, María Jesús LORENZO-DAPONTE, María GONZÁLEZ-VÁZQUEZ, Cristina BERMEJO-BOIXAREU

Hospital Puerta de Hierro, Madrid, Spain

00285 Falls and potential therapeutic interventions among elderly and older adult patients with cancer

Presenter: Walid Kamal ABDELBASSET

Walid Kamal ABDELBASSET

University of Sharjah, Sharjah, United Arab Emirates

00296 Prevalence and Psychosocial Risk Factors of Frailty among Older People Living with HIV: A Systematic Review and Meta-Analysis

Presenter: Yuhan XU

Yuhan XU, Alex Siu Wing CHAN, Sijia LI

Department of Social Work, Hong Kong Baptist University, Hong Kong

00298 Age at onset and social frailty-free life expectancy among older adults in Thailand: A multistate Markov model approach

Presenter: Dararatt ANANTANASUWONG

Dararatt ANANTANASUWONG¹, Pachitjanut SIRIPANICH², Vichitthamaros PREECHA², Theerawanviwat DUANPEN², Srikanjanasorn AUNGSUDHON², Chuayok PAILIN³, Kaewchankha WASIN⁴, Thongkum DANUPOL³

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00312 Psychotropic medication use and recurrent fall burden in community-dwelling older adults: A secondary longitudinal analysis

Presenter: Yen Chun WANG

Yen Chun WANG, Chih Wei NIU, Liang Kung CHEN, Li Ning PENG

Taipei Veterans General Hospital, Taipei, Taiwan

00318 Frailty and associated factors among hospitalized adults aged 50 years and older in Kurdistan, Iraq

Presenter: Mina ABDULRAZAQ

Mina ABDULRAZAQ, Mako ABDULLAH, Rozhyar KAMAL

Student, Erbil, Iraq

00320 Multidimensional Frailty and its association with Health-Related Quality of Life among Community-Dwelling Middle-Aged and Older Chinese Adults

Presenter: Wen SUN

Wen SUN¹, Ke WANG¹, Jian HUA¹, Yue ZHANG¹, Enying GONG²

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00327 reproductive factors and frailty in adult and older women: a systematic review

Presenter: Ayda QUINTERO

Ayda QUINTERO^{1,2}, Felipe DIAZ¹, Alejandra ARAYA¹

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00329 Aging, Frailty, and Gait Impairment: A Multimodal Dataset of Older Adults With and Without Falls

Presenter: Aex Siu Wing CHAN

Aex Siu Wing CHAN

Hong Kong Baptist University, Hong Kong

00331 Association between WHO intrinsic capacity and AWGS 2025-defined sarcopenia in Chinese older adults

Presenter: Fei ZHANG

Fei ZHANG, Ahiafor MAXWELL, Ziwen WANG, Dishan WU, Xuesong WANG, Hang XU, Haolin SHI, Zhong WANG

Tsinghua University, Beijing, China

00335 Improving Mental Health and Reducing Loneliness Among Older People Living with HIV in Hong Kong

Presenter: Aex Siu Wing CHAN

Aex Siu Wing CHAN¹, Rayner Kay Jin TAN², Elsie YAN³

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00353 Life's Essential 8 (LE8) Cardiovascular Health Score and Frailty Burden in Rheumatoid Arthritis: An NHANES 2005-2018 Analysis

Presenter: Namrata SINGH

Anushka KULKARNI¹, Arnesh GADE¹, Bhavik BANSAL², Pankti REID³, Brian ANDONIAN⁴, Tamiko KATSUMOTO⁵, Namrata SINGH⁶

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00362 Frailty, multimorbidity, and adverse health outcomes among middle-aged and older adults in China: joint associations and interactions

Presenter: Jiayi WANG

Jiayi WANG, Lijun FAN

Southeast University, 南京市, China

00363 From information to action in bone health management: collaborative care needs and digital support boundaries among older adults

Presenter: Li TIANXIN

Li TIANXIN

Adelaide university, Adelaide, Australia

00368 Frailty and Incidence of Immune Related Adverse Events in Melanoma Patients

Presenter: Julia CHERNIS

Julia CHERNIS¹, Pritika PARMAR¹, Sophia WHIDDON², Marisa BRIGHTMAN¹, Melissa WILSON¹, Steven TAYLOR¹, Luke MANTLE¹, Elizabeth KESSLER¹, Namrata SINGH³, William ROBINSON¹, Kristine ERLANDSON¹

¹University of Colorado Anschutz, Aurora, USA; ²Davidson College, Davidson, USA; ³University of Washington, Seattle, USA

00374 Beyond disease counts: frailty and disease patterns provide complementary mortality information in community-dwelling older adults from the FRASNET study

Presenter: Sarah DAMANTI

Sarah DAMANTI¹, Federica CUGNATA¹, Elena BRIONI², Marco SIMONINI², Laura ZAGATO², Lorenzo COCCHINI², Lorena CITTERIO², Aurora MEROLLA², Paolo MANUNTA², Angelo MANFREDI², Chiara LANZANI², Patrizia ROVERE QUERINI²

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00380 Prognostic validity of the Modified Thai Frailty Index for one-year mortality in hospitalized older adults

Presenter: Panas JESADAPORN

Jitsupa MONGKOLCHAIARUNYA, Siripong TEEPANEETEERAKUL, Panas JESADAPORN

Division of Geriatrics, Department of Internal Medicine, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand

00386 Bridging Biological Age and Frailty to Advance Clinical Care.

Presenter: Dhayana DALLMEIER

Dhayana DALLMEIER

Institute for Geriatric Research, Ulm University Medical Center, Ulm, Germany

00390 estimated prevalence and factors associated with frailty among community-dwelling older adults in sub-saharan africa: a systematic review with public health implications

Presenter: Thierry Roland NJILLE EHAWA

Thierry Roland NJILLE EHAWA¹, Gustave MABIAMA¹, Marie-Josiane NTSAMA ESSOMBA², Christine Fernande NYANGONO BIYEGUE¹, Isabelle BOURDEL-MARCHASSON³

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00392 Duration of Health Expectancy across Frailty States and Years Lived with Dependency among Older Adults in India: An Analysis of Gender and Residence

Presenter: Madhurima SHARMA

Madhurima SHARMA

International Institute for Population Sciences, Mumbai, India

00394 Unravelling the Cognitive Frailty Nexus: The Complex Interplay of Social Isolation and Loneliness among India's Ageing Population

Presenter: Madhurima SHARMA

Madhurima SHARMA

International Institute for Population Sciences (IIPS), Mumbai, India

00401 Bone-brain axis in Alzheimer's disease: associations among bone mineral density, inflammation, tau pathology and gray matter atrophy

Presenter: Fan ZHANG

Fan ZHANG¹, Jing LI², Tenghong LIAN², Peng GUO², Jinghui LI¹, Dongmei LUO¹, Lu RONG¹, Zhan LIU¹, Yao MENG¹, Yingdi LIU¹, Wei ZHANG²

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00405 Research progress in Alzheimer's disease and bone-brain axis

Presenter: Fan ZHANG

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00410 Age-stratified validity of a Veterans Affairs frailty index in inclusion body myositis: a landmark cohort analysis

Presenter: Vladimir LIARSKI

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00414 Long-term Body Mass Index Variability and Frailty in Middle-Aged and Older Adults: Findings from Middle- and High-income Countries, 2004–2022

Presenter: Qitong LIU

Qitong LIU

Institute of Chinese Medical Sciences, University of Macau, Macao, China

00419 Timed Up & Go Performance May Be Better Than CT-Derived Sarcopenia in Predicting Survival for Non-Metastatic Renal Cell Carcinoma

Presenter: Viraj A. MASTER

Gloria FUNG, Baris ESEN, Dattatraya PATIL, Reza LAHIJI, Sarah STRAUSSER, Leane KUO, Brendan BROWNE, Mohammad HAJIHA, Nazih KHATER, Valentina GRAJALES, Shreyas S. JOSHI, Vikram M. NARAYAN, Mehmet A. BILEN, Kenneth OGAN, Viraj A. MASTER

Department of Urology, Emory University School of Medicine, Atlanta, USA

00456 Frailty and geriatric oncology assessment in Morocco: current situation, practices and implementation perspectives

Presenter: Raja ARIE

Raja ARIE, Salma CHBANAT, Jawad BOUZID, Naoufal HIMMOUCH, Fatine HADRYA

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00467 Effects of a Core Stability Exercise Program on Functional Performance and Balance in Frail Older Adults with a History of Falls: A Pilot Study

Presenter: Walid Kamal ABDELBASSET

Walid Kamal ABDELBASSET

University of Sharjah, Sharjah, United Arab Emirates

00470 Number of physical frailty markers and risk of incident delirium and death in hospitalized older adults

Presenter: João ALberto Martins RODRIGUES

Maria Helena LENARDT, João Alberto Martins RODRIGUES, Clovis CECHINEL, Débora Christina De Alcântara LOPES, Crislaine De Moura CASTILHOS

Federal University of Paraná, Curitiba, Brazil

00476 Physical frailty and risk of delirium during hospitalization among older adults in a brazilian cohort

Presenter: João Alberto Martins RODRIGUES

Maria Helena LENARDT, João Alberto Martins RODRIGUES, Clovis CECHINEL, Débora Christina De Alcântara LOPES, Crislaine De Moura CASTILHOS

Federal University of Paraná, Paraná, Curitiba, Brazil

00478 developing and validating a weighted electronic frailty index (AoU-eFI2) for the all of us dataset

Presenter: Cameron LEE

Cameron LEE¹, Inga WANG², Paul AUER¹

¹Medical College of Wisconsin, Milwaukee, USA; ²University of Wisconsin-Milwaukee, Milwaukee, USA

00483 Cumulative Fall Exposure and Frailty in Older Adults: A 10-Year Longitudinal Analysis Accounting for Mortality and Attrition

Presenter: Fiona ALPASS

Fiona ALPASS

Massey University, Palmerston North, New Zealand

00489 Physical Frailty and Potentially Inappropriate Medication Use Among Hospitalized Older Adults: Changes During Hospitalization and at Discharge

Presenter: Clovis CECHINEL

Maria Helena LENARDT, Clovis CECHINEL, João Alberto Martins RODRIGUES, Débora Christina De Alcântara LOPES, Crislaine De Moura CASTILHOS

Universidade Federal Do Paraná, Curitiba, Brazil

00494 Physical Frailty, Potentially Inappropriate Medications, Delirium, and In-Hospital Mortality in Hospitalized Older Adults: A Retrospective Cohort Study

Presenter: Clovis CECHINEL

Maria Helena LENARDT, Clovis CECHINEL, João Alberto Martins Rodrigues RODRIGUES, Débora Christina De Alcântara LOPES, Crislaine De Moura CASTILHOS

Universidade Federal do Paraná, Curitiba, Brazil

00496 Physical Frailty Subtypes in Indonesian Older Adults: A Latent Class Analysis with Multidimensional Health Study

Presenter: Shu-Chun LEE

Shu-Chun LEE¹, Anung Ahadi PRADANA², Hiroki EKAWA³

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00513 Physical Resilience Predicts 1-Month Post-Discharge Functional Recovery in Hospitalized Older Patients Across Cognitive Frailty Statuses: A Multigroup Structural Equation Modeling Approach

Presenter: Fang-Wen HU

Ying-Syuan LU¹, Tzu-Jung FANG², Chung-Ying LIN³, Hsin-Ju TANG², Fang-Wen HU²

¹Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan; ²Kaohsiung Medical University, Kaohsiung, Taiwan; ³National Cheng Kung University, Tainan, Taiwan

00523 Real-world evidence for cancer cachexia across tumour types in FinnGen, a Finnish registry-linked research cohort

Presenter: Emmi TIKKANEN

Emmi TIKKANEN¹, Zhou BRUCE², Yunis CARLA³, Carie ADAM⁴, Hlavacek PATRICK³, Levin REBECCA³

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00541 Identification of a minimum trio of EGR1, DDX11L1 and miR454 associated with frailty and senescence pathways

Presenter: Ander MATHEU

Ander MATHEU

Biogipuzkoa Health Research Institute, San Sebastian, Spain

00551 An extended version of the Hospital Frailty Risk Score (HFRS) with additional diagnoses for risk-adjusted studies to be conducted in France: a nationwide observational study

Presenter: Jan CHRUSCIEL

Jan CHRUSCIEL, Jean-Luc NOVELLA, Rachid MAHMOUDI, Stéphane SANCHEZ

UR3797 VIEVRA, Reims, France

00560 Renal Frailty: An Organ-Specific Loss of Adaptive Capacity and a Window for the Prevention of Acute Kidney Injury

Presenter: Francisco J. LOPEZ-HERNANDEZ

Francisco J. LOPEZ-HERNANDEZ

Instituto de Investigación Biomédica de Salamanca, Salamanca, Spain

00565 Accelerated aging phenotype in critically ill patients after endotracheal intubation based on thoraco-spinal morphology matching on chest CT

Presenter: Xinyi CHEN

Xinyi CHEN, Xin-Gui PENG

Zhongda Hospital, School Of Medicine, Southeast University, Nanjing, China

00572 Olfactory Identification Is Associated With Domains of Physical Frailty in Head and Neck Cancer

Presenter: Ghena LABABIDI

Ghena LABABIDI¹, Rachel STEMME¹, Wassim NAJJAR¹, Dina GARMROUDI¹, Harry QUON^{2,3}, Christine GOURIN^{1,3}, Wayne KOCH¹, Maie A. ST. JOHN^{1,3}, Carole FAKHRY^{1,3}, Andrew LANE¹, Nicholas R. ROWAN^{1,4}, Leila J. MADY^{1,5}

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00575 Establishing normative hand-grip strength values among older adults in Kuwait and their relationship to functional tests

Presenter: Hesham ALROWAYEH

Hesham ALROWAYEH

Kuwait University, Jabriya, Kuwait

00581 Palliative Prognostic Index for Short-Term Mortality Prediction in Older Adults with Advanced Frailty: A Prospective Validation Study

Presenter: Ivan John CHIN

Ivan John CHIN, Miguel RAMOS, Alexander BALSOMO

St. Luke's Medical Center Quezon City, Iloilo City, Philippines

00596 A multicomponent intervention including dual-task exercise versus a control program for frail older adults in primary care: a randomized controlled trial

Presenter: Ariadna LLETJÀ-GUIJARRO

Ariadna LLETJÀ-GUIJARRO¹, Francesc RUBÍ-CARNACEA¹, Ramon AIGUADÉ¹, M^a Angeles COSTA-MENÉN², Helena FERNANDEZ-LAGO¹, Oriol MARTÍNEZ-NAVARRO¹

¹Universitat de Lleida, Lleida, Spain; ²Institut Català de la Salut, Lleida, Spain

00597 Motoric cognitive risk syndrome, frailty, and sarcopenia: patterns of coexistence in older adults receiving secondary care.

Presenter: Yandra LIMA

Yandra LIMA¹, Rita PATRÍCIO¹, Paloma LIMA¹, Saionara CÂMARA², Patrícia AZEVEDO³

¹University of Brasília, Brasília, Brazil; ²Federal University of Rio Grande do Norte, Natal, Brazil; ³University of Brasilia, Brasília, Brazil

00603 Impact of a multisensory healing environment on patient experience, delirium prevention, and functional decline in hospitalized older adults: protocol for the "A Orillas del Henares" prospective cohort study

Presenter: Myriam OVIEDO BRIONES

Myriam OVIEDO BRIONES¹, Cristina CASTRO CRISTOBAL¹, Tatiana SALGADO HERNANDEZ¹, Adriana RONDON MALDONADO¹, Jaime LOZANO EXPOSITO¹, Paula DURAN CANO¹, Mario CAMACHO², Francisco COCA DIAZ¹

¹Hospital Universitario del Henares, Fundacion para la Investigaición Biomedica del Hospital Infanta Sofia y Hospital del Henares, Madrid, Spain;

²Universidad Francisco Victoria, Madrid, Spain

00605 Eight-Year Trajectories of Frailty and Its Components in Brazilian Older Adults Transitioning From Their Eighties Into Their Nineties

Presenter: Karla Helena Coelho VILAÇA E SILVA

Karla Helena Coelho VILAÇA E SILVA¹, Patricia Garcia AZEVEDO², Flavia Maria Campos DE ABREU¹, Ingridy Fatima ALVES RODRIGUES¹, Andressa TEYMENY ANDRADE¹, Juliana MARTINS PINTO², Geovana Andréa MOREIRA¹, Camila PEREIRA CASAES¹, Thaíza Mickaelly FERREIRA DOS SANTOS ALVES¹, Ivana COELHO FERREIRA¹, Sara Kelly MARTINS DE SOUZA¹, Isadora SANTOS DO SACRAMENTO¹, Geovanna GONÇALVES RIBEIRO¹, Yasmim RODRIGUES RIBEIRO¹, Gabriel ALVES DE SOUSA¹

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00624 Validity and reliability of the remote application of the Clinical Frailty Scale Classification Tree

Presenter: Licelli Amante CARDOSO

Taina De Souza LOPES¹, Licelli Amante CARDOSO¹, Eduarda Borges MENDONÇA¹, Rodrigo Silva SANTOS¹, Amanda ALTHOFF², Mayron Faria De OLIVEIRA³, Darlan Lauricio MATTE¹, Lucas Santos Da SILVEIRA¹, Marlus KARSTEN¹

¹Santa Catarina State University (UDESC), College of Health and Sport Science (CEFID), Florianopolis, SC, Brazil; ²Santa Catarina State University (UDESC), College of Health and Sport Science (CEFID) - Florianopolis, SC (Brazil), Florianopolis, SC, Brazil; ³Lyon College, Exercise Science, Batesville, USA

00625 VES-13 Vulnerability and Mortality in Older Adults in Primary Care: Data from the PRO-EVA Study

Presenter: Álvaro MACIEL

Álvaro MACIEL¹, Sabrina MACEDO¹, Eujessika RODRIGUES², Dimitri GUEDES¹, Paulo BARBOSA², Fernanda CIVITELLA³, Edgar VIEIRA³

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00628 Criterion and construct validity of a frailty test battery in older adults hospitalized for cardiovascular disease

Presenter: Licelli Amante CARDOSO

Voldiana Lúcia Pozzebon SCHNEIDER, Licelli Amante CARDOSO, Gabrielly Maythe RAMOS, Davi Gabriel MORAES, Lucas Santos Da SILVEIRA, Darlan Laurício MATTE, Marlus KARSTEN

Santa Catarina State University (UDESC), College of Health and Sport Science (CEFID), Florianópolis, SC, Brazil

00631 Frailty and cognitive decline: links to axon-related proteomics and white matter microstructure among non-demented older adults

Presenter: Lu RONG

Lu RONG, Wei ZHANG

Beijing, China

00644 Non-alcoholic fatty liver disease is associated with accumulation of geriatric deficits in patients aged 60 years and older

Presenter: Popov EVGENII

Popov EVGENII, Nadezhda RUNIHINA, Valentina OSTAPENKO

Doctor, Russia

00648 Unraveling links between physical activity and frailty risk: role of different physical activity dimensions and mediating pathways.

Presenter: Hadil LIMEM

Hadil LIMEM¹, Andreas NILSSON², Aurelia SANTORO³, Laura SMELDY JURADO-MEDINA³, Agnes BERENDSEN⁴, Lisette DE GROOT⁴, Joanna KALUZA⁵, Ewa SICIŃSKA⁵, Susann FAIRWEATHER-TAIT⁶, Claudio FRANCESCHI³, Tarak DRISS¹, Fawzi KADI²

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⁵Department of Human Nutrition, Warsaw University of Life Sciences (WULS-SGGW), Warsaw, Poland; ⁶Norwich Medical School, University of East Anglia, Norwich, UK

00651 Early postoperative therapeutic exercise and functional resilience after hip fracture in Brazilian older adults: A retrospective longitudinal study

Presenter: Saionara CAMARA

Saionara CAMARA¹, Pollyanna BRITO^{1,2}, Roberto SEGUNDO², Luana FARACHE², Arnando ARAGÃO¹, João Vitor CARREIRO¹, Patrícia GARCIA³

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00655 Beyond the Mouth

Presenter: Lidya BASTA

Lidya BASTA¹, Mariam BASTA¹, Luke ABADIR², Sakie KATSUMURA³

¹Penn State Harrisburg, Mechanicsburg, USA; ²University of Maryland, College Park, USA; ³University of Texas Health Science Center, San Antonio, USA

00665 Resilient responses to functional limitations among older Catholic priests: a secondary qualitative analysis

Presenter: Dionisio RAMÍREZ-PÉREZ

Dionisio RAMÍREZ-PÉREZ, Valeria UGALDE-ZANELLA, Jonathan Alejandro GALINDO-SOTO, María De Jesús JIMÉNEZ-GONZÁLEZ

Universidad de Guanajuato, Celaya, Mexico

00672 Does frailty modify the association between statin initiation for primary prevention and cardiovascular events in older adults? A frailty-stratified sequential trial emulation

Presenter: Yuan-Zhi LIN

Yuan-Zhi LIN¹, Fei-Yuan HSIAO², Chung-Jan KANG³, Liang-Kung CHEN⁴, Shih-Tsung HUANG¹

¹Department of Pharmacy, College of Pharmaceutical Sciences, National Yang Ming Chiao Tung University, Taipei City, Taiwan; ²Graduate Institute of Clinical Pharmacy, College of Medicine, National Taiwan University, Taipei City, Taiwan; ³Department of Otolaryngology-Head and Neck Surgery, Linkou Chang Gung Memorial Hospital, College of Medicine, Chang Gung University, Taoyuan City, Taiwan; ⁴Center for Healthy Longevity and Aging Sciences, National Yang Ming Chiao Tung University, Taipei City, Taiwan

00694 Consequences of social & physical frailty in aging adults: A comparative study of associated outcomes

Presenter: Charles COLLINGE

Charles COLLINGE¹, Nidhi KOHLI², Monica LUCIANA¹

¹Department of Psychology, University of Minnesota, Minneapolis, Mn, USA; ²Department of Educational Psychology, University of Minnesota, Minneapolis, Mn, USA

00711 Skeletal muscle bioenergetic dysfunction: a mechanistic framework for physical frailty

Presenter: William FOUNTAIN

William FOUNTAIN

Indiana University, Indianapolis, USA

00724 Multidimensional environmental profiles and incident motoric cognitive risk syndrome among older adults

Presenter: Jinwei BIAN

Jinwei BIAN^{1,2}, Junxin LI¹

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00728 How has Clinical Frailty Scale use changed from 2005 to 2025?

Presenter: Olga THEOU

Olga THEOU, Alexandra VAN DER VALK, Selena MAXWELL, Christian SCHMIDT, Kenneth ROCKWOOD

Dalhousie University, Halifax, Canada

00730 Sleep Quality and Frailty Syndrome Among Community-Dwelling Older Adults: A Cross-Sectional Study

Presenter: Ricardo GUERRA

Ricardo GUERRA, Eunice MARANHÃO, Sabrina FERNANDES, Alvaro MACIEL

UFRN, Natal-RN, Brazil

00736 Peak oxygen consumption as an objective marker of the functional reserve gradient in older adults: frailty, pre-frailty, and robust status.

Presenter: Mariia AREFEVA

Mariia AREFEVA¹, Elena KOLESNIKOVA^{1,2}, Ksenia ERUSLANOVA¹, Nadezhda RUNIKHINA¹, Olga TKACHEVA¹, Grigory ARUTYUNOV²

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00765 Multidimensional factors associated with frailty in older patients with heart failure

Presenter: Małgorzata SZPAKOWICZ

Małgorzata SZPAKOWICZ¹, Małgorzata KUPISZ-URBAŃSKA², Urszula RELIGIONI³, Ada SAWICKA², Piotr CZAPSKI², Natasza KRAJEWSKA², Jan TOPCZEWSKI², Piotr JANKOWSKI²

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00799 Frailty management in cooperation of geriatrics and primary care using the new ICD-10-CZ diagnosis code for frailty

Presenter: Hana VANKOVA

Hana VANKOVA¹, Dana HRNCIARIKOVA², Vladimira BALIKOVA³, Norbert KRAL⁴, Miroslav ZVOLSKY⁵

¹Third Faculty of Medicine, Charles University and University Hospital Královské Vinohrady, Praha, Czechia; ²Faculty of Medicine in Hradec Kralove, Charles University, Hradec Kralove and University Hospital Hradec Kralove, Czechia; ³Third Faculty of Medicine, Charles University, Praha, Czechia; ⁴Institute of General Practice, 1st Faculty of Medicine Charles University, Praha, Czechia; ⁵Czech WHO-FIC Collaborating Centre, National Center for Medical Nomenclatures and Classifications. Institute of Health Information and Statistics of the Czech Republic, Praha, Czechia

00802 Frailty at admission predicts access to liver transplantation and death while waiting, but not survival after transplantation

Presenter: Daniela ZILINCANOVA

Daniela ZILINCANOVA, Svetlana ADAMCOVA SELCANOVA, Daniel Jan HAVAJ, Karolina Kristina SULEJOVA, Lubomir SKLADANY¹
HEGITO, Department of Hepatology, Gastroenterology and Liver Transplantation, F. D. Roosevelt University Hospital, Banská Bystrica, Slovakia

00812 Beyond Chronological Age: Frailty Predicts Poor Outcomes After Endovascular Therapy in Acute Ischemic Stroke Patients Aged ≥75 Years

Presenter: Lina MA

Wenhua YU, Lina MA

Xuanwu Hospital Capital Medical University, Beijing, China

00814 Physical Frailty, Social Frailty, and Incident Cognitive Impairment among Community-Dwelling Older Adults

Presenter: Claire WANG

Claire WANG, Junxin LI

Johns Hopkins School of Nursing, Baltimore, USA

00824 Semaglutide treatment and fragility fracture risk across frailty status in Veterans with obesity

Presenter: Sarah BAROUD

Sarah BAROUD^{1,2}, Fei TANG³, Ernesto BERNAL-MIZRACHI^{2,3}, Dominique TOSI^{2,3}

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00831 Higher Liver Frailty Index on the day of liver transplantation is associated with delayed hospital discharge, driven by patients unable to complete chair stands

Presenter: Daniel Jan HAVAJ

Daniel Jan HAVAJ¹, Lenka FIDLEROVA², Svetlana ADAMCOVA SELCANOVA¹, Karolina Kristina SULEJOVA¹, Janka VNENCAKOVA¹, Ivana IHNATOVA³, Lubomir SKLADANY¹

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00838 Effects of Reformer Pilates-Based Training on Functional Mobility, Balance, and Activities of Daily Living in Pre-Frail and Frail Older Adults: A Pilot Study

Presenter: Şükran ACAR

Sezen KARABORKLU ARGUT, Şükran ACAR

Istanbul University-Cerrahpaşa, Istanbul, Türkiye

00847 Inflammatory and Metabolic Biomarkers and Physical Frailty Among Older U.S. Adults: Evidence from the National Health and Aging Trends Study

Presenter: Muhammad THALIL

Muhammad THALIL¹, Manacy PAI²

¹The Pennsylvania State University, University Park, USA; ²Kent State University, Kent, USA

00854 Frailty and Risk of Falls in Older Adults with Cancer: A Systematic Review

Presenter: Sezen KARABORKLU ARGUT

Sezen KARABORKLU ARGUT, Eriselda ZEKAJ, Sule AYKUL

Istanbul University-Cerrahpaşa, Istanbul, Türkiye

00869 Food insecurity among older adults in the Peruvian Amazon: a cross-sectional analysis of rural communities

Presenter: Alvaro M. ÑAÑA-CORDOVA

Alvaro M. ÑAÑA-CORDOVA, Michele A. MACAVILCA-TORIBIO, Aitana BACA QUISPE, Lorena MURO FALLA, Jose F. PARODI, Kiara CAMACHO-CABALLERO, Fernando M. RUNZER-COLMENARES

Change Research Working Group, Facultad De Ciencias De La Salud, Universidad Científica Del Sur, Lima, Peru

00874 Predicting Physical Frailty and Fall Risk through Computer Vision Analysis of Human Movement: A Scoping Review

Presenter: Abel CHEN

Abel CHEN

Nanyang Technological University (NTU), Lee Kong Chian School of Medicine, Rehabilitation Research Institute of Singapore (RRIS), Singapore

00876 Integrating Objective Gait Biomarkers via Markerless Motion Capture with the Singapore Healthy Ageing Questionnaire for Mobility-Related Frailty

Presenter: Abel CHEN

Abel CHEN

Nanyang Technological University, Lee Kong Chian School of Medicine, Rehabilitation Research Institute of Singapore (RRIS), Singapore

00886 Sex differences in kynurenine-pathway associations with inflammation, physical function, and frailty

Presenter: Ime ESSIEN

Ime ESSIEN¹, Tae CHUNG¹, Jacqueline LOVETT², Chris WARD³, Humberto JOCA³, Huanle YANG¹, Mohammed KHADEER⁴, Jing TIAN¹, Qian-Li XUE¹, Anne LE¹, Luigi FERRUCCI⁴, Ruin MOADDEL¹, Rafa DE CABO⁴, Ahmet HOKE¹, Reyhan WESTBROOK¹

¹Johns Hopkins University, Baltimore, USA; ²National Institute of Aging, Baltimore, USA; ³University of Maryland, Baltimore, USA; ⁴National Institute of Aging, Baltimore, USA

00888 Tensor factorization of glucose challenge of stable isotope-resolved metabolomics in frail and non-frail individuals

Presenter: Ime ESSIEN

Ime ESSIEN, Laura MCDANIEL, Peter ABADIR, Reyhan WESTBROOK

Johns Hopkins University, Baltimore, USA

00891 Can brief education and advice on exercise and dietary protein intake be effective? A randomised-controlled trial in the Singapore primary care setting

Presenter: Sai Zhen SIM

Sai Zhen SIM, Pui Mun LIEW, Tin Chiang WON, Sabrina Poay Sian LEE, Sheryl Hui Xian NG, Michelle Jessica PEREIRA, Shuya LU, David Wei Liang NG

National Healthcare Group Polyclinics, Singapore

HEALTHY LONGEVITY & GEROSCIENCE

39 posters

00002 Association of oral menopausal hormone therapy with interleukin-6, quality of life, and psychological well-being in postmenopausal women

Presenter: Sakda Arj-Ong VALLIBHAKARA

Orawin VALLIBHAKARA¹, Sakda Arj-Ong VALLIBHAKARA², Phusanaphan PHANTHONG³, Kittti CHATTRAKULCHAI¹, Tiraput POONPANICHAKUL⁴

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00007 Dietary supplement use and supplement literacy among Thai midlife women: implications for healthy longevity

Presenter: Sakda Arj-Ong VALLIBHAKARA

Sakda Arj-Ong VALLIBHAKARA¹, Orawin VALLIBHAKARA², Watcharapun THITIWATCHARADEJ³, Manawee SUKSANGPANOMRUNG³, Thanachot TUANWEERADET³, Kittti CHATTRAKULCHAI²

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00013 Enhancing Sarcopenia Screening in Primary Care: A Machine Learning Approach Using Simple Physical Tests vs. SARC-F in 2,788 Community-Dwelling Older Adults

Presenter: Jiang ZHIZHI

Jiang ZHIZHI

Xiaoying Community Health Service Center, Hangzhou, China

00066 Aged-senescent fibroblasts secrete lipid to promote the exhaustion of natural killer cells in ovarian cancer

Presenter: Kehinde OMOLOJA

Kehinde OMOLOJA

University of Michigan, Ann Arbor, USA

00130 Circulating microRNA trajectories as molecular readouts of normal and pathological brain aging

Presenter: Urszula WOJDA

Simran YADAV¹, Aida MUNTSAN-SORIA², Lydia GIMÉNEZ-LLORT², Urszula WOJDA¹

¹Laboratory of Preclinical Testing of Higher Standard, Neurobiology Center, Nencki Institute of Experimental Biology, Polish Academy of Sciences, Warsaw, Poland; ²Institut de Neurociències, Universitat Autònoma de Barcelona, Barcelona, Spain

00186 Neural correlates of handgrip strength asymmetry in normal aging and older adults with mild cognitive impairment

Presenter: Muhammad YOUNIS

Muhammad YOUNIS

Vrije Universiteit Brussel, Brussel, Belgium

00198 A Sustainable Rehabilitation Care Model for Sarcopenia: Shifting Physical Therapy from Reactive Management to Life-Course Health Promotion

Presenter: Ya Hsing CHENG

Ya Hsing CHENG

email, Hsinchu City, Taiwan

00200 the biperage project - transfer effects of stationary bicycle perturbation training on cycling skills and balance in older adults

Presenter: Sebastian KRUMPOCH

Sebastian KRUMPOCH¹, Jana ROGLER¹, Ellen FREIBERGER¹, Noam MARGALIT², Roei ZEHAVID³, Sharon BARAK⁴, Robert KOB¹, Itshak MELZER²

¹Institute for Biomedicine of Aging, Friedrich-Alexander-Universität Erlangen-Nürnberg, Nuremberg, Germany; ²Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel; ³Faculty of Engineering, Ben-Gurion University of the Negev, Beer-Sheva, Israel; ⁴Faculty of Health Sciences, Ariel University, Ariel, Israel

00202 Nutrition-Related Factors Associated With 30-Day Unplanned Readmission Among Older Hospitalized Patients: A Single-Center Retrospective Cohort Study

Presenter: Ying HUANG

Ying HUANG

Chongqing Corps Hospital of the Chinese People's Armed Police Force, Chongqing, China

00252 A remodelling of tissue underlying the changes in MRI biomarkers in muscle ageing

Presenter: Beatrice MATOT

Beatrice MATOT¹, Agathe PERNEY¹, Sebastien BOUGNAUD¹, Bruno CADOT², Zoheir GUESMIA², Louis RIGLER¹, Pierre-Yves BAUDIN¹, Maud BEUVIN³, Teresinha EVANGELISTA^{3,4}, Benjamin MARTY¹, Harmen REYNGOUDT¹, Yves FROMES¹

¹Institute of Myology, Neuromuscular Investigation Center, NMR Laboratory, Paris, France; ²Sorbonne University, INSERM U974, Institute of Myology, GH Pitié Salpêtrière, Paris, France; ³Neuromuscular Morphology Unit, Neuromuscular Investigation Center, Institute of Myology, Paris, France; ⁴Functional Unit of Neuromuscular Pathology, Neuropathology Laboratory, GH Pitié Salpêtrière, Paris, France

00274 Maturation-dependent juvenile factors in aging and injury

Presenter: Raghavan RAJU

Raghavan RAJU

Augusta University, Augusta, USA

00325 Changing the Trajectory of functional aging: Lifestyle Interventions Across the Cancer Continuum

Presenter: Melinda STOLLEY

Melinda STOLLEY¹, Patricia SHEEAN², Iwalola AWOYINKA¹

¹Medical College of Wisconsin, Milwaukee, USA; ²Loyola University Chicago, Chicago, USA

00339 Olive-derived polyphenols and healthy ageing: a scoping review of mechanistic evidence and gaps in human functional outcomes

Presenter: Zhang MEIQI

Zhang MEIQI

Sichuan University, Chengdu, China

00346 Non-linear insulin–glucagon crosstalk regulates hepatic stress adaptation and metabolic resilience

Presenter: Svjatoslavs KISTKINS

Svjatoslavs KISTKINS¹, Līga ELIŅA², Rihards SAKSIS², Inessa BOGDANOVA³, Dmitrijs BLIZNUKS¹, Kaspars MEGNIS²

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00417 Safeguarding Functional Capacity: The Synergistic Impact of Sarcopenic Obesity on Intrinsic Falls

Presenter: Nirmal NATH UPADHYAY

Nirmal NATH UPADHYAY, Shivani CHANDEL

Laboratory of Kinanthropometry, Ergonomics and Physiological Anthropology, Department of Anthropology, University of Delhi, New Delhi, India

00425 Not only frailty but also pre-frailty is associated with shorter major chronic disease-free life expectancy

Presenter: Wang JIAO

Wang JIAO¹, Wang SHUQI²

¹National Clinical Research Center for Geriatrics, West China Hospital of Sichuan University, Chengdu, China; ²Department of Epidemiology and Biostatistics, School of Public Health, Tianjin Medical University, Tianjin, China

00428 Cerebellar Reconfiguration in Alzheimer's Continuum: Structural, Connectomic, Oculomotor Signatures

Presenter: Dongmei LUO

Dongmei LUO, Tenghong LIAN, Peng GUO, Jing LI, Lu RONG, Yao MENG, Ruidan WANG, Yingdi LIU, Wei ZHANG

Beijing Tiantan Hospital, Capital Medical University, Beijing, China

00431 The joint impact of long sleep duration and systemic immune-inflammation index on cognitive function in the general and Alzheimer's disease population: evidence from the NHANES and TTCC cohorts

Presenter: Jing LI

Jing LI, Yao MENG, Wei ZHANG

Beijing Tiantan Hospital, Bei Jing, China

00434 Alzheimer's disease with depression: clinical characteristics and potential mechanisms involving orexin and brain atrophy

Presenter: Jing LI

Jing LI, Wei ZHANG

Beijing Tiantan Hospital, Bei Jing, China

00451 Four criteria for establishing cardiometabolic medicine as a pragmatic platform for testing geroscience hypotheses

Presenter: Svjatoslavs KISTKINS

Svjatoslavs KISTKINS¹, Anna NOWAK-SZWED², Dmitrijs BLIZNUKS¹, Marek POSTULA³, Bruno VELLAS⁴, Harald SOURIJ⁵

¹Riga Technical University, Riga, Latvia; ²Harvard Medical School, Boston, USA; ³Medical University of Warsaw, Warsaw, Poland; ⁴University of Toulouse, Toulouse, France; ⁵Medical University of Graz, Graz, Austria

00469 Safety of a Zero-Fat Diet in Postoperative Management Following Open Nephrectomy for Renal Cell Carcinoma

Presenter: Viraj M. MASTER

Baris ESEN¹, Dattatraya PATIL¹, Gloria FUNG¹, Charan KOLTUR¹, Nalen PATEL¹, Braden JAMES¹, Nahar IMTIAZ¹, Brendan Micheal BROWNE¹, Reza NABAVIZADEH², Jennifer K. FREDIANI³, Valentina GRAJALES¹, Shreyas S. JOSHI¹, Vikram M. NARAYAN¹, Kenneth OGAN¹, Viraj M. MASTER¹

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00481 Cancer Prevention Across the Life Course: Literacy, Ageing and Intersectional Inequalities

Presenter: Carina DANTAS

Carina DANTAS¹, Maria Jose SANTOFIMIA², Hugo SOARES³, Maria João MARQUES⁴

¹SHINE 2Europe, Coimbra, Portugal; ²University of Castilla-La Mancha, Ciudad Real, Spain; ³AICIB - Agency for Clinical Research and Biomedical Innovation, Lisbon, Portugal; ⁴NOVA University Lisbon - National School of Public Health, Lisbon, Portugal

00486 Frequency of leisure activity participation and plasma Alzheimer disease-related biomarkers in the China-Aging community cohort

Presenter: [Xiaoxia WEI](#)

Xiaoxia WEI¹, He Elaine XU², Hejiao MAO², Ruitai SHAO¹, Qi QIN², Yi TANG²

¹School of Population Medicine and Public Health, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China;

²Department of Neurology & Innovation Center for Neurological Disorders, Xuanwu Hospital, Capital Medical University, National Center for Neurological Disorders, Beijing Key Laboratory of Digital Medicine for Cognitive Disorders, Beijing, China

00487 Plasma homocysteine and Aβ42/Aβ40 among community-dwelling older adults in the China-Aging cohort

Presenter: [Xiaoxia WEI](#)

Xiaoxia WEI¹, He Elaine XU², Hejiao MAO³, Ruitai SHAO¹, Qi QIN², Yi TANG²

¹School of Population Medicine and Public Health, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China;

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00504 AGELESS-PATHS: Pilot Biomarker Assessment Among People Experiencing Homelessness

Presenter: [Benjamin J SELIGMAN](#)

Benjamin J SELIGMAN¹, Brianna J STUBBS², Kylie G HILTON², Stacey CASTELLANOS¹, Saachi PAVANI¹, Laura ALEXANDER², Hannah COPELAND², Chatura SENADHEERA², Elizabeth STEPHENS², Jessie CHIEN¹, Benjamin HENWOOD³, Randall KUHN¹, John C NEWMAN⁴

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00515 Motivation interviewing to reduce elder abuse and neglect: Findings from a randomised controlled trial in Hong Kong

Presenter: [Elsie YAN](#)

Elsie YAN

The Hong Kong Polytechnic University, Hong Kong

00517 A Multi-Domain, Biomarker-Gated Longevity OS (GOQii Sanjeevini) Improves Cardiovascular, Physical, and Inflammatory Endpoints in Older Adults: Results from a 60-Day RCT

Presenter: [Princee SABHARWAL](#)

Princee SABHARWAL

GOQii, Mumbai, India

00530 Improved Body Composition, Gait Speed, and Personal Care in Older Adults in Aged Care: The Pomerium Study Trial, a 3-Month Multi-Nutrient Supplementation Randomised Controlled Trial

Presenter: [Ahmed AL SAEDI](#)

Ahmed AL SAEDI^{1,2}, Rezmann LINDA^{1,3}, Liliuano SANDRA¹, Vogrin SARA¹, Alan HAYES¹

¹. Department of Medicine-Western Health, The University of Melbourne, Victoria, Australia; ²2. Australian Institute for Musculoskeletal Science (AIMSS), St Albans, Victoria, Australia; ³4. Institute for Health and Sport, Victoria University, Melbourne, Victoria, Australia

00537 Obesity and accelerated organ ageing: clinical obesity, muscle and locomotive function in 39 648 Japanese adults

Presenter: [Goto CHIHIRO](#)

Goto CHIHIRO^{1,2}, Yamada KEIKO^{2,3}, Nakagawa RYO^{1,4}

¹Omiya City Clinic, Saitama, Japan; ²Division of Advanced Preventive Medicine, Chiba University, Chiba, Japan; ³Department of Physical Therapy, Graduate School of Human Health Sciences, Tokyo Metropolitan University, Tokyo, Japan; ⁴Department of Rehabilitation, The University of Tokyo Hospital, Tokyo, Japan

00552 Biological age as risk-equivalent age for precision healthy longevity

Presenter: Sheng FONG

Sheng FONG^{1,2}, Woon-Puay KOH^{3,4}, Jan GRUBER^{3,5}

¹Department of Medicine, Yong Loo Lin School of Medicine, National University of Singapore, Singapore; ²Division of Geriatric Medicine, Department of Medicine, Ng Teng Fong General Hospital, National University Health System, Singapore; ³Healthy Longevity Translational Research Programme, Yong Loo Lin School of Medicine, National University of Singapore, Singapore; ⁴Institute for Human Development and Potential, Agency for Science, Technology and Research (A*STAR), Singapore; ⁵Department of Biochemistry, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

00612 Relationship Between Oral Frailty and Functional Disability: A 16-Year Prospective Cohort Study

Presenter: Takamasa KOMIYAMA

Takamasa KOMIYAMA¹, Takashi OHI^{1,2}, Daizo SEKI¹, Yoshinori HATTORI^{1,3}

¹Tohoku University Graduate School of Dentistry, Sendai, Japan; ²Japanese Red Cross Ishinomaki Hospital, Ishinomaki, Japan; ³The Healthspan Research Center, Tohoku University, Sendai, Japan

00635 Cognitive impairment and aging in people with HIV: A review of risk factors, clinical features, and management

Presenter: Sijia LI

Sijia LI, Yuhua XU, Alex Siu Wing CHAN

Hong Kong Baptist University, Hong Kong

00663 Lifestyle Behaviors as Predictors of Healthspan: Findings from the Korean Frailty and Aging Cohort Study

Presenter: Yunhwan LEE

Yunhwan LEE¹, Jimin HAN¹, Eunsaem KIM¹, Sukyung KIM¹, Yoogyung SHIN¹, Si Kyung KIM², Purevsuren BOLDBAATAR¹, Miji KIM³

¹Ajou University School of Medicine, Suwon, South Korea; ²Gyeonggi Trauma Systems Organization, Suwon, South Korea; ³Kyunghee University, Seoul, South Korea

00703 Natural Aging Reveals an Adipose Remodeling Transition and Distinct Nutritional Response Profiles

Presenter: Siying TU

Siying TU, Xu SHAN, Hao XIAOYU, Wang SHAOKANG

Southeast university, Nanjing, China

00709 Changes in self-reported symptoms related to chronic inflammation and metabolic disorders during care with LYTIS Longevity, a standardized manual therapy: an observational real-world study

Presenter: Nathalie DUARTE

Nathalie DUARTE

LYTIS Longevity, Paris, France

00773 Proteomics of Germ Line Reset Across Species

Presenter: Leon PESHKIN

Leon PESHKIN

SPRIND, Paris, France

00794 Association of mitochondrial DNA copy number and cognitive performance among people with and without HIV

Presenter: Jing SUN

Lydia LIU¹, Yutong JIANG², Zixuan HE¹, Dan ARKING³, Todd BROWN³, Gregory KIRK¹, Leah RUBIN³, Damani PIGGOTT³, Jing SUN¹

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00796 Inflammatory Biomarkers and Incident Preclinical Mobility Limitation in Older Adults

Presenter: Pallavi TYAGI

Pallavi TYAGI, Jie CHEN

University of Maryland College Park, College Park, USA

00861 Physical Activity Levels and Falls in Patients on Hemodialysis: A Multicenter Cohort

Presenter: Heitor RIBEIRO

Heitor RIBEIRO¹, Marvery DUARTE¹, Otávio NÓBREGA¹, Fábio VIEIRA¹, Jéssica ROURE¹, Daiana BUNDCHEN², Henrique DISESSA³, Maryanne SILVA⁴, Rodrigo KRUG⁵, Dário MONDINI⁶, Marco UCHIDA⁶, Maristela BOHLKE⁷, Ana PFARRIUS⁶, Luciana DE JESUS⁸, Maycon REBOREDO⁸

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ICOPE IMPLEMENTATION FROM CLINICAL PRACTICE TO RESEARCH

15 posters

00040 Preferences for home- and community-based services among older adults with cognitive impairment in China: a discrete choice experiment

Presenter: Chun CHEN

Mingyu HUANG, Chun CHEN

wenzhou Medical University, Wenzhou, China

00042 Preferences for home- and community-based services among older adults with disabilities in China: a discrete choice experiment

Presenter: Chun CHEN

Zhiming XIE, Chun CHEN

wenzhou Medical University, Wenzhou, China

00059 Responder Profiles and Multidomain Intrinsic Capacity Improvement Following a Physiotherapy-Led WHO-ICOPE Program: A Post-hoc Secondary Responder Analysis of the PTICOPE Randomized Trial

Presenter: Nurhazrina NOORDIN

Nurhazrina NOORDIN¹, Maria JUSTINE²

¹Ms, Kuantan, Malaysia; ²Assoc Prof, Selangor, Malaysia

00146 Where muscle health enters policy: institutional and documentary architecture across 19 Latin American countries

Presenter: A. PUELLES-DÍAZ

A. PUELLES-DÍAZ^{1,2}, F. BALBONTIN-ANDRADES², A. MUÑOZ-ALVEAL²

¹Universidad de La Serena, La Serena, Chile; ²Universidad del Alba, La Serena, Chile

00218 Association of Social Interaction with Baseline and 6-Month Intrinsic Capacity Among Community-Dwelling Older Adults: Findings from the INFINITY-ICOPE Programme in Singapore

Presenter: Denise Qian Ling CHUA

Denise Qian Ling CHUA¹, Jing Yi Felicia WONG¹, Gary Kum Hoe KWOK¹, Jin Jin LIM¹, Min Xian WANG¹, Hong Choon OH², Bee Gek Laura TAY³

¹Centre for Population Health Research and Implementation, SingHealth Office of Regional Health, Singapore; ²Health Services Research Department, Singapore; ³Department of Geriatric Medicine, Sengkang General Hospital, Singapore

00264 Peer-led community-based research: Working with diverse communities in the development of a culturally relevant frailty intervention

Presenter: Dinesh SAMUEL

Dinesh SAMUEL¹, Jackie SEELY¹, Perna MATHUR², Jeni MALPASS³, Sara MCKELVIE¹, Basma ELLAHI⁴, Harnish PATEL¹, Simon CONROY², Issy READING¹, Tracey SACH¹, Aziz SHEIKH⁵

¹University of Southampton, Southampton, UK; ²Queen Mary University London, London, UK; ³Hampshire and Isle of Wight Healthcare NHS Foundations Trust, Southampton, UK; ⁴Christ Church Canterbury University, Canterbury, UK; ⁵University of Oxford, Oxford, UK

00266 Deployment of multi-domain interventions for the prevention of functional decline in older adults: an implementation study in eight APTITUDE PROXI sites

Presenter: Céline MATHIEU

Céline MATHIEU, Neda TAVASSOLI, Pauline PUJOS, Christine LAFONT, Justine DE KERIMEL, Maria SOTO MARTIN, Bruno VELLAS
HealthAge University Hospital Institute, Toulouse University Hospital, Toulouse, France

00341 Health goals of older adults reflect multimorbidity but not intrinsic capacity impairment: an implementation gap in ICOPE care planning in China

Presenter: Yushan ZHANG

Yushan ZHANG, Ji SHEN, Hong SHI

Beijing Hospital, National Center for Gerontology, Beijing, China

00426 Implementing the enhanced Multicomponent Healthy Ageing Package (MHAP+), an ICOPE-informed, community-based programme for promoting healthy ageing among community-dwelling older adults in Hong Kong: An implementation study protocol

Presenter: Ruby YU

Ruby YU^{1,2}, Derek LAI¹, Cindy WANG¹, Matt WONG¹, Jean WOO^{2,3}, Samuel WONG¹

¹Jockey Club School of Public Health and Primary Care, Faculty of Medicine, The Chinese University of Hong Kong, Shatin, Hong Kong; ²CUHK Jockey Club Institute of Ageing, The Chinese University of Hong Kong, Shatin, Hong Kong; ³Department of Medicine and Therapeutics, Faculty of Medicine, The Chinese University of Hong Kong, Shatin, Hong Kong

00500 What remains intact? Physiotherapy perspective on ICOPE step 1 in an adult day care center, Mexico: a cross-sectional study

Presenter: Valeria UGALDE-ZANELLA

Valeria UGALDE-ZANELLA, Jonathan GALINDO-SOTO, Dionisio RAMÍREZ-PÉREZ, María De Jesús JIMÉNEZ-GONZÁLEZ, Carlos Alberto NUNEZ-COLIN

Universidad de Guanajuato, Celaya, Mexico

00501 Introducing administrative support software in adult day care services: preliminary results of a multi-facility longitudinal study on staff work allocation, psychological stress, and older users' quality of life in Japan

Presenter: Keiko YAMADA

Keiko YAMADA¹, Keisuke KUBOTA², Naoki SHIMADA³, Tatsunori KUMAGAI¹, Junta YAMAGUHI¹, Shinya OKU⁴, Naohiko KANEMURA², Ryo KYURAGI⁵, Takatori UEDA⁵

¹Tokyo Metropolitan University, Tokyo, Japan; ²Saitama Prefectural University, Saitama, Japan; ³Tokyo Metropolitan University - Tokyo (Japan), Tokyo, Japan; ⁴Tokyo Science University, Tokyo, Japan; ⁵Rehab for JAPAN, Tokyo, Japan

00527 A digital ecosystem for functional-capacity oriented care: Implementing a nursing core dataset for intrinsic capacity in nursing development units

Presenter: Pascal MÜLLER

Pascal MÜLLER¹, Kerstin EICHSTÄDT¹, Daria REICHELT², Nicole REINSPERGER¹, Alexander Thomas LINDE², Sebastian HOFSTETTER¹, Daniel TILLER², Patrick JAHN¹

¹Martin-Luther-University Halle-Wittenberg, Halle (Saale), Germany; ²University Hospital Halle (Saale), Halle (Saale), Germany

00535 Implementation of the WHO ICOPE program in France: experience from 152,872 ICOPE Monitor participants

Presenter: Justine DE KERIMEL

Caroline BERBON^{1,2}, Christine LAFONT¹, Neda TAVASSOLI¹, Isabelle CARRIE¹, Catherine TAKEDA¹, Laure ALDEBERT¹, Brune RIEUNIER¹, Justine DE KERIMEL¹, Sandrine ANDRIEU^{1,2}, Maria Eugenia SOTO MARTIN^{1,2}, Bruno VELLAS^{1,2}

¹IHU HealthAge, Toulouse University Hospital, Toulouse, France; ²Healthy Aging Team, CERPOP, INSERM UMR 1295, University of Toulouse, Toulouse, France

00852 Intrinsic capacity screening with the WHO ICOPE step 1 tool in community-dwelling older adults in Luanda, Angola: a cross-sectional study

Presenter: Rita SANTA BÁRBARA

Rita SANTA BÁRBARA, Joyce CAMBALI

Universidade Privada de Angola, Luanda, Angola

00856 Implementing ICOPE in countries with emerging geriatric culture and practices.**Presenter:** Marina KOTSANI

Marina KOTSANI¹, George SOULIS², Sofia DUQUE³, Vankova HANA⁴, Moza SOTIRIA⁵, Salem MOHAMED⁶, Petreska-Zovic BILJANA⁷, Bahat GÜLISTAN⁸, Ozkok SERDAR⁸, Piotrowicz KAROLINA⁹

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INTRINSIC CAPACITY

51 posters

00034 Intrinsic Capacity Impairments and Frailty Transitions Among Older Adults: Evidence from Taiwan's Nationwide WHO ICOPE Programme

Presenter: Chung-Yi LI

Yu-Tai LO^{1,2}, Chung-Yi LI², Jia-Ni XIE³, Yann-Yuh JOU⁴, Yuan-Fang CHUNG⁴, Li-Ju LIN⁴, Ching-Fen SHEN⁴, I-Lin HSU^{5,6}, Ming-Chuan HSU⁷, Chiachi Bonnie LEE^{3,8}

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00044 Intrinsic Aerobic Capacity And Disease Progression in SOD1-G93A Rats

Presenter: John STANFORD

Nasrin SHAHLARI¹, Haasini GORREPATI¹, Merryn RUPP¹, Lauren KOCH², Steve BRITTON³, Dudley WEIMAR¹, Sara ALMARABEH¹, Andrew LUTKEWITTE¹, Yomna BADAWEI¹, John STANFORD¹

¹University Of Kansas Medical Center, Kansas City, USA; ²University Of Toledo, Toledo, USA; ³University Of Michigan, Ann Arbor, USA

00073 The modified 30-second sit-to-stand test: clinical baselines, gait speed, and fall risk prediction in older adults requiring hand support

Presenter: Kerstin PALOMBARO

Linda MCALLISTER¹, Kerstin PALOMBARO², Kenneth MILLER³, Veronica SOUTHARD⁴, Michael TAUTONICO⁴

¹Arcadia University, Glenside, USA; ²Widener University, Chester, USA; ³Medical University of South Carolina, Charleston, USA; ⁴New York Institute of Technology, Old Westbury, USA

00096 From data to biomarker: multi-perspective agentic evidence synthesis for urine DNA-methylation discovery in bladder cancer

Presenter: Niel VANHAMEL

Niel VANHAMEL

Ghent University, Ghent, Belgium

00109 Early-life foundations of midlife intrinsic capacity

Presenter: Nicole SERGEYEV

Nicole SERGEYEV¹, J. Kathy XIE¹, Renate HOUTS¹, Christopher KOSITZKE¹, Terrie MOFFITT^{1,2}, Avshalom CASPI^{1,2}

¹Department of Psychology & Neuroscience, Duke University, Durham, USA; ²Institute of Psychiatry, King's College London, London, UK

00125 Intrinsic capacity trajectory during the first three months after hip fracture and its association with falls during the first year in older adults

Presenter: Daniela Cristina CARVALHO DE ABREU

Luana Leticia CAPATO¹, José Roberto DE FARIA JUNIOR¹, Anne Caroline LIMA BANDEIRA², João Pedro PASSOS FACIOLI³, Victoria MESSAGE FUENTES¹, Ester SILVA ESTEVAM¹, Thaina Gabriele CAMARGO DA CRUZ¹, Álvaro SUNDIN FOLTRAN⁴, Gustavo Henrique PELINSON⁴, Daniela Cristina CARVALHO DE ABREU⁴

¹PhD student, Ribeirao Preto, Brazil; ²Physiotherapist, Ribeirao Preto, Brazil; ³Master degree student, Ribeirao Preto, Brazil; ⁴Professor, Ribeirao Preto, Brazil

00134 Proposed title: Beyond the Absence of Disease: The Circadian Salugenetic Exposome (CSE/ASMIR) as a Framework for Operationalizing Health and Intrinsic Capacity.

Presenter: Jairo ECHEVERRY-RAAD

Jairo ECHEVERRY-RAAD

Fundación Universitaria Juan N. Corpas, Bogotá, Bogota / Engativa, Colombia

00149 Baseline Intrinsic Capacity and Mortality among Older Adults in French Caribbean Long-Term Care Facilities: Results from the KASA cohorts

Presenter: Maturin TABUE-TEGUO

Maturin TABUE-TEGUO¹, Matteo CESARI², Jean-François DARTIGUES³, Denis BOUCAUD-MAITRE⁴

¹CHU de Martinique, Fort-de-France, Martinique; ²University of Milan, Milan, Italy; ³Université de Bordeaux, Bordeaux, France; ⁴CH Le Vinatier, Bron, France

00177 Assessment of the effects of aging on calf muscles by quantitative MRI

Presenter: Yves FROMES

Yves FROMES, Jean-Marc BOISSERIE, Sophie JOUAN, Mathias DUVENTRU, Béatrice MATOT, Benjamin MARTY, Reyngoudt HARMEN

Institute of Myology, Paris, France

00206 Self-reported Physical Activity and Body Composition Measurements; A tale of asynchrony

Presenter: Eshan PRASANNA

Eshan PRASANNA

Centennial High School, Ellicott City, USA

00224 Intrinsic Capacity and Its Domains in Hospitalised Older Adults: Associations with Frailty and Age

Presenter: Anna RONCA

Anna RONCA¹, Valeria BENAGLIA², Laura BAGNARA¹, Marco PROIETTI²

¹Division of Subacute Care, IRCCS Istituti Clinici Scientifici Maugeri, Milan, Milano, Italy; ²Division of Cardiogeriatric Subacute Care, IRCCS Istituti Clinici Scientifici Maugeri, Milan, Milano, Italy

00227 timed up and go performance and all-cause mortality in the oldest-old and centenarians in Hainan

Presenter: Yu HU

Yu HU

Beijing, China

00235 Motor-cognitive dimensions of Chinese calligraphic handwriting as a therapeutic intervention: a scoping review

Presenter: Ssu-Chi CHEN

Ssu-Chi CHEN¹, Arkers Kwan Ching WONG¹, Julie Chu Li KWONG², Victor Chun Keung LUI², Agatha Yuk Ah WONG¹

¹School of Nursing, The Hong Kong Polytechnic University, Kowloon, Hong Kong; ²Caritas Medical Centre, Hospital Authority, Kowloon, Hong Kong

00240 Intrinsic capacity, systemic inflammation, and mortality in a nationally representative cohort of older Brazilian adults

Presenter: Márlon ALIBERTI

Márlon ALIBERTI¹, Renato DE MELLO², Juliana MAMBRINI³, Moreira BRUNO³, Torres JULIANA³, Braga LUCIANA³, Lima-Silva MARIA LUIZA³, Peixoto SÉRGIO³, Lima-Costa MARIA FERNANDA³, Ferrioli EDUARDO¹

¹Laboratório de Investigação Médica em Envelhecimento (LIM-66), Serviço de Geriatria, Hospital das Clínicas HCFMUSP, Faculdade de Medicina, Universidade de São Paulo, São Paulo, Brazil; ²Federal University of Rio Grande do Sul, Division of Internal Medicine, Geriatric Unit, Hospital de Clínicas de Porto Alegre, Porto Alegre, Brazil; ³Núcleo de Estudos em Saúde Pública e Envelhecimento (NESPE), Universidade Federal de Minas Gerais e Fundação Oswaldo Cruz, Belo Horizonte, Brazil

00315 Mapping biological correlations of Intrinsic capacity: a network analysis of routine laboratory biomarkers in community-dwelling older adults

Presenter: Tianle ZOU

Tianle ZOU, Xiuxiu HUANG, Qiong FANG

School Of Nursing, Shanghai Jiao Tong University, Shanghai, China

00388 screening of intrinsic capacity impairment in community-dwelling older adults in cameroon: a national cross-sectional study

Presenter: Thierry Roland NJILLE EHAWA

Thierry Roland NJILLE EHAWA¹, Gustave MABIAMA¹, Marie-Josiane NTSAMA ESSOMBA², Christine Fernande NYANGONO BIYEGUE¹, Maturin TABUE-TEGUO³, Isabelle BOURDEL-MARCHASSON⁴

¹ENSET de Douala, University of Douala, Douala, Cameroon; ²Faculty of Medicine and Biomedical Sciences, University of Yaounde 1, Yaounde, Cameroon; ³UMR 5536, CNRS/University of Bordeaux, Bordeaux, France; ⁴Clinical Gerontology Center, University Hospital of Bordeaux, Bordeaux, France

00396 Associations between c-reactive protein, multidimensional frailty, physical frailty and cognitive functioning in hospitalized adults aged 75 years and above

Presenter: Nelle GIJSEN

Luna JANSSEN¹, Nelle GIJSEN¹, Anne-Marie DE COCK^{1,2}, Robbert GOBBENS¹

¹University of Antwerp, Antwerp, Belgium; ²ZAS Middelheim, Antwerp, Belgium

00406 Resting metabolic rate as a metabolic dimension of intrinsic capacity across the life course

Presenter: Manfred MÜLLER

Manfred MÜLLER, Anja BOSY-WESTPHAL

Institute for Human Nutrition, Kiel University, Kiel, Germany

00423 AI-Adaptive Exercise for Healthy Longevity: From Personalization to Adaptation

Presenter: Ma KAITING

Ma KAITING¹, Li JIAZHOU²

¹The Education University Of Hong Kong, Hong Kong; ²The Hong Kong Polytechnic University, Hong Kong

00433 Early warning signs of incident locomotive syndrome: contribution of individual items of the 25-question Geriatric Locomotive Function Scale in a 7-year longitudinal study in Japan

Presenter: Keiko YAMADA

Keiko YAMADA¹, Ryo NAKAGAWA², Takashi OHE³

¹Tokyo Metropolitan University, Tokyo, Japan; ²Chiba University, Chiba, Japan; ³NTT Tokyo Hospital, Tokyo, Japan

00438 Periodontitis exacerbates Alzheimer's disease progression via TNF-α-mediated blood-brain barrier disruption and neuroinflammation

Presenter: Jing-hui LI

Jing-Hui LI¹, Teng-Hong LIAN², Jing LI², Peng GUO², Dong-Mei LUO¹, Lu RONG¹, Zhan LIU¹, Fan ZHANG¹, Yao MENG¹, Wei ZHANG²

¹Department of Neurology, Beijing Tiantan Hospital, Capital Medical University, Beijing, China; ²Center for Cognitive Neurology, Department of Neurology, Beijing Tiantan Hospital, Capital Medical University, Beijing, China

00440 Nutritional status and physical performance in relation to quality of life among older adults with cancer: a Moroccan multicenter study

Presenter: Salma CHBANAT

Salma CHBANAT¹, Raja ARIF¹, Jawad BOUZID¹, Naoufal HIMMOUCHE¹, Fatine HADRYA^{1,2}

¹Hassan First University of Settat, Higher Institute of Health Sciences, Laboratory of Health Sciences and Technologies, Settat, Morocco; ²Laboratory of Biology and Health, Faculty of Science, Ibn Tofail University, Kenitra, Morocco

00442 Multidomain Gains in Intrinsic Capacity Following a Virtual Reality–Based Cognitive–Exercise Intervention in Community-Dwelling Older Adults

Presenter: Hyuntae PARK

Hyuntae PARK, Seongryu BAE, Jiwon YANG, Kai WANG, Chungsik MIN, Jaewon CHOI

Dong_A University, Busan, South Korea

00474 Self-perceived mobility and objective locomotion performance in midlife: Exploring associations across locomotion domains

Presenter: Shmuel SPRINGER

Tirtsa NAAMAN¹, Abigail GOSHEN², Shmuel SPRINGER¹

¹Ariel University, Ariel, Israel; ²Sheba Medical Center, Ramat Gan, Israel

00488 Cross-sectional and prospective associations of SPPB total and component scores with cognitive function in the China-Aging community cohort

Presenter: Xiaoxia WEI

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00502 Intra-individual trajectories of intrinsic capacity and structural brain changes: A Mundlak mixed-effects analysis of the NELS-LSA cohort

Presenter: Shu ZHANG

Shu ZHANG¹, Yukiko NISHITA¹, Hiroshi SHIMOKATA², Chikako TANGE¹, Rei OTSUKA¹

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00506 Multidimensional vitality as a domain of intrinsic capacity: comparison with nutrition-based measures across physiological and functional outcomes in older adults

Presenter: Justin CHEW

Justin CHEW^{1,2}, Jia Qian CHIA^{1,2}, Jp LIM^{1,2}, Cai Ning TAN¹, Wee Shiong LIM^{1,2}

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00519 5-Hydroxymethylcytosine (5hmC) Signature as a Novel Biomarker for the Early Diagnosis and Staging of Alzheimer's Disease

Presenter: Lian TENGHONG

Lian TENGHONG¹, Chen HANGYU², Li XUEHUI², Li JING¹, Zhang LEI², Guo PENG¹, Chen XIANGLONG³, Zheng ZIJING⁴, Li XIAXUAN⁵, Li JINGHUI⁴, Chen LONG², Luo DONGMEI⁴, Lin JIAN², Zhang WEI¹

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00546 Near-centenarians in home care: can intrinsic and environmental resources last a century? An age-group comparison approach

Presenter: Fanny VALLET

Fanny VALLET, Eleni-Marina ASHIKALI, Catherine BUSNEL, Emilia FRANGOS

IMAD - Institution genevoise de maintien à domicile, Genève, Switzerland

00549 Longitudinal associations between reduced appetite and intrinsic capacity in older adults

Presenter: Annelie TURESSON

Annelie TURESSON¹, Philippe DE SOUTO BARRETO², Margaretha NYDAHL¹, Ingrid EKSTRÖM³, Afsaneh KOOCHKEK¹

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00578 Mental Health and Subjective Cognitive Decline by Sexual Orientation Among Adults Aged 45 Years and Older: A Repeated Cross-Sectional Analysis

Presenter: Yuhan XU

Yuhan XU, Sijia LI, Alex Siu Wing CHAN

Department of Social Work, Hong Kong Baptist University, Hong Kong

00600 Number of pain sites as a longitudinal pathway linking systemic inflammation to intrinsic capacity in older adults

Presenter: Muhammad THALIL

Muhammad THALIL

The Pennsylvania State University, University Park, USA

00619 Epidemiological Status of Intrinsic Capacity Impairment and Construction of Risk Discrimination Model Among Community-Dwelling Older Adults

Presenter: Jiaxiu ZHAO

Jiaxiu ZHAO¹, Xueying JI¹, Yiqin HUANG¹, Chen JIE², Jiaofeng WANG², Zhijun BAO²

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00633 Trajectory Analysis of Intrinsic Capacity Impairment and Frailty Among Community-Dwelling Older Adults

Presenter: Jiaxiu ZHAO

Jiaxiu ZHAO, Yiqin HUANG, Xueying JI

Department of General Practice, Huadong Hospital, Shanghai Medical College, Fudan University, Shanghai, China

00658 Joint trajectories of depressive symptoms and life dissatisfaction in China: Associations with multimorbidity, functional limitations, and cognitive function

Presenter: Sijia LI

Sijia LI, Yuhan XU, Alex Siu Wing CHAN

Hong Kong Baptist University, Hong Kong

00662 When vulnerability accumulates: multidimensional deficit burden in older adults with proximal femur fracture

Presenter: Belinda TROBEC

Belinda TROBEC¹, Gianluca CANTON², Emma SPEDICATO², Luigi MURENA²

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00685 Associations of Growth Differentiation Factor 15 with Intrinsic Capacity and Its Domains: A Scoping Review of Human Evidence

Presenter: Shuli LIAN

Shuli LIAN, Bruno VELLAS, Yves ROLLAND, Philippe DE SOUTO BARRETO

IHU HealthAge, Institut du Vieillissement, G rontop le de Toulouse, Centre Hospitalo-Universitaire de Toulouse, Toulouse, France

00734 Muscle–Bone Crosstalk and Intrinsic Capacity in Aging: The Impact of Sarcopenia, Osteoporosis, and Osteosarcopenia

Presenter: Ricardo GUERRA

Ricardo GUERRA¹, Nailton NETO¹, Gustavo DUQUE²

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00754 How intrinsic capacity studies report sex and gender: a pilot audit

Presenter: Ana VIEGAS

Ana VIEGAS¹, Joana GONÇALVES², Diana PEREIRA COSTA³, Sofia FONSECA MONTEIRO⁴, Carolina NOBRE⁵, Renata ARANTES SOUSA⁶, Filipa PIMENTA⁷, Cátia SILVA⁸, Ana VERÍSSIMO⁹, Marta CARDOSO¹⁰, Catarina MESTRINHO¹¹, Andreia EIRAS¹²

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00762 Major domains of intrinsic capacity are put to test in randomized and controlled trial (RCT) by XPRIZE Healthspan Competition Finalists for improving human healthspan: Johns Hopkins-Suninfram team as an example

Presenter: Sean LENG

Sean LENG¹, Trudymae AGBOKA¹, Albenia PATRONEVA², Dongxu SUN³

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00790 Intrinsic capacity, longevity and functional status: Trajectories between age 70-100

Presenter: Jeremy M JACOBS

Jeremy M JACOBS^{1,2}, Aliza ROZENBERG¹, Jochanan STESSMAN^{1,2}, Irit STESSMAN LANDE^{1,2}

¹Jerusalem Institute of Aging Research, Jerusalem, Israel; ²Geriatric Rehabilitation, Faculty of Medicine, Hebrew University of Jerusalem, Hadassah Medical Center, Jerusalem, Israel

00792 Intrinsic Capacity Predicts Physical Resilience and Healthy Longevity: Nationwide Longitudinal Evidence from Canada.

Presenter: Emmanuel GONZALEZ-BAUTISTA

Emmanuel GONZALEZ-BAUTISTA¹, Raman AGNIHOTRAM², Thiago DA SILVA ALEXANDRE³, Ivan BALTASAR- FERNANDEZ⁴, Gustavo DUQUE⁵

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00801 Development and Psychometric Evaluation of the Intrinsic Capacity Assessment for Remote Evaluation–Telephone Version (iCARE-T) in Older Adults

Presenter: Lina MA

Wenhua YU, Yaru ZHOU, Pan LIU, Lina MA

Xuanwu Hospital Capital Medical University, Beijing, China

00816 Intrinsic capacity as a marker of resilience across the frailty spectrum

Presenter: Kim SUNYOUNG

Kim SUNYOUNG^{1,2}, Sison STEPHANIE^{2,3}, Luo LAN², Shi SANDRA M.^{2,4}, Park CHAN MI², Pritchard KEVIN T.², Kim MIJI¹, Won CHANG WON¹, Beard JOHN R.⁵, Fried LINDA P.^{5,6}, Kim DAE HYUN^{2,4}

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00818 Association between loneliness, financial health strain, and intrinsic capacity in community-dwelling older adults

Presenter: Leonardo BENCIVENGA

Leonardo BENCIVENGA¹, Annachiara VASSALLO¹, Pierluigi CARELLI¹, Laura Andreea CEPARANO¹, Giovanni CURCIO¹, Antonio DI MAIO¹, Francesco MANFREDONIA¹, Alessandro ORRERA¹, Giovanni SACCONI¹, Valeria ZANOBBI¹, Klara KOMICI², Graziamaria CORBI¹, Grazia Daniela FEMMINELLA¹, Dario LEOSCO¹, Giuseppe RENGO¹

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00819 Handgrip strength and intrinsic capacity: is it right to only consider the dominant side?

Presenter: Annachiara VASSALLO

Annachiara VASSALLO, Federica ARGENTO, Claudia CANITANO, Antonio CARACCILOLO, Laura Andreea CEPARANO, Giovanni CURCIO, Antonio DI MAIO, Maria Grazia LANDI, Pasquale PEZZELLA, Valeria ZANOBBI, Graziamaria CORBI, Grazia Daniela FEMMINELLA, Dario LEOSCO, Giuseppe RENGO, Leonardo BENCIVENGA

University of Naples "Federico II", Naples, Italy

00820 Intrinsic capacity in Mexican older adults: from dementia risk and social determinants to a biomarker- and AI-informed index

Presenter: Sara AGUILAR-NAVARRO

Miriam LÓPEZ-TEROS, Sara AGUILAR-NAVARRO, Karla ANIMAS-MIJANGOS

Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico city, Mexico

00839 The effects of exercise on intrinsic capacity after hip fracture: A systematic review and meta-analysis

Presenter: Alexandra PAPAIOANNOU

Wayne LOK OK CHOO^{1,2}, Patricia HEWSTON^{2,3}, Ashlee AZIZUDIN^{2,3}, Amanjot SIDHU^{2,3}, Samuel THRALL^{2,3}, Gustavo DUQUE^{1,2}, Alexandra PAPAIOANNOU^{2,3}

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00842 Intrinsic capacity trajectories and structured exercise in older men receiving androgen deprivation therapy for prostate cancer: a 21-month prospective cohort study

Presenter: Giuseppe COLLOCA

Giuseppe COLLOCA¹, Martina PERSIA¹, Riccardo CALVANI², Silvia IALUNGO¹, Landi FRANCESCO¹, Fusco DOMENICO¹

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00862 Self-rated health and measured walking, balance and grip strength in older adults in Luanda, Angola

Presenter: Rita SANTA BARBARA

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00872 Operationalizing Vitality in Intrinsic Capacity: MNA-SF Provides Superior Prediction of Functional Limitation Than BMI in Older Chileans

Presenter: Cecilia ALBALA

Cecilia ALBALA, Rodrigo SAGUEZ, Gerardo FASCE, Jose ARAVENA, Felipe SALECH

Inta, Universidad De Chile, Santiago de Chile, Chile

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00009 Calf matters: anthropometric calf indices and balance disorders in rural older adults of the Peruvian Amazon

Presenter: Fernando RUNZER COLMENARES

Elianna Maricielo CASTRO RIVAS¹, Vallery Alessandra GRANDA LAYNES¹, Kimberly Ayumi HIGA NAVARRO¹, Jose F. PARODI², Camacho KIARA², Fernando RUNZER COLMENARES¹

¹Universidad Científica Del Sur, Lima, Peru; ²Universidad De San Martin De Porres, Lima, Peru

00011 Aureobasidium pullulans-derived β -glucan plus monitored exercise for improving knee muscle strength in adults with possible sarcopenia

Presenter: Lee SANG YEOUP

Lee SANG YEOUP¹, Lee YE LI²

¹Pusan National University And Pusan National University Yangsan Hospital, Yangsan, South Korea; ²Integrated Research Institute For Natural Ingredients And Functional Foods, Yangsan, South Korea

00018 Multidimensional Biomarkers Algorithm for Sarcopenia Risk Stratification in Older Adults: A Hybrid Machine Learning Analysis

Presenter: Wen-Hsuan HOU

Wen-Hsuan HOU¹, Mu-Jean CHEN², Der-Sheng HAN³

¹Taipei Medical University, Taipei, Taiwan; ²National Institute Of Environmental Health Sciences, National Health Research, Miaoli, Taiwan; ³National Taiwan University Hospital And National Taiwan University College Of Medicine, Taipei, Taiwan

00023 Prevalence of Probable Respiratory Sarcopenia and comparison of cardiovascular fitness in community-dwelling older adults

Presenter: Kornanong YUENYONGCHAIWAT

Kornanong YUENYONGCHAIWAT

Thammasat University, Pathumthani, Thailand

00025 Chrononutrition Behaviors and Muscle Health in Middle-Aged and Older Adults: Evidence from NHANES 2011-2018 and KNHANES 2022-2024

Presenter: Jia-Wen LI

Jia-Wen LI¹, Yue GAO², Min-Min QIU³, Wei GAO¹

¹Department Of Geriatrics, Zhongda Hospital, School Of Medicine, Southeast University, Nanjing, China; ²Department Of Cardiology, Affiliated Hospital Of Nantong University, Nantong, China; ³Shanghai Mingrui Biotech Company, Shanghai, China

00027 Circulating Tsukushi predicts incident sarcopenia and functional decline in older adults: a prospective cohort study

Presenter: Jia-Wen LI

Jia-Wen LI¹, Min-Min QIU², Yue GAO³, Wei GAO¹

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00032 Effective muscle index integrating muscle mass and quality predicts renal outcomes beyond conventional sarcopenia diagnosis in patients with chronic kidney disease

Presenter: Yukari MAE

Yukari MAE, Tomoaki TAKATA, Hajime ISOMOTO

Division Of Gastroenterology And Nephrology, Faculty Of Medicine, Tottori University, Yonago, Japan

00036 The prognostic value of pre-treatment sarcopenia in overall survival in head and neck cancer patients: a systematic review

Presenter: Anxhela SYZIU

Anxhela SYZIU

University Of Liverpool, Liverpool, UK

00056 Association of malnutrition with sarcopenia measures, GDF-15, and essential amino acids in outpatients with heart failure

Presenter: Konstantinos PROKOPIDIS

Konstantinos PROKOPIDIS¹, Beyza Gulsah ALTINPINAR², Adam BURKE³, Sima Jalali FARAHANI⁴, Omid KHAIYAT⁴, Gregory Y.H. LIP⁵, Vanja PEKOVIC-VAUGHAN¹, Rajiv SANKARANARAYANAN⁶, Howbeer MUHAMADALI³, Masoud ISANEJAD¹

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00058 Do different validated bioelectrical impedance equations agree on the diagnosis of low muscle mass and sarcopenia in older adults?

Presenter: Paloma BONI DE LIMA

Paloma BONI DE LIMA¹, Rita CRISTINE BARBOSA PATRÍCIO¹, Yandra CÂNDICA NOBRE LIMA¹, Fabiene APARECIDA ROCHA MOREIRA², Regina DE SOUSA BARROS², Patrícia AZEVEDO GARCIA¹

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00061 Associations of physical activity with different components of sarcopenia among Korean middle-aged and older adults: an analysis based on the Asian Working Group for Sarcopenia 2025 Criteria

Presenter: Youn HUH

Youn HUH¹, Ki Young SON²

¹Seoul St. Mary's Hospital, Seoul, South Korea; ²Asan Medical Cent, Seoul, South Korea

00069 Deep learning analysis of left ventricular myocardium on chest CT for mortality prediction in sepsis

Presenter: Lin FU

Lin FU, Xingui PENG

Zhongda Hospital, Southeast University, Nanjing, China

00077 Prevalence of sarcopenia and its associated factors among hospitalized older adults with urinary incontinence

Presenter: Shaoting CHANG

Shaoting CHANG¹, Shu-Chun LEE²

¹Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan; ²Taipei Medical University, Taipei, Taiwan

00086 Diagnostic accuracy of blood-based biological markers for sarcopenia-related traits: a UK Biobank validation study

Presenter: Abigail BURTON

Abigail BURTON^{1,2}, Safoora GHARIBZADEH^{1,3}, Mark FUNNELL^{1,2}, Kamlesh KHUNTI^{1,4}, Wilkinson THOMAS^{1,4}

¹University of Leicester, Leicester, UK; ²NIHR ARC East Midlands, Leicester, UK; ³Leicester Real World Evidence Unit, Leicester, UK; ⁴NIHR BRC Leicester, Leicester, UK

00088 Muscle-related measures as mediators in the association between chronic low-grade inflammation and pulmonary function

Presenter: Ha-Na KIM

Ha-Na KIM, Yuji JEONG, Se-Hong KIM, Sang-Wook SONG

St. Vincent's Hospital, College of Medicine, The Catholic University of Korea, Seoul, South Korea

00092 Etiology-Specific Body Composition Profiles in Patients with Cubital Tunnel Syndrome: A Comparison with Population-Based Controls

Presenter: Hyun Sik GONG

Sung Ha CHUN, Hyun Sik GONG

Seoul National University Bundang Hospital, Seongnam, South Korea

00110 Dapagliflozin-induced sarcopenia in young patients with systemic autoimmune diseases with proteinuria

Presenter: Ervin RAPUSHI

Ervin RAPUSHI, Artur ZOTO, Valbona SALKO, Zenelaj FLORID

UHC "Mother Theresa", Tirana, Albania

00112 Phase angle and appendicular muscle mass as markers of muscle function in a Hong Kong geriatric day hospital

Presenter: Tsz Ching Queenie TSANG

Tsz Ching Queenie TSANG

Hospital Authority of Hong Kong, Hong Kong

00117 Probable sarcopenia in three different populations and settings

Presenter: Mette HOLST

Mette HOLST, Caroline ANDERSEN, Sabina MIKKELSEN

Aalborg University Hospital, Aalborg, Denmark

00119 Sex-stratified associations of circulating myostatin with sarcopenia in metabolic dysfunction-associated steatotic liver disease: clinical findings and bioinformatic insights

Presenter: Nibedita PRIYADARSINI

Nibedita PRIYADARSINI, Manas PANIGRAHI, Sunil PRUSTY, Anand SRINIVASAN, Suchitra KUMARI, Kishore BEHERA

All India Institute of Medical Sciences, Bhubaneswar, India

00121 Sarcopenia and Cognitive Aging Across Diverse Regions: Observational and Mendelian Randomization Evidence

Presenter: Simu HUANG

Simu HUANG, Yuding WEI, Chihua LI

University of Macau, Macao, China

00128 Age-specific handgrip thresholds and reclassification of possible sarcopenia under AWGS 2025

Presenter: Mingfei ZHOU

Mingfei ZHOU¹, Liyun JIANG¹, Xiaoliang YANG², Xiaohan XU³

¹Nanjing Xiaohang Hospital, Nanjing, China; ²Nanjing Audit University Jinshen College, Nanjing, China; ³Liverpool School of Tropical Medicine, Liverpool, UK

00132 Prevalence of sarcopenic obesity in adult patients (age 40 - 64 years) with obesity.

Presenter: Gaurav GUPTA

Gaurav GUPTA, Lalit KUMAVAT

AIIMS Jammu, Jammu, India

00142 Sarcopenic visceral obesity is associated with lower cognitive performance in type 2 diabetes

Presenter: Kiat Sern GOH

Kiat Sern GOH¹, Kiat Mun Serena LOW²

¹Changi General Hospital, Singapore; ²Khoo Teck Puat Hospital, Singapore

00145 Association of muscle function parameters with left ventricular mass among older adults: a cross-sectional study in two hospitals in Cameroon

Presenter: Marie-Josiane NTSAMA ESSOMBA

Mikal Ange MAKOUPO SA'AH¹, Marie-Josiane NTSAMA ESSOMBA¹, Liliane KUATE MFEUKEU¹, Maturin TABUE TEGUO², François KAZE FOLEACK¹

¹University of Yaounde I, Yaounde, Cameroon; ²French West Indies University, Pointe-à-Pitre, Guadeloupe

00152 Safety and Efficacy of Whole-Body Electromyostimulation (WB-EMS) in Older Age: A Comparison with Younger Adults

Presenter: Robert KOB

Robert KOB¹, Jörg BLÖCKL², Wolfgang KEMMLER², Thomas BERTSCH³, Daniel SCHÖNE⁴

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00159 Ultrasound Phenotyping of Sarcopenia: Differential Associations with Muscle Mass, Strength and Physical Performance

Presenter: Jia Qian CHIA

Jia Qian CHIA^{1,2}, Justin CHEW^{1,2}, Cai Ning TAN², Shino LIM², Wee Shiong LIM^{1,2}

¹Tan Tock Seng Hospital, Singapore; ²Institute of Geriatrics and Active Ageing, Singapore

00165 Prognostic Value of Preoperative CT-Derived Perirenal Adipose Tissue and L3 Body Composition in Nonmetastatic Clear Cell Renal Cell Carcinoma

Presenter: Cui YING

Cui YING, Zhu YINSU

Affiliated Cancer Hospital of Nanjing Medical University, Nanjing, China

00180 Influence of daily physical activity behavior on physical adaptation variability following a 12-week power training in older men

Presenter: Layale YOUSSEF

Layale YOUSSEF¹, Haroun EL-OUESLATI¹, Justine PERSOUYRE², Charlotte PION², Paula LAGO³, Marc BÉLANGER¹, Mylène AUBERTIN-LEHEUDRE¹

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00184 Handgrip performance as a predictor of incident cognitive decline in older adults: A systematic review and meta-analysis

Presenter: Muhammad YOUNIS

Muhammad YOUNIS

Vrije Universiteit Brussel, Brussel, Belgium

00194 To assess muscle strength among pre-menopausal, peri-menopausal and post-menopausal women in Urban Bangalore

Presenter: Nanda KUMAR

Nanda KUMAR¹, Ruth BOYLE¹, Pramila KARLA², Vinay PRABHU³

¹Ramaiah College of Physiotherapy, Bangalore, India; ²Ramaiah Medical College, Department of Endocrinology, Bangalore, India; ³Ramaiah Medical College, Department of Radiology, Bangalore, India

00225 skeletal muscle and fat distribution and physical function in sarcopenic obesity among rural older adults

Presenter: Yu HU

Yu HU

Beijing, China

00230 Prevalence of Sarcopenic Obesity and Associations with Circulating Myokines Among People with HIV

Presenter: Jordan LAKE

Paula DEBROY MONZON¹, Laura SMEATON², John KOETHE³, Roy GULICK⁴, Kristine ERLANDSON⁵, Jordan LAKE¹

¹University of Texas Health Science Center, Houston, USA; ²Harvard T.H.Chan School of Public Health, Boston, USA; ³Vanderbilt University, Nashville, USA; ⁴Cornell University, New York City, USA; ⁵University of Colorado Anschutz Medical Center, Aurora, USA

00246 What does a negative sarcopenic obesity screen miss? Objective muscle impairment in community and nursing-home settings

Presenter: Rongna LIAN

Rongna LIAN¹, Jing REN², Lingling XIE¹, Wenhua JIANG³, Wenqin HUANG¹, Meiqi ZHANG¹, Qian CHEN¹, Ming YANG¹

¹Center of Gerontology and Geriatrics, West China Hospital, Sichuan University, Chengdu, China; ²International Medical Center, West China Hospital, Sichuan University, Chengdu, China; ³West China Fourth Hospital, Sichuan University, Chengdu, China

00251 Prevalence of sarcopenia among kidney transplant candidates in Singapore: Preliminary findings from a transplant clinic screening programme

Presenter: Shyan Ni SIM

Shyan Ni SIM, Zi Yun CHANG

National University Hospital, Singapore

00256 Longitudinal changes in walking speed following hospitalisation for an exacerbation of COPD

Presenter: Iram QURESHI

Iram QURESHI, Cara FLYNN, Omer ELNEIMA, Hamish MCAULEY, Christopher BRIGHTLING, George MILLS, Greening NEIL

Division of Respiratory Sciences, School of Medical Sciences, University of Leicester, Leicester, UK

00258 Force expression during the five-repetition sit-to-stand test in COPD and relationship with lower-limb lean mass

Presenter: George MILLS

George MILLS, Iram QURESHI, Lorna LATIMER, Hamish J.C. MCAULEY, Neil J. GREENING

NIHR Leicester Biomedical Research Centre – Respiratory and Infection Theme, Leicester, UK

00262 MF-300 in age-related sarcopenia: a Phase 2b design evaluating physical function, muscle strength and patient-reported outcomes

Presenter: Roger FIELDING

Roger FIELDING¹, Lois LEE², Leigh MACCONELL², Alex CASDIN², Amrik SHAH³, David CELLA⁴, Jack GURALNIK⁵, Jose GARCIA⁶

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00263 Blood biomarkers of the 15-PGDH inhibitor MF-300 reveal coordinated target engagement and restoration of prostaglandin signaling in a Phase 1a clinical study

Presenter: Andrew HO

Andrew HO¹, Jerome FEIGE², Alex CASDIN³, Leigh MACCONELL³

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00268 Prognostic value of nutritional and muscle health parameters in patients with head and neck cancer undergoing radiotherapy

Presenter: Renata MARTUCCI

Mariana BARBOSA¹, Hadria FURTADO², Nilian SOUZA³, Renata MARTUCCI⁴

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00269 Association of Psoas Muscle Area with Early Ambulation After Hip Hemiarthroplasty for Femoral Neck Fracture in the Elderly: A Pilot Study

Presenter: Chaitanya GUPTA

Chaitanya GUPTA, Sahil BATRA

All India Institute of Medical Sciences, New Delhi, India

00280 Menopause Type and Physical Performance in older women: The Moderating Role of Recreational Physical Activity

Presenter: Mylene AUBERTIN-LEHEUDRE

Mylene AUBERTIN-LEHEUDRE

UQAM-CRIUGM, Montreal, Canada

00282 Relationships of Handgrip and Leg Strength with Bedside Portable Ultrasound Measures of Quadriceps Muscle Mass in Older Adults Hospitalized for Sepsis

Presenter: James ANDREWS

Hazel HAJARIWALA¹, Ayah ELTOUM², Laura GOLD³, Andrew HUYNH^{4,5}, Paul YATES^{4,5}, James ANDREWS^{1,6}

¹University of Alabama at Birmingham, Birmingham, USA; ²University of Nevada at Las Vegas, Las Vegas, USA; ³University of Washington, Seattle, USA; ⁴Austin Health, Melbourne, Australia; ⁵University of Melbourne, Melbourne, Australia; ⁶Birmingham VA Healthcare System, Birmingham, USA

00291 A hydrogel drug delivery system combined with BAIBA and bioactive glass to improve muscle function in aged mice

Presenter: Ronald Man Yeung WONG

Tao HUANG¹, Guozhu CHANG², Hei Yuet WONG¹, Pui Yan WONG¹, Chaoran LIU¹, Baoqi LI¹, Wing Hoi CHEUNG¹, Hon Fai CHAN¹, Ronald Man Yeung WONG¹

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00317 Sarcopenia in Older Adults in Primary Care: Prevalence and Association with Sex and Educational Level

Presenter: Elena SURDULEASA

Elena SURDULEASA, Florentina BEALCU, Magdalena Biaca TONE, Alexandru Gabriel STREINU, Minerva Claudia GHINESCU

Titu Maiorescu University, Medicine Faculty, Bucharest, Romania

00321 “Burn & Build” Programme: Combating Functional Decline and Sarcopenia in Frail Older Adults in Post-Acute Care

Presenter: Khin Khin WIN

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00322 Muscle Health Across the Surgical Journey: From Risk Stratification to Prehabilitation and Outcomes

Presenter: Kai Yun TAN

Kai Yun TAN¹, Wei Zhang Ernest POON¹, Harini MANIVANNAN²

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00334 Gene expression signatures as biomarkers of sarcopenia

Presenter: Louis John KOIZIA

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00337 Gene expression signatures as biomarkers of sarcopenia

Presenter: Benjamin Howell Lole HARRIS

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00348 Reduced skeletal muscle ERK1/2 phosphorylation and altered peripheral immune cell signalling in desminopathy with implications for muscle ageing

Presenter: Germán TAPIA-CURIMIL

Germán TAPIA-CURIMIL¹, Louise DELDICQUE², Mayalen VALERO-BRETON³, Jorge BEVILACQUA⁴, Aldo GHISONI⁴

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00350 Sex-Stratified Associations Of Sarcopenia And Adiposity With Survival Outcomes In Non-Metastatic Renal Cell Carcinoma

Presenter: Viraj A. MASTER

Gloria FUNG, Raining HUO, Baris ESEN, Reza LAHIJI, Adlai NELSON, Leane KUO, Seohyun KIM, Caileen MAKANI, Pooja HEMIGE, Dattatraya PATIL, Kenneth OGAN, Viraj A. MASTER

Department of Urology, Emory University School of Medicine, Atlanta, USA

00355 Blood flow-restricted aerobic exercise combined with upper-limb resistance training on sarcopenia-related outcomes and postural control in older people: a randomized clinical trial.

Presenter: Elisa LIBARDI

Elisa LIBARDI¹, Paulo OLIVEIRA¹, Letícia FERREIRA¹, Gabriela OCHIAI¹, Beatriz FREDERICO¹, Juliana SANTOS¹, Ana Cláudia SOUZA¹, Fernanda OH¹, Lucas MOURA¹, Gabrielle EUGÊNIO¹, Izadora VALENTIM¹, Sumika LIN², Eduardo FERRIOLI², Gilberto LAURENTINO³, José Eduardo POMPEU³

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00357 Effects of Aerobic Training with Blood Flow Restriction on Pain in Older Adults with Sarcopenia: A Randomized Clinical Trial

Presenter: Elisa LIBARDI

Juliana SANTOS¹, Elisa LIBARDI¹, Paulo OLIVEIRA¹, Letícia FERREIRA¹, Gabriela OCHIAI¹, Beatriz FREDERICO¹, Ana Cláudia SOUZA¹, Fernanda OH¹, Lucas MOURA¹, Gabrielle EUGÊNIO¹, Izadora VALENTIM¹, Sumika LIN², Eduardo FERRIOLI², Gilberto LAURENTINO³, José Eduardo POMPEU³

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00371 Sarcopenia phenotypes and non-BIA screening in older adults: a multiregional comparison of ASM/height² and ASM/BMI

Presenter: Wang JIONGNAN

Wang JIONGNAN, Xia BING, Yin SHIYU, Sun GUIJU

Southeast University, Nanjing, China

00378 Ten-year survival outcomes in older adults with and without sarcopenia in a retirement home: a retrospective cohort study

Presenter: Chih-Ming LIN

Chih-Ming LIN¹, Soushan WU²

¹CHANG GUNG MEMORIAL HOSPITAL, Taipei, Taiwan; ²National Taiwan Normal University, Taipei, Taiwan

00384 MyotonPRO-Assessed Upper-Limb Muscle Mechanical Properties and Their Associations with Sarcopenia and Functional Phenotypes in Community-Dwelling Older Adults: A Cross-Sectional Study

Presenter: Wenqin HUANG

W. HUANG

00399 Age-associated redistribution of fat-free mass across skeletal muscle and organs: endocrine and metabolic correlates in 764 healthy adults

Presenter: Anja BOSY-WESTPHAL

Anja BOSY-WESTPHAL, Manfred MÜLLER

Institute for Human Nutrition, Kiel University, Kiel, Germany

00402 Muscle quality rather than lean mass? Associations with physical performance, physical activity and dietary inflammatory potential in older adults

Presenter: Beyza Gulsah ALTINPINAR

Beyza Gulsah ALTINPINAR^{1,2}, Konstantinos PROKOPIDIS³, Sima Jalali FARAHANI⁴, Gregory Y H LIP^{1,2}, Rajiv SANKARANARAYANAN², Omid KHAIYAT⁴, Deirdre A LANE^{1,2}, Masoud ISANEJAD^{2,3}

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00409 Sarcopenia and All-Cause Mortality among Hypertensive Populations: A Five-Cohort Pooled Analysis with Effect Modification by Age and Sex

Presenter: Qitong LIU

Qitong LIU

Institute of Chinese Medical Sciences, University of Macau, Macao, China

00436 Influence of obesity status on functional adaptations to mixed power training in older men

Presenter: Haroun EL-OUESLATI

Haroun EL-OUESLATI¹, Layale YOUSSEF¹, Charlotte PION², Marc BÉLANGER¹, Mylène AUBERTIN-LEHEUDRE¹

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00443 Combined exercise and nutritional interventions for physical function, quality of life and mortality in older adults with cancer: a systematic review

Presenter: Salma CHBANAT

Salma CHBANAT¹, Raja ARIF¹, Jawad BOUZID¹, Naoufal HIMMOUCHE¹, Fatine HADRYA^{1,2}

¹Hassan First University of Settat, Higher Institute of Health Sciences, Laboratory of Health Sciences and Technologies, Settat, Morocco; ²Laboratory of Biology and Health, Faculty of Science, Ibn Tofail University, Kenitra, Morocco

00447 Bone, muscle and skin: are they connected by the age-related changes?

Presenter: Roksolana POVOROZNYUK

Nataliia DZEROVYCH¹, Roksolana POVOROZNYUK²

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00449 Correlation between lower extremity lean mass and electroneuromyographic indices in postmenopausal women

Presenter: Roksolana POVOROZNYUK

Natalia DZEROVYCH¹, Roksolana POVOROZNYUK², Tetiana SHYNKARENKO²

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00461 Uncovering muscle stem cell dysregulation across molecular grades of sarcopenia

Presenter: Wee Leng TAN

Wee Leng TAN¹, Jing Han HONG¹, Peiyong GUAN², Hui San CHIN^{1,3}, Ling LIU^{1,3}, Zexi GUO¹, Pei-Ju LIAO³, Alexandra Louise Rei-Min WEE³, Xiu-Yi KWEK³, Frederick Hong Xiang KOH^{1,3}, Bin Tean TEH^{1,2}

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00465 Combined Assessment of Radiologic Sarcopenia and Handgrip Strength Improves Overall Survival Prediction in Older Patients with Localized Renal Cell Carcinoma

Presenter: Viraj M. MASTER

Baris ESEN, Gloria FUNG, Dattatraya PATIL, Seohyun KIM, Reza LAHIJI, Lorenzo Storino RAMACCIOTTI, Charan KOLTUR, Mohammad HAJIHA, Valentina GRAJALES, Shreyas S. JOSHI, Vikram M. NARAYAN, Mehmet Asim BILEN, Kenneth OGAN, Viraj M. MASTER

Emory University School of Medicine, Atlanta, USA

00526 Western dietary pattern is associated with lower appendicular muscle mass in older adults on the Mexico-U.S. border: evidence from principal component and cluster analyses

Presenter: Roxana RUIZ VALENZUELA

Roxana RUIZ VALENZUELA¹, Esther MOLINA MONTES², Reyes MARTIN LAGOS²

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00532 From Population to Pathway: Decoding and Reversing Sarcopenia

Presenter: Jing Han HONG

Pei-Ju LIAO¹, Hui San CHIN¹, Jing Han HONG², Frederick KOH¹

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00543 Aging-associated disruption of the muscle-to-tumor communication axis promotes tumorigenesis

Presenter: Hong-Wen TANG

Hong-Wen TANG

Duke-NUS Medical School, Singapore

00558 Automated thoracic CT for opportunistic case-finding of low muscle mass in two UK respiratory cohorts

Presenter: Paul O'RIORDAN

Paul O'RIORDAN¹, Novotny PETR¹, Ntotsis KIMON¹, Daynes ENYA¹, Evans RACHAEL^{1,2}, Brightling CHRIS^{1,2}, Greening NEIL^{1,2}, Mcauley HAMISH^{1,2}

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00563 Chest wall respiratory muscle phenotypes during invasive mechanical ventilation: a longitudinal computed tomography study

Presenter: Xinyi CHEN

Xinyi CHEN, Xin-Gui PENG

Zhongda Hospital, School Of Medicine, Southeast University, Nanjing, China

00568 Beyond muscle mass: associations of bioimpedance-derived body composition with muscle strength and physical performance in institutionalized older adults – a pilot study from Croatia

Presenter: Ana MOJSOVIĆ ČUIĆ

Tatjana NJEGOVAN ZVONAREVIĆ¹, Edina PULIĆ¹, Irena MARTINIŠ², Ivna KOCIJAN¹, Mirjana TELEBUH¹, Ivan JURAK¹, Lana FEHER TURKOVIĆ¹, Miljenko FRANIĆ¹, Ana MOJSOVIĆ ČUIĆ¹

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00573 One algorithm, two strength tests: discordant classification of low muscle strength in very old care-home residents

Presenter: Edina PULIĆ

Edina PULIĆ, Tatjana NJEGOVAN ZVONAREVIĆ, Ivan JURAK, Mirjana TELEBUH, Ivna KOCIJAN, Lana FEHER TURKOVIĆ, Miljenko FRANIĆ, Ana MOJSOVIĆ ČUIĆ

Faculty Of Health Studies, University of Zagreb, Zagreb, Croatia

00577 Sarcopenia in Midlife Adults and Relation to Domains of Intrinsic Capacity

Presenter: Rebecca TENG

Rebecca TENG¹, Yee Sien NG^{2,3}, Ee Ling TAY⁴, Shi Min MAH⁴, Jin Jin LIM⁵, Min Xian WANG⁵, Gary KWOK⁵, Laura TAY^{1,3}

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00583 Functional sarcopenia with preserved muscle mass carries fall, disability, and cognitive burden missed by AWGS 2019 and 2025 criteria

Presenter: Lee JUNG WOO

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00589 Sarcopenia at first admission predicts persistent moderate-to-severe functional dependence across repeated hospitalizations: a longitudinal analysis

Presenter: Donato MARTELLA

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00591 Association of sarcopenia with survival, hospitalization, functional capacity, and physical performance in patients with lung cancer: a systematic review and meta-analysis

Presenter: Marlus KARSTEN

Jhonata De Marco VIEIRA¹, Gustavo Dos Santos RIBEIRO², Taina De Souza LOPES¹, Lucas Santos Da SILVEIRA¹, Licelli Amante CARDOSO¹, Darlan Laurício MATTE¹, Marlus KARSTEN¹

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00599 NAD⁺ precursor treatment restores NAD⁺ levels and identifies a role for SNED1 in human myotubes from older adults

Presenter: Maisha CHAUDHARY

Maisha CHAUDHARY^{1,2}, Hanan SHARKH^{1,2}, Leo WESTBURY³, Elaine DENNISON³, Nicholas HARVEY^{3,4}, Harnish PATEL^{3,4}, Keith GODFREY^{3,5}, Mark BURTON^{4,5}, Emma GARRATT^{4,5}

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00616 Respiratory Dysfunction Beyond Sarcopenia: Adiposity as a Potential Phenotype of Respiratory Muscle Impairment in Middle-Aged and Older Women

Presenter: Álvaro MACIEL

Álvaro MACIEL¹, Sabrina MACEDO¹, Paulo BARBOSA², Eujessika RODRIGUES², Edgar VIEIRA³, Fernanda CIVITELLA³, Pedro MACEDO¹, Daiara XAVIER⁴, Armêla ANDRADE⁴

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00621 From Recovery to Prevention: A Systems-Level Continuum of Sarcopenia Care Across Healthcare and Community Settings

Presenter: Noorhazlina BINTE ALI

Noorhazlina BINTE ALI, Hui Jie Grace CHIA, Zihui Daphne YANG

Tan Tock Seng Hospital, Singapore

00629 Revisiting the association between sit-to-stand performance and muscle mass in middle-aged and older adults: role of body weight

Presenter: Yong Hao PUA

Yong Hao PUA¹, Ross Allan CLARK², Laura TAY³

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00641 Research progress on the pathogenesis between Alzheimer's disease and sarcopenia

Presenter: Meng YAO

Meng YAO, Zhang WEI

Beijing Tiantan Hospital, Beijing, China

00678 Multiple social determinants of health and their combined impact on sarcopenia: Evidence from NHANES 2003–2018 data

Presenter: Ruixuan LI

Ruixuan LI¹, Jiajie GUO², Xiaorong YE³, Lufang HUANG⁴, Zhuoyi JI¹, Yujie YANG¹

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00683 Changes in physical performance following passive isokinetic cycling combined with electrical muscle stimulation in older nursing home residents

Presenter: Masato TOKUI

Masato TOKUI¹, Takumi SIMIZU¹, Kazuyuki OGISO²

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00690 Omega-3 fatty acid supplementation after major osteoporotic fractures: a systematic review of randomized controlled trials

Presenter: Lisa PEETERS

Lisa PEETERS¹, Lucia TEJERA VICENTE¹, Kelu YANG², Jolan DUPONT¹, Evelien GIELEN¹

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00697 Natural Aging Reveals a Functional Transition and Differential Nutritional Responsiveness in Sarcopenia

Presenter: Siyang TU

Siyang TU, Shan XU, Hao XIAO, Wang SHAOKANG, Sun GUIJU

Southeast University, Nanjing, China

00701 Bimagrumab increases muscle mass and myofiber size but does not improve muscle function in a translational mouse model of muscle-atrophy

Presenter: Maarten STEINZ

Maarten STEINZ¹, Jelle DE JONG², Joline ATTEMA¹, Jaap KEIJER³, Arie NIEUWENHUIZEN³, Lucien HARTHOORN⁴, Georgina DODD⁴, Anita VAN DEN HOEK¹

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00720 Height- and BMI-adjusted muscle mass identify different groups with sarcopenia under AWGS 2025: associations with intrinsic capacity

Presenter: Yushan ZHANG

Yushan ZHANG, Ji SHEN, Chi ZHANG, Hong SHI

Beijing Hospital, National Center for Gerontology, Beijing, China

00740 Body composition in women with osteoporosis and knee osteoarthritis

Presenter: Nataliia GRYGORIEVA

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00741 Sarcopenic obesity in geriatric patients: dissociation of absolute and relative muscle strength as a latent indicator of functional impairment and the role of cardiopulmonary exercise testing

Presenter: Mariia AREFEVA

Mariia AREFEVA¹, Elena KOLESNIKOVA^{1,2}, Ksenia ERUSLANOVA¹, Nadezhda RUNIKHINA¹, Olga TKACHEVA¹, Grigory ARUTYUNOV²

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00748 Inflammatory indicators in patients with cardiovascular disease and sarcopenia

Presenter: Malgorzata KUPISZ-URBANSKA

Malgorzata KUPISZ-URBANSKA, Wierucka BARBARA, Gasinski JAN, Jankowski PIOTR

Centre of Postgraduate Medical Education, Warsaw, Poland

00770 The perceptions, knowledge, and attitudes of a culturally diverse population towards sarcopenia screening in older adults: a qualitative study

Presenter: Oluwakemi ODUFUWA

Oluwakemi ODUFUWA, Iva TSOICHEVA, Onyinye EZEOKOLI, Gurch RANDHAWA, David HEWSON

Institute of Health and Wellbeing Research, University of Bedfordshire, Luton, UK

00772 One-Year Changes in Physical Function and Calf Circumference in Patients Undergoing Hemodialysis: The SARC-HD Cohort Study

Presenter: Marvery DUARTE

Marvery DUARTE¹, Otávio NÓBREGA², Maryanne SILVA³, Henrique DISESSA⁴, Jéssica ROURE², Dário MONDINI¹, Fábio VIEIRA², Ana PFARRIUS¹, Pâmela SILVA², Beatriz LEONARDE¹, Angélica ADAMOLI⁵, Daiana BÜNDCHEN⁶, Marco UCHIDA¹, Maycon REBOREDO⁷, Heitor RIBEIRO²

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00807 Increased tau protein in aging skeletal muscle fibers acts through tubulin detyrosination to drive dynapenia.

Presenter: Kaylie PINTO

Kaylie PINTO, Jeanine URSITTI, Guoli SHI, Christopher WARD

University of Maryland Baltimore, Baltimore, USA

00810 Sarcopenia, vitamin D and Mediterranean diet adherence in older adults across three Chilean cities.

Presenter: Bárbara ANGEL

Bárbara ANGEL¹, Paola ARAVENA², Sigrid SANZANA³, Javiera SOTO¹, Magdalena MORALES¹, Amira DÍAZ¹

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00823 What SARC-F misses: probable sarcopenia in older adults with cancer

Presenter: Stefania PERUZZO

Stefania PERUZZO, Silvia OTTAVIANI, Luca TAGLIAFICO, Alessio NENCIONI, Fiammetta MONACELLI

Department of Internal Medicine and Medical Specialties - DIMI, University of Genoa, Genova, Italy

00830 Myosteatorsis and muscle density as markers of mortality and inadequate treatment response in older adults with Diffuse Large B-Cell Lymphoma (DLBCL)

Presenter: Andy Kin On WONG

Andy Kin On WONG¹, Michael MACNEILL², Jodi CHIU², Mujtaba BASHARAT², Chai Wye PHUA², Joy MANGEL²

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00860 Muscle Strength Asymmetry Between Limbs With and Without an Arteriovenous Fistula and Associated Factors in Patients Undergoing Hemodialysis

Presenter: Jéssica ROURE

Jéssica ROURE¹, Marvery DUARTE², Maryanne SILVA³, Fabio VIEIRA⁴, Dario MONDINI⁵, Henrique DISESSA⁵, Rodrigo KRUG⁶, Bruna SANT'HELENA⁶, Daiana BUNDCHEN⁷, Maristela BOHLKE⁷, Angélica ADAMOLI⁷, Antônio INDA FILHO⁸, Maycon REBOREDO⁹, Heitor RIBEIRO¹⁰

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00882 Psoas muscle density (PMD) is a more effective marker of colorectal surgical outcomes than psoas muscle area (PMA) or index (PMI)

Presenter: Louis SCARROLD

Louis SCARROLD, Douglas STUPART, David WATTERS

Deakin University, Australia

00884 Ultrasound-assessed rectus femoris thickness and handgrip strength in older adults: a cross-sectional study

Presenter: Alvaro M. ÑAÑA-CORDOVA

Alvaro M. ÑAÑA-CORDOVA¹, Fernando M. RUNZER-COLMENARES¹, Ian FALVY-BOCKOS², Andrea MERINO-TABOADA³, Jose F. PARODI²

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