

12th International Symposium of Geriatrics and Gerontology

Theme: Frailty and dementia~From its pathogenesis to prevention and treatment~

Opening remark 9:30

Kenji Toba, President of NCGG

Session 1. Pathogenesis of frailty and sarcopenia 9:35~11:50

Moderators: Katsuhiko Yanagisawa, Mitsuo Maruyama

1. Perspective of frailty research in the 21st century

Hidenori Arai (15 min)

NCGG, Deputy Director

2. Age-Related Physical Frailty and its Complex, Multi-systemic Biological Basis

Jeremy D. Walston (35 min)

Co-Director, Biology of Healthy Aging Program, Division of Geriatric Medicine and Gerontology, Professor of Medicine, Johns Hopkins University

3. Molecular mechanism of muscle atrophy in sarcopenia

Shin-ichi Takeda (25 min)

National Center of Neurology and Psychiatry, Research Institute, Director

4. Biology of skeletal muscle aging and application for drug development

Ki-Sun Kwon (35 min)

Korea Research Institute of Bioscience and Biotechnology

5. Role of Akt in skeletal muscle in the protection of sarcopenia and aging

Kohjiro Ueki (25 min)

National Center for Global Health and Medicine

Luncheon Seminar 12:00~12:50

Moderator: Yukihiro Washimi

Randomized controlled trial to prevent frailty/sarcopenia & cognitive decline-TOyota

Preventive Intervention for Cognitive decline and Sarcopenia (TOPICS)

Masafumi Kuzuya

Department of Geriatric Medicine, Nagoya University School of Medicine

Session 2. Epidemiological approach for frailty and cognitive impairment 13:00~14:50

Moderators: Hidenori Arai, Shosuke Satake

1. Strengths and weaknesses in the choice of a mono- versus multidimensional approach to frailty  
Matteo Cesari (35 min)  
Centre Hospitalier Universitaire de Toulouse
2. Short and long-term effects of a multifactorial intervention for pre-frail and frail elderly on their functional health: a randomized, controlled, crossover trial within a cohort study  
Shoji Shinkai (25 min)  
Tokyo Metropolitan Institute of Gerontology, Deputy Director
3. Challenge and impact of Korean Frailty and Aging Cohort Study (KFACS) on frailty and cognitive impairment research  
Chang - Won Won (30 min)  
Department of Family Medicine, Kyung Hee University, Professor
4. Cognitive Frailty and Incidence of Dementia in Older Persons  
Hiroyuki Shimada (20 min)  
NCGG, CGSS, Department Head

Session 3 Clinical applications of frailty and dementia 15:00~16:45

Moderators: Atsushi Harada, Takashi Sakurai

1. Implementation of Integrated Healthy Aging Clinic to investigate frailty and sarcopenia in the clinical setting  
Yasumoto Matsui (20 min)  
NCGG
2. Frailty, cognitive impairment, and disruption of cerebral white matter network in patients with diabetes mellitus  
Atsushi Araki (25 min)  
Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology
3. Robotic and rehabilitation approach to frailty and dementia  
Izumi Kondo (20 min)  
NCGG
4. What factors affect hippocampal volume with ageing? An MRI study from a large scale cohort (NILS-LSA)  
Takashi Kato (20 min)  
NCGG

5. Longitudinal study of frailty and cognitive impairment in Japanese elderly

Hiroshi Shimokata (20 min)

Nagoya University of Arts and Sciences

16:45~16:50

Closing remark Hidenori Arai