

# Programs

## August 19 (Fri)

### Room G1+G2

9:00-9:45

#### Opening Ceremony & Award Ceremony

English

\*日英同時通訳あり

10:00-11:00

#### Keynote Speech 1: Japan Nutrition

English

\*日英同時通訳あり

Chairperson: Chwang Leh-Chii (Honorary President, Asian Federation of Dietetic Associations / President, Chinese Dietetic Society, Taiwan)

KS1

#### Japan Nutrition

Teiji Nakamura<sup>1,2</sup>

<sup>1</sup>Japan Dietetic Association, Japan, <sup>2</sup>Kanagawa University of Human Services, Japan

11:15-12:00

#### Special Lecture: Nutrition Policy in Japan to Leave No One Behind and the Role of Registered Dietitians/Dietitians

English

\*日英同時通訳あり

Chairperson: Teiji Nakamura, (President, Japan Dietetic Association / Kanagawa University of Human Services, Japan)

SL1

#### Nutrition Policy in Japan to Leave No One Behind and the Role of Registered Dietitians/Dietitians

Yasuyuki Sahara

Health Service Bureau, Ministry of Health, Labor and Welfare, Japan

### Room F201+F202

12:30-13:30

#### Mini Symposium Sponsored by Yakult Honsha Co., Ltd.

English

\*日英同時通訳あり

MS-1

#### Efficacy of Probiotics on Digestive Disorders and Acute Respiratory Infections: A Controlled Clinical Trial in Young Vietnamese Children

Truong Tuyet Mai

National Institute of Nutrition, Vietnam

MS-2

#### Effect of *Lacticaseibacillus Paracasei* Strain Shirota Supplementation on Clinical Responses, Gut Microbiota and Faecal Metabolites in Patients with Parkinson's Disease: A Randomized, Double-blind, Placebo-controlled Trial

Xiaodong Yang

Ruijin Hospital, Shanghai Jiao Tong University School of Medicine, China

# Programs

## Room F201+F202

14:00-15:30

### Symposium 1: The Role of Dietitians in the Prevention and Treatment of Diabetes

English

\*日英同時通訳あり

Chairpersons: Hirohito Sone (Niigata University, Japan)  
Duc Son Lee (University of Medicine and Pharmacy at Ho Chi Min City, Vietnam)

- SY1-1 Practice and Research on Medical Nutrition Therapy for People with Diabetes through Collaboration between Dietitians and Other Professions**  
Hirohito Sone  
*Department of Internal Medicine, Niigata University Faculty of Medicine, Japan*
- SY1-2 The Role of Certified Specialist of Registered Dietitian for Diabetes (CSRDD) in the Prevention and Treatment of Diabetes in Japan**  
Kenichiro Shide  
*Department of Metabolism and Clinical Nutrition, Kyoto University Hospital, Japan*
- SY1-3 Expectations for Vietnamese Dietitians in the Management of Diabetes: A View of Medical Doctor and Nutritionist**  
Duc Son Nguyen Trung Le  
*Nutrition and Food Security, Pham Ngoc Thach Medical University, Viet Nam*

## Room F203+F204

14:00-15:30

### Symposium 2: Diet Quality – Novel Approach to Health Using Nutrient Profiling –

English

\*日英同時通訳あり

Chairpersons: Hisanori Kato (The University of Tokyo, Japan)  
Kentaro Murakami (The University of Tokyo, Japan)

- SY2-1 The Outline of Nutrient Profiling System**  
Hisanori Kato  
*Graduate School of Agricultural and Life Sciences, The University of Tokyo, Japan*
- SY2-2 Characterizing the Diets Consumed by Japanese Based on Various Dietary Variables: Are Japanese Diets Really Healthy?**  
Kentaro Murakami  
*Department of Social and Preventive Epidemiology, The University of Tokyo, Japan*
- SY2-3 Application of Nutrient Profiling for Assessing Maternal Dietary Quality in Japan**  
Noriko Sato<sup>1,2</sup>  
<sup>1</sup>*Division of Human Development, Graduate School of Human Life Science, Japan Women's University, Japan,*  
<sup>2</sup>*Comprehensive Reproductive Medicine, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University, Japan*
- SY2-4 Implementation of the Health Star Rating System and Its Social Applications**  
Fraser Taylor<sup>1,2</sup>  
<sup>1</sup>*FoodSwitch, The George Institute for Global Health, Australia,* <sup>2</sup>*Medicine, University of New South Wales, Australia*

# Programs

## Room E26

### 14:00-17:00 **Workshop 1: Let's Talk with Young Dietitians about Our Future**

English only

Chairpersons: Georgen Choong Jean Thye (Malaysian Dietitians' Association, Malaysia)  
Tzu Yun Chu (Taipei Veterans General Hospital, Taiwan)  
Varanya Techasukthavorn (Chulalongkorn University, Thailand)  
Samitti Chotsriluecha (Phramongkutklao Hospital and College of Medicine, Bangkok, Thailand)  
Yupa Chanwikrai (University of Phayao, Thailand)  
Trang Thu Nguyen (Jumonji University, Japan)

#### WS1 **Young Dietitians of AFDA Member Countries**

Saori Kataoka, *Kanagawa University of Human Services, Japan*  
Ishak Halim Octawijaya, *Kanagawa University of Human Services, Japan*  
Risako Okuyama, *Aomori Hachinohe the Second Prefectural School for the Disabled, Japan*  
Giang Huong Nguyen, *Jumonji University, Japan*  
Diep Van Nguyen, *Fujinoe Company, Japan*  
Thao Phuong Tran, *Jumonji University, Japan*  
Ngoc Thi Ta, *Asian Nutrition and Food Culture Research Center, Vietnam*  
Marita Villarama De Guzman, *Nutritionist-Dietitians' Association of the Philippines, Philippines*  
Zi-Xuan Lin, *National Taiwan University Hospital, Taiwan*  
Yoottana Prommaun, *Satuek Hospital, Thailand*  
Pongsakorn Longchuan, *Somdech Phra Pinklao Hospital, Thailand*  
Phuong Mai Nguyen, *Quest Company, Japan*

## Room F205+F206

### 14:00-15:30 **Workshop 2: Dietitians' Activities in Obesity Prevention Programs**

English

\*日英同時通訳あり

Chairperson: Yasuhiro Kido (Konan Women's University, Japan)

#### WS2-1 **Dietitian's Activities in Obesity Prevention Programs**

Samitti Chotsriluecha  
*Clinical Nutrition, Phramongkutklao Hospital and College of Medicine, Thailand*

#### WS2-2 **Dietitians' Activities in Indonesian Obesity Prevention Programs**

Miranti G. Sumapradja  
*Indonesian Dietetic Association, Indonesia*

#### WS2-3 **Obesity Control Measures Using Specific Health Guidance in Japan**

Chihiro Oizumi  
*Health Promotion Division, Sanjo City Government, Japan*

## Room F201+F202

### 16:00-17:00 **Educational Lecture 1: Autophagy and Nutrition**

Japanese (日本語)

\*English-Japanese simultaneous translation available

Chairperson: Tatsushi Komatsu (Doshisha Women's College of Liberal Arts, Japan)

#### EL1 **Autophagy and Nutrition**

Keiji Tanaka  
*Protein Metabolism, Tokyo Metropolitan Institute of Medical Science, Japan*

# Programs

## Room F203+F204

**16:00-17:30**      **Symposium 3: Infectious Disease Control and Nutritional Management**

English

\*日英同時通訳あり

Chairpersons: Tohru Sakai (Tokushima University, Japan)  
Kenji Toyama (Nara Women's University, Japan)

- SY3-1**      **COVID-19 Infection and Nutritional Status**  
Tohru Sakai  
*Department of Public Health and Applied Nutrition, Institute of Biomedical Science, Tokushima University Graduate School, Japan*
- SY3-2**      **Covid-19 Pandemic and Nutritional Management: What Can We Learn?**  
Jung-Su Chang  
*School of Nutrition and Health Sciences, College of Nutrition, Taipei Medical University, Taiwan*
- SY3-3**      **Virgin Coconut Oil Is Effective In Lowering C-reactive Protein Levels among Suspect and Probable Cases of COVID-19**  
Imelda Angeles Agdeppa  
*Department of Science and Technology - Food and Nutrition Research Institute , Philippines*
- SY3-4**      **Report on Nutritional Support for COVID-19 Patients at Saiseikai Suita Hospital**  
Yuta Nagaike  
*Department of Nutrition, Saiseikai Suita Hospital, Japan*

## Room F205+F206

**16:00-18:00**      **Workshop 3: The Tokyo Nutrition Summit 2021: Realizing Our Commitments**

English

\*日英同時通訳あり

Chairperson: Koji Miura (Fujita Health University, Japan)

- WS3-1**      **Food-based Dietary Guideline for Sustainable Healthy Diets: Lessons from Japanese Diet and Longevity toward SDGs**  
Shoichiro Tsugane  
*National Institute of Health and Nutrition, National Institutes of Biomedical Innovation, Health and Nutrition, Japan*
- WS3-2**      **The Commitment and Its Progress of the Federation of Japanese Nutrition Societies (FJNS)**  
Yukari Takemi  
*Faculty of Nutrition Science, Kagawa Nutrition University, Japan*
- WS3-3**      **Nutritional Commitment of Ajinomoto Group - Nutrition Without Compromising Taste Toward Responsible Nutrition -**  
Hisayuki Uneyama  
*Global Communications Department, Ajinomoto Group, Japan*
- WS3-4**      **Promote and Develop the Dietetic System in Asian Countries**  
Teiji Nakamura<sup>1,2</sup>  
*<sup>1</sup>Japan Dietetic Association, Japan, <sup>2</sup>Kanagawa University of Human Services, Japan*

# Programs

August 20 (Sat)

## Room F205+F206

**9:00-10:30**      **Workshop 4: Community Nutrition Activities by Public Health Dietitians - Maternal and Child Nutrition Program**

English

\*日英同時通訳あり

Chairpersons: Hazreen Abdul Majid (Centre for Population Health, University of Malaya, Malaysia)  
Miki Miyoshi (Aomori University of Health and Welfare, Japan)

**WS4-1**      **Community Nutrition Activities by Public Health Dietitians - Maternal and Child Nutrition Program in Malaysia**

Hazreen Abdul Majid  
*Centre for Population Health, University of Malaya, Malaysia*

**WS4-2**      **Dietary Risk Factors of Physical Growth of Filipino School-aged Children**

Imelda Angeles Agdeppa<sup>1</sup>, Taro Nakamura<sup>2</sup>, Mayu Sugita<sup>2</sup>, Marvin Bangan Toledo<sup>1</sup>,  
Pamela Castillo Sampaga<sup>1</sup>, Jezreel Ann Taruc Zamora<sup>1</sup>  
<sup>1</sup>Food and Nutrition Research Institute, Philippines, <sup>2</sup>Institute of Food Sciences & Technologies, Ajinomoto Co., Inc, Japan

**WS4-3**      **Public Health Nutrition Activities by Administrative Dietitians in Japan: The Maternal and Child Nutrition Program**

Midori Ishikawa  
*Department of Health Promotion, National Institute of Public Health, Japan*

## Room F201+F202

**9:30-10:30**      **Educational Lecture 2: Gut Microbiota and Nutrition**

English

\*日英同時通訳あり

Chairperson: Seichiro Aoe (Otsuma Women's University, Japan)

**EL2**      **Gut Microbiota and Nutrition**

Yuji Naito  
*Department of Human Immunology and Nutrition Science, Kyoto Prefectural University of Medicine, Japan*

## Room F203+F204

**9:30-10:30**      **Special Symposium: The AFDA Official Journal of the Dietitian, by the Dietitian, for the Dietitian**

English

\*日英同時通訳あり

Chairpersons: Winnie Chee (Malaysian Dietitians' Association, Malaysia)  
Zenaida F. Velasco (Dietitians' Association of the Philippines, Philippines)

**SSY1-1**      **The AFDA Official Journal of the Dietitian, by the Dietitian, for the Dietitian**

Shigeru Yamamoto  
*Asian Nutrition, Jumonji University, Japan*

**SSY1-2**      **Research and Publication in The Dietetics Profession – How to Optimize Our Competency**

Winnie Chee  
*Nutrition & Dietetics, International Medical University, Malaysia*

**SSY1-3**      **The Study on the Awareness and Effectiveness of the AJD among Filipino Dietitians**

Zenaida Fainsan Velasco  
*Nutritionist-Dietitians' Association of the Philippines, Philippines*

# Programs

## Room F201+F202

11:00-12:30

### **Symposium 4: Salt Reduction Measures and Activities for Local Residents: Past, Present, and Future**

Japanese (日本語)

\*English-Japanese simultaneous translation available

Chairpersons: Mieko Nakamura (Hamamatsu University School of Medicine, Japan)  
Katsushi Yoshita (Osaka Metropolitan University, Japan)

- SY4-1 Sodium Reduction Measures and Activity in Korea**  
Kyung-Joo Kim  
*The Korean Dietetic Association, Korea*
- SY4-2 Salt Reduction Activities in Shizuoka Prefecture for Community and Occupational Health Promotion**  
Mieko Nakamura  
*Community Health and Preventive Medicine, Hamamatsu University School of Medicine, Japan*
- SY4-3 Niigata Prefecture's Nutrition Policy "Niigata Gen-en (salt reduction) Renaissance Movement" and Subsequent Efforts**  
Miyo Kojima  
*Health and Welfare Department, Health Promotion Support Division, Niigata Prefectural Government, Japan*
- SY4-4 Salt Reduction Activities by Japanese Registered Dietitians and Dietitians: Past Efforts and Results and Future Development**  
Katsushi Yoshita  
*Graduate School of Human Life and Ecology, Osaka Metropolitan University, Japan*

## Room F203+F204

11:00-12:30

### **Symposium 5: Dietitians' Activities through the Use of AI, ICT, etc.**

English

\*日英同時通訳あり

Chairpersons: Shihoko Suzuki (Vice President, Japan Dietetic Association /  
Kanagawa University of Human Services, Japan)  
Nana Matsumoto (The University of Tokyo, Japan)

- SY5-1 A Novel "Software as a Medical Device" for Nutrition Therapy in Diabetes Management**  
Kaori Ikeda<sup>1</sup>, Kenichiro Shide<sup>2</sup>  
*<sup>1</sup>Institute for Advancement of Clinical and Translational Science, Kyoto University Hospital, Japan, <sup>2</sup>Metabolism and Clinical Nutrition, Kyoto University Hospital, Japan*
- SY5-2 Use of Information Communication and Technology, Artificial Intelligence by Nutritionists of 21st Century - An Indian Perspective**  
Jagmeet Madan  
*Department of Food Nutrition and Dietetics, Sir Vithaldas Thackersey College of Home Science (Autonomous) SNDT Women's University, Mumbai, India*

# Programs

## Room F205+F206

11:00-12:30

### Workshop 5: Systems, Activities, and Issues for Hospital Dietitians

English

\*日英同時通訳あり  
\*WS5-1: Pre-recorded presentation

Chairperson: Yasuyo Wada (National Institute of Public Health, Japan)

- WS5-1**     **Systems, Activities and Issues for Hospital Dietitians – Active Participation to Eradicate Hospital Acquired Malnutrition**  
Gordon Cheung  
*Hong Kong Nutrition Association, Hong Kong*
- WS5-2**     **Systems, Activities and Issues for Korean Hospital Dietitians**  
Jeeyeon Kim  
*Nutrition, The Catholic University of Korea, Eunpyung St. Mary's Hospital, Korea*
- WS5-3**     **The Roles and Challenges for the Registered Dietitian in Kaifukuki (Convalescent) Rehabilitation Wards**  
Shinta Nishioka  
*Department of Clinical Nutrition and Food Service, Nagasaki Rehabilitation Hospital, Japan*

## Room F201+F202

12:45-13:45

### Mini Seminar Sponsored by Ajinomoto Co., Inc.

English

\*日英同時通訳あり

**Novel Approaches for a Healthier and Sustainable Society by Improving Nutrition with Umami**

Hitomi Hayabuchi<sup>1</sup>, Nattida Chotechuang<sup>2</sup>

<sup>1</sup>Fukuoka Women's University and Fukuoka Asia Urban Research Center, Japan, <sup>2</sup>Chulalongkorn University, Thailand

## Room F201+F202

14:00-15:00

### Educational Lecture 3: Elucidating Eating Behavior for Developing Mechanism-based Effective Interventions

English

\*日英同時通訳あり  
\*Online presentation

Chairperson: Midori Ishikawa (National Institute of Public Health, Japan)

- EL3**     **Elucidating Eating Behavior for Developing Mechanism-based Effective Interventions**  
Tsutomu Sasaki  
*Division of Food Science and Biotechnology, Graduate School of Agriculture, Kyoto University, Japan*

## Room F203+F204

14:00-15:30

### Symposium 6: The Future of the School Lunch System and the Message from Japan

Japanese (日本語)

\*English-Japanese simultaneous translation available

Chairperson: Rumi Saito (Ministry of Education, Culture, Sports, Science and Technology, Japan)

- SY6-1**     **Japanese School Lunch System**  
Rumi Saito  
*Elementary and Secondary Education Bureau, Health Education and Shokuiku Division, Ministry of Education, Culture, Sports, Science and Technology, Japan*

# Programs

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**SY6-2 Current Status and Issues of School Lunch in Japan**

Tomoko Nakada  
*Japan Dietetic Association, Japan*

**SY6-3 Japanese School Lunches: A Perspective from Vietnamese Dietitians**

Giang Huong Nguyen  
*Department of Food and Nutrition, Jumonji University, Japan*

## Room F205+F206

**14:00-15:30 Workshop 6: Practical Nutritional Management for Persons with Disabilities**

English

\*日英同時通訳あり

Chairpersons: Kazumi Tanaka (Kanagawa University of Human Services, Japan)  
Ishak Halim Octawijaya (Kanagawa University of Human Services, Japan)

**WS6-1 Development of Nutritional Assessment Sheet for Defecation in Spinal Cord Injury and Spina Bifida Athletes**

Shihoko Suzuki  
*School of Nutrition & Dietetics, Faculty of Health & Social Services, Kanagawa University of Human Services, Japan*

**WS6-2 Challenges in Nutrition Management for Vietnamese Older Adults with Dysphagia**

Thao Phuong Tran, Shigeru Yamamoto  
*Department of Asian Dietetics, Jumonji University, Japan*

## Room F201+F202

**16:00-17:30 Symposium 7: SDGs Approach: Agricultural Products for Health Promotion**

English

\*日英同時通訳あり

Chairperson: Yasuhiro Kido (Konan Women's University, Japan)

**SY7-1 Utilization of Functional Agricultural Products for Health Maintenance and Promotion**

Mari Maeda-Yamamoto  
*Food Research Institute, National Agriculture and Food Research Organization, Japan*

**SY7-2 Role of Diet Diversification in Food Security and Health Promotion**

Mian Kamran Sharif<sup>1</sup>, Fayza Khan<sup>2</sup>, Tabana Naz<sup>1</sup>  
*<sup>1</sup>National Institute of Food Science & Technology, University of Agriculture, Pakistan, <sup>2</sup>Health Icon Medical & Diagnostic Centre, Pakistan*

**SY7-3 Insights from a Dietary Survey of Children in an Area Close to Forests in Stung Treng Province, Kingdom of Cambodia**

Saiko Shikanai  
*Department of Nutrition, Aomori University of Health and Welfare, Japan*



# Programs

## Room F203+F204

16:00-17:30

### **Symposium 8: Training Dietitians to Be Respected in Society**

English

\*日英同時通訳あり

Chairpersons: Chwang Leh-Chii (Honorary President, Asian Federation of Dietetic Associations / President, Chinese Dietetic Society, Taiwan)  
Shigeru Yamamoto (Jumonji University, Japan)

- SY8-1**      **What is Needed to Become a Dietitian Trusted and Respected by Society: From an Educator's Point of View**  
Shigeru Yamamoto  
*Asian Nutrition, Jumonji University, Japan*
- SY8-2**      **What is Needed to Become a Dietitian Trusted and Respected by Society: From a Hospital Dietitian's Point of View**  
Chanida Pachotikarn  
*Thai Dietetic Association, Thailand*
- SY8-3**      **What Is Needed To Become A Dietitian Trusted And Respected By Society: From a MD's Point of View**  
Linh Thuy Nguyen  
*Nutrition and Food Safety, Hanoi Medical University, Viet Nam*

## Room F205+F206

16:00-17:30

### **Workshop 7: The Role of Nutrition Professionals in Strategies to Prevent Frailty and Sarcopenia in Community**

English

\*日英同時通訳あり  
\*WS7-2: Pre-recorded presentation

Chairpersons: Kumiko Yoneyama (Function-Enhanced Certified Nutrition Care Station eatcoco, Japan)  
Yasutake Tomata (Kanagawa University of Human Services, Japan)

- WS7-1**      **Prevention of Frailty and Sarcopenia Using Nutrition, Food, and Exercise Support: Role of a Nutrition Care Station with Interprofessional Collaboration between Medical Staff and Registered Dietitians**  
Yayoi Tanaka  
*Department of Management Nutrition Sciences, Kanto Gakuin University, Japan*
- WS7-2**      **The Role of Nutrition Professionals in Strategies to Prevent Frailty and Sarcopenia in the Community**  
Gordon Cheung  
*Hong Kong Nutrition Association, Hong Kong*
- WS7-3**      **Novel Food Formulation Strategies to Prevent and Manage Sarcopenia**  
Kalpana Bhaskaran  
*<sup>1</sup>Singapore Nutrition & Dietetics Association, <sup>2</sup>Centre of Applied Nutrition Services & Glycemic Index Research Unit, Temasek Polytechnic, Singapore*

# Programs

August 21 (Sun)

## Room G1+G2

9:00-10:00

### **Educational Lecture 4: Food Waste and Nutrition: Qualitative Adjustment in the SDGs Era in the Food Supply Chain**

Japanese (日本語)

\*English-Japanese simultaneous translation available

Chairperson: Toshiko Saito (Vice President, Japan Dietetic Association / Niigata University Graduate School of Medical and Dental Science, Japan)

EL4

Food Waste and Nutrition: Qualitative Adjustment in the SDGs Era in the Food Supply Chain

Tomio Kobayashi

*Social and Family Economy, Japan Woman University, Japan*

## Room G1+G2

10:30-11:30

### **Keynote Speech 2: BOSAI and Disaster Nutrition Assistance ~ Disaster Food, Nutritional Standards and Disaster Dietitian Originating from Japan ~**

English

\*日英同時通訳あり

Chairperson: Khalid Iqbal (Khyber Medical University, Pakistan)

KS2

BOSAI and Disaster Nutrition Assistance

~Disaster Food, Nutritional Standards and Disaster Dietitian Originating from Japan~

Nobuyo Tsuboyama-Kasaoka

*International Center for Nutrition and Information, National Institute of Health and Nutrition, National Institutes of Biomedical Innovation, Health and Nutrition, Japan*

## Room G1+G2

11:30-12:00

### **Closing Ceremony & Award Ceremony (Poster)**

English

\*日英同時通訳あり

# Programs

August 19 (Fri)

## Exhibition Hall D

### 11:30-12:30 Poster Session: Nutritional Biochemistry and Physiology

- PS-1-1 Inhibitory Effect of Extract from Eucalyptus Gunnii on  $\alpha$ -Synuclein Amyloid Fibrils Formation**  
Isao Suetake<sup>1,2</sup>, Misaki Ono<sup>1</sup>, Kaede Yamazaki<sup>3</sup>, Shigeki Ogai<sup>3</sup>, Kenichi Tanabe<sup>1</sup>, Masaki Kato<sup>1</sup>, Hisaya Kawate<sup>1</sup>, Tomoyuki Oki<sup>1</sup>, Hironobu Hojo<sup>2</sup>, Hiroshi Hamajima<sup>3</sup>, Risa Mutoh<sup>4</sup>, Yasuo Nagata<sup>3</sup>, Masatomo So<sup>2</sup>  
*<sup>1</sup>Department of Nutritional Sciences, Nakamura Gakuen University, Japan, <sup>2</sup>Institute for Protein Research, Osaka University, Japan, <sup>3</sup>Saga Food & Cosmetic Laboratory, Saga Prefectural Industrial Innovation Center, Japan, <sup>4</sup>Department of Applied Physics, Fukuoka University, Japan*
- PS-1-3 Characterization of Beige Adipocyte Progenitor Cells by Single-Cell Analyses and Their Implication in Lifestyle Diseases**  
Yasuo Oguri<sup>1,2</sup>, Tsutomu Sasaki<sup>1</sup>  
*<sup>1</sup>Laboratory of Nutrition Chemistry, Division of Food Science and Biotechnology, Graduate School of Agriculture, Kyoto University, Japan, <sup>2</sup>Beth Israel Deaconess Medical Center, Division of Endocrinology, Diabetes & Metabolism, Harvard Medical School, USA*
- PS-1-4 Comparison of Metabolome under Pyridoxine Sufficient and Deficient Conditions in SH-SY5Y Cells**  
Nana Itoh, Kotomi Fujita, Toshio Iwaki, Shigeo Takenaka, Hiroaki Kanouchi  
*Life and Environmental Science, Osaka Prefecture University, Japan*
- PS-1-5 The Exposure to Dashi through the Lactating Mother Alters Appetite of Offsprings for Oil during Their Adulthood**  
Shunsuke Fushimi, Tsutomu Sasaki  
*Laboratory of Nutrition Chemistry, Division of Food Science and Biotechnology, Graduate School of Agriculture, Kyoto University, Japan*
- PS-1-6 Vitamin B<sub>6</sub> Deficiency Induced Accumulation of Liver Lipids, and It was Effectively Ameliorated by Choline and to a Lesser Extent, Betaine**  
Erina Kitagawa<sup>1,2</sup>, Yuki Ota<sup>3</sup>, Maki Hasegawa<sup>4</sup>, Tomoyuki Nakagawa<sup>1,3,4</sup>, Takashi Hayakawa<sup>4,5</sup>  
*<sup>1</sup>Department of Science of Biological Resources, The United Graduate School of Agricultural Science, Gifu University, Japan, <sup>2</sup>Department of Health and Nutrition, Nagoya Bunri University, Japan, <sup>3</sup>Department of Applied Life Sciences, The Graduate School of Applied Biological Sciences, Gifu University, Japan, <sup>4</sup>Department of Applied Biological Sciences, Gifu University, Japan, <sup>5</sup>Department of Applied Life Studies, College of Nagoya Women's University, Japan*
- PS-1-7 Effects of Greek Yogurt on Body Composition, Muscle Strength, Physical Functions, and Subjective Evaluation Parameters**  
Aki Ogawa<sup>1</sup>, Shunsuke Morita<sup>2</sup>, Hiroshi Iwamoto<sup>2</sup>, Kazuhiro Miyaji<sup>2</sup>, Makoto Usami<sup>1</sup>, Yasuhiro Kido<sup>1</sup>  
*<sup>1</sup>Department of Clinical Nutrition and Dietetics, Konan Women's University, Japan, <sup>2</sup>Health Care & Nutritional Science Institute, R&D Division, Morinaga Milk Industry Co., Ltd., Japan*
- PS-1-10 Characterization of Skin Conditions Leading to Sensitization, a Pre-phase of Food Allergy: A Mouse Model Study**  
Mayuko Ichimura-Shimizu  
*Pathology and Laboratory Medicine, Tokushima University, Japan*
- PS-1-11 HydroZitLa: New Beverage Formulated from Banana Stem Extract and Butterfly Pea Flower Delays Aging and Promotes Longevity in Preclinical Models**  
Nattida Chotechuang<sup>1</sup>, Ander Abarrategi<sup>2</sup>, Jhonathan Andres Vergara<sup>2</sup>, Mani Iyer Prasanth<sup>3</sup>, Tewin Tencomnao<sup>3</sup>, Kamonchanok Chuenwisad<sup>5</sup>, Sergio Moya<sup>4</sup>, Chanchai Boonla<sup>5</sup>  
*<sup>1</sup>Food Technology, Faculty of Science, Chulalongkorn University, Thailand, <sup>2</sup>Regenerative Medicine, CIC biomaGUNE, Spain, <sup>3</sup>Clinical Chemistry, Faculty of Allied Health Science, Chulalongkorn University, Thailand, <sup>4</sup>Soft Matter Nanotechnology, CIC biomaGUNE, Spain, <sup>5</sup>Biochemistry, Faculty of Medicine, Chulalongkorn University, Thailand*

# Programs

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**PS-1-12 A Thiamin Derivative Ingestion Was Tended to Be Lower in Akt Phosphorylation under Thiamin Sufficient State in Rat Skeletal Muscle**

Hiroyuki Masuda

*Health and Nutrition, Niigata University of Health and Welfare, Japan*

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**11:30-12:30 Poster Session: Food Science**

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**PS-1-13 Oxidative Stability of Oil Extracted from Pufferfish Liver at Different Temperatures**

Kazue Onuki<sup>1</sup>, Tomoka Okamoto<sup>2</sup>, Yuki Sakakura<sup>1</sup>, Tamao Noguchi<sup>3</sup>

*<sup>1</sup>Department of Food Sciences, Ibaraki Christian University, Japan, <sup>2</sup>Graduate School of Human Life Science, Ibaraki Christian University, Japan, <sup>3</sup>Postgraduate School of Healthcare, Graduate School, Tokyo Healthcare University, Japan*

**PS-1-15 Effect of Oven Set Temperature and Baking Tray Material on Quality and Core Temperature of Food**

Hiroe Matsuzuki

*Department of Food and Nutrition Design, Japan Women's University, Japan*

**PS-1-16 Multi-omics Analysis Reveals Therapeutic Effects of Bacillus Subtilis-fermenting Astragalus Membranaceus in Hyperuricemia via Modulation of Gut Microbiota**

Ruoyu Wang

*School of Public Health, Peking University, China*

**PS-1-17 Preparation of Egg-Free Mayonnaise-Like Seasoning Using Gelatinized Rice Flour for Food Allergies**

Azumi Yamagishi<sup>1</sup>, Asako Tamura<sup>2</sup>

*<sup>1</sup>Department of Child Studies, University of Niigata Prefecture, Japan, <sup>2</sup>Department of Health and Nutrition, University of Niigata Prefecture, Japan*

**PS-1-18 The Ins and Outs of the Energy Values of Food**

David Baer

*Beltsville Human Nutrition Research Center, United States Department of Agriculture, USA*

**PS-1-19 Is the Fourth Function of Food 'Richness'?**

Setsuko Maeda

*Faculty of Agricultural Production and Management, Shizuoka Professional University of Agriculture, Japan*

**PS-1-20 Polyphenol Content and Antioxidative Activity in Apple Peel**

Haato Nakamura<sup>2,1</sup>, Yuzuka Yamada<sup>1</sup>, Kaori Kitakoshi<sup>1</sup>

*<sup>1</sup>Nutrition, Shigakkan University, Japan, <sup>2</sup>Nutrition Division, Wakaba Hospital, Japan*

**PS-1-21 Effects of Amazake on the Blood Glucose Level and the Spontaneous Locomotor Activity in Stress-Loaded Juvenile Mice**

Takako Yamato, Yuka Ando

*Department of Nutritional Sciences, Nakamura Gakuen University, Japan*

**PS-1-22 The Effects of Cooking Methods and Time Course for Functional Component in Foodstuffs After Cooking**

Ryo Mannen<sup>1</sup>, Momoka Kawasaki<sup>2</sup>, Naoko Otsuki<sup>1,2</sup>, Kayoko Shimoj<sup>2</sup>, Yoko Ichikawa<sup>1,2</sup>

*<sup>1</sup>Graduate School of Integrated Pharmaceutical and Nutritional Sciences, University of Shizuoka, Japan,*

*<sup>2</sup>School of Food and Nutritional Sciences, University of Shizuoka, Japan*

**PS-1-23 Development of a Highly Sensitive Enzyme Immunoassay for the Determination of L-PGDS in Hens' Egg White**

Satoshi Numata<sup>1,2</sup>, Chika Ishida<sup>2</sup>, Ryohei Nagata<sup>2</sup>, Misako Ihara<sup>2</sup>, Kou Lau<sup>2</sup>, Makiko Suzuki<sup>2</sup>

*<sup>1</sup>Faculty of Health Sciences, Department of Nutrition, Kochi Gakuen University, Japan, <sup>2</sup>Faculty of Nutrition, Department of Nutrition, University of Kochi, Japan*

**PS-1-24 Proposals for New and Improved Measures for the Development of Japan's Foods with Functional Claims System**

Tomomi Hattori<sup>1,2</sup>, Yoichi Nagamura<sup>1</sup>

*<sup>1</sup>Department of Health Science, Graduate School of Health Science, University of Medical Science, Japan,*

*<sup>2</sup>Foods and Nutrition, Tsu City College, Japan*

# Programs

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- PS-1-25 The Effect of Sword Bean (*Canavalia gladiata*) on Postprandial Blood Glucose Level**  
Tomohisa Koyama<sup>1</sup>, Yuichiro Takei<sup>1</sup>, Yukiko Sumida<sup>1</sup>, Syunsuke Higaki<sup>2</sup>, Michiko Nishioka<sup>1</sup>, Takashi Murakami<sup>1</sup>, Reiko Aramaki<sup>1</sup>, Reiko Inai<sup>1</sup>  
<sup>1</sup>Faculty of Nutrition, University of Kochi, Japan, <sup>2</sup>Department of Human Sciences, Hokkaido Bunkyo University, Japan
- PS-1-26 A Double-Blind Placebo-Controlled Trial on Natural Prebiotic Inulin Fiber for Digestive Health**  
Ma. Teresa Tricia Guison Bautista  
Family Medicine, Quirino Memorial Medical Center, Philippines
- PS-1-27 Change of Betalain and Geosmin Content in Red Beet; Consideration of Cultivation Period and Storage Methods**  
Noriko Matsukawa, Hiromi Abiko, Yuzuki Kato, Yusei Narita, Sato Murao, Takayuki Tsukui, Yoshihito Arakawa  
Depart of Health Sciences, College of Nutrition, Sapporo University of Health Sciences, Japan
- PS-1-28 Research on Psychological Changes by Mental Health Care Foods Intake for Staff of Care Welfare Facility**  
Miho Hihara<sup>1</sup>, Rina Kato<sup>2</sup>, Keito Hagi<sup>3</sup>, Taiji Matsukawa<sup>3</sup>, Takayuki Okuno<sup>1</sup>, Masaki Sonoda<sup>4</sup>  
<sup>1</sup>Sakura-en, Social Welfare Corporation Shuhokai, Japan, <sup>2</sup>Global Health & Beauty Marketing Department, Mikakuto Co., Ltd., Japan, <sup>3</sup>Global Healthcare Laboratory, Mikakuto Co., Ltd., Japan, <sup>4</sup>Department of Neurosurgery, Yokohama City University, Graduate School of Medicine, Japan
- PS-1-30 Development of High-Amylose Pregelatinized Rice for Emergency Use**  
Asako Tamura<sup>1</sup>, Tomomi Tsuji<sup>1</sup>, Azumi Yamagishi<sup>2</sup>, Yasuaki Enoki<sup>3</sup>  
<sup>1</sup>Department of Health and Nutrition, University of Niigata Prefecture, Japan, <sup>2</sup>Department of Child Studies, University of Niigata Prefecture, Japan, <sup>3</sup>Advanced Research Institutes, Bourbon Corporation, Japan

## 12:30-13:30 Poster Session: System, Education and History of Dietitians

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- PS-2-1 A Comparison of Registered Dietitian Accreditation System in China, the United States and Japan: From Past to Future**  
Yajie Zhang<sup>1,2</sup>, Xiaoli Wang<sup>2</sup>, Xiuhua Shen<sup>1,2</sup>, Yuexin Yang<sup>2</sup>, Wei Cai<sup>1,2</sup>, Aiguo Ma<sup>2</sup>  
<sup>1</sup>Pediatric Research Center, Shanghai Jiaotong University School of Medicine Affiliated Xinhua Hospital, China, <sup>2</sup>Education and Training, Chinese Nutrition Society, China
- PS-2-2 Do Skill Improvement and What to Aim for in 10 Years as Dietitians Working in Municipalities Differ Depending on their Aimed Position?**  
Tatsuya Koyama<sup>1</sup>, Osamu Kushida<sup>2</sup>, Yusuke Arai<sup>3</sup>, Kazumi Tanaka<sup>4</sup>, Ayaka Iida<sup>4</sup>, Ayumi Morooka<sup>5</sup>, Sumie Isobe<sup>6</sup>, Rie Okamoto<sup>7</sup>, Izumi Shibuya<sup>8</sup>, Katsushi Yoshita<sup>9</sup>  
<sup>1</sup>Faculty of Health Science, Aomori University of Health and Welfare, Japan, <sup>2</sup>School of Food and Nutritional Sciences, University of Shizuoka, Japan, <sup>3</sup>Department of Nutrition, Chiba Prefectural University of Health Science, Japan, <sup>4</sup>Faculty of Health and Social Services, Kanagawa University of Human Services, Japan, <sup>5</sup>Health Service Division, Hyogo Prefecture Government, Japan, <sup>6</sup>Department of Welfare and Health, Niigata Prefecture, Japan, <sup>7</sup>Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University, Japan, <sup>8</sup>Seto Health Center, Aichi Prefecture, Japan, <sup>9</sup>Department of Human Life Science, Osaka City University, Japan
- PS-2-3 Learning Needs of Public Health Dietitians by Years of Experience in Health Promotion in Japan**  
Osamu Kushida<sup>1</sup>, Tatsuya Koyama<sup>2</sup>, Yusuke Arai<sup>3</sup>, Kazumi Tanaka<sup>4</sup>, Ayaka Iida<sup>4</sup>, Ayumi Morooka<sup>5</sup>, Sumie Isobe<sup>6</sup>, Rie Okamoto<sup>7</sup>, Izumi Shibuya<sup>8</sup>, Katsushi Yoshita<sup>9</sup>  
<sup>1</sup>School of Food and Nutritional Sciences, University of Shizuoka, Japan, <sup>2</sup>Faculty of Health Science, Aomori University of Health and Welfare, Japan, <sup>3</sup>Department of Nutrition, Chiba Prefectural University of Health Science, Japan, <sup>4</sup>Faculty of Health and Social Services, Kanagawa University of Human Services, Japan, <sup>5</sup>Health Service Division, Hyogo Prefecture, Japan, <sup>6</sup>Niitsu Health Center, Niigata Prefecture, Japan, <sup>7</sup>Faculty of Health Sciences, Kanazawa University, Japan, <sup>8</sup>Seto Health Center, Aichi Prefecture, Japan, <sup>9</sup>Department of Human Life Science, Osaka City University, Japan
- PS-2-4 Using Videos to Improve Knife Skills among University Students in Dietitian Training Courses**  
Sachiko Terao  
Health and Nutrition, Niigata University of Health and Welfare, Japan

# Programs

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- PS-2-5 Vietnam Nutrition-system Establishment Project (VINEP)**  
Kenji Shinkai, Eriko Kondo  
*AIN&VINEP Team, The Ajinomoto Foundation, Japan*
- PS-2-6 Changes in Student Self-efficacy, and the Current Clinical Training Content**  
Yumi Nishikawa<sup>1</sup>, Miyuki Takeda<sup>1</sup>, Tomoko Okamoto<sup>2</sup>  
<sup>1</sup>*Nourishment Management Office, Tohoku University Hospital, Japan, <sup>2</sup>Department of Nutrition, School of Health Sciences, Sapporo University of Health Sciences, Japan*
- PS-2-7 Annual Income of Registered Dietitians in Japan: A Cross-sectional Study**  
Ayaka Iida<sup>1</sup>, Saori Kataoka<sup>1</sup>, Yasutake Tomata<sup>1</sup>, Toshiko Saito<sup>2</sup>, Teiji Nakamura<sup>1</sup>, Shihoko Suzuki<sup>1</sup>  
<sup>1</sup>*School of Nutrition and Dietetics, Faculty of Health and Social Services, Kanagawa University of Human Services, Japan, <sup>2</sup>Department of Health and Nutrition, Faculty of Health Sciences, Niigata University of Health and Welfare, Japan*
- PS-2-8 Trends in Career Paths of New Graduates of Registered Dietitian Training Facilities in Japan**  
Saori Kataoka, Ayaka Iida, Yasutake Tomata, Teiji Nakamura, Shihoko Suzuki  
*School of Nutrition and Dietetics, Faculty of Health & Social Services, Kanagawa University of Human Services, Japan*
- PS-2-9 Method for Evaluating Cleanliness in Cooking Classes**  
Mio Yoneta, Itsumi Watanabe, Maiko Iwabe, Iori Okamoto, Megumi Sakamoto  
*Department of Nutrition, School of Health Sciences, Sapporo University of Health Sciences, Japan*

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## 12:30-13:30 Poster Session: Nutrition Education and Nutrition Through Life Course

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- PS-2-11 Comparison of the Health Status of 15-year-old Schoolchildren in Khabarovsk and Niigata City in the Context of the Coronavirus Pandemic**  
Hiromi Inaba<sup>1,2</sup>, Fumi Hoshino<sup>2</sup>, Kousuke Takano<sup>3</sup>, Kseniia Eduardovna Potapova<sup>4</sup>, Konstantin Vyacheslavovich Zhmerenetsky<sup>5</sup>, Marina Fedorovna Rziankina<sup>4</sup>, Kazuo Ishigami<sup>6</sup>  
<sup>1</sup>*Nutrition Science Research Center, Niigata University of Health and Welfare, Japan, <sup>2</sup>Department of Health and Nutrition, Niigata University of Health and Welfare, Japan, <sup>3</sup>Department of Health Information, Niigata University of Health and Welfare, Japan, <sup>4</sup>Department of Polyclinic Pediatrics, Far Eastern State Medical University, Russia, <sup>5</sup>Rector of the FSBEI HE, Far Eastern State Medical University, Russia, <sup>6</sup>Medical Work and Social Partnership, Far Eastern State Medical University, Russia*
- PS-2-12 The Efficacy of Digitized Teaching on Nutrition Education during the COVID-19 Pandemic**  
Tomoko Noma, Kyousuke Nowaki  
*Department of Nutrition, Koshien University, Japan*
- PS-2-13 The Relationship between Body Type Recognition, Anemia And Dietary Intake in College Female Students**  
Noriko Takahashi  
*Healthcare Nutrition, Showagakuin Junior College, Japan*
- PS-2-14 Effect of Utilizing Human-centered Design Masticatory Movement Improvement Background Music for School Lunch Periods**  
Naomi Sakuma<sup>1</sup>, Masaki Kurokawa<sup>2</sup>, Takao Hidenobu<sup>3</sup>, Katayama Ryosuke<sup>3</sup>, Naomi Aiba<sup>4</sup>  
<sup>1</sup>*Yokohama Municipal Sueyoshi Elementary School, Japan, <sup>2</sup>Department of Information Media, Sound Content Media Laboratory, Kanagawa Institute of Technology Graduate School, Japan, <sup>3</sup>Department of Robots and Mechatronics, Kanagawa Institute of Technology Graduate School, Japan, <sup>4</sup>Department of Nutrition and Life Science, Kanagawa Institute of Technology Graduate School, Japan*
- PS-2-16 Evaluation of Purine Content and Renal Acid Load in Healthy and Low-Carbohydrate Diets**  
Minori Sato, Yuka Kawakami, Hidekazu Arai  
*Laboratory of Clinical Nutrition and Management, Graduate Division of Nutritional and Environmental Sciences, and Graduate School of Integrated Pharmaceutical and Nutritional Sciences, The University of Shizuoka, Japan*

# Programs

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- PS-2-17 Does the Quality of Food Differ when Eating with Others Verse Eating Together Virtually?**  
Misaki Kaiwa<sup>1,2,3</sup>, Naohiko Kinoshita<sup>4</sup>, Hiromi Inaba<sup>3,5</sup>  
*<sup>1</sup>Graduate School of Health and Welfare, Niigata University of Health and Welfare, Japan, <sup>2</sup>Department of Nutrition and Health, Sagami Womens University, Japan, <sup>3</sup>Center for Nutrition Sciences, Niigata University of Health and Welfare, Japan, <sup>4</sup>Department of Health Informatics, Niigata University of Health and Welfare, Japan, <sup>5</sup>Department of Nutrition and Health, Niigata University of Health and Welfare, Japan*
- PS-2-19 Relationship of Bone Mass to Physique and Lifestyle in Male University Students**  
Miki Otsu-Matsuzaki<sup>1</sup>, Akiko Koike<sup>2</sup>, Hiroko Hattori<sup>3</sup>, Yuko Iimura<sup>1</sup>, Katsuhiko Sumiyoshi<sup>1</sup>, Shinji Saito<sup>1</sup>  
*<sup>1</sup>Department of Health and Nutrition, Tokiwa University, Japan, <sup>2</sup>Department of Nutrition, Tokai Gakuen University, Japan, <sup>3</sup>Department of Health and Nutritional Science, Aichi Gakuin University, Japan*
- PS-2-20 Dietary Education for Elementary School Students Had the Effect of Reducing the Amount of Leftover School Lunch**  
Satomi Maruyama, Yoko Mizuno  
*College of Human Life and Environment, Kinjo Gakuin University, Japan*
- PS-2-21 Satisfaction Survey of School Lunches for Children in a Situation That New Corona Infection Measures are Taken**  
Sachiko Kato<sup>1,2</sup>  
*<sup>1</sup>Nutrition, Toyohama Elementary School, Japan, <sup>2</sup>Nutrition, Minamichitacho School Lunch Center, Japan*

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**13:30-14:30 Poster Session: Nutrition Education and Nutrition Through Life Course**

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- PS-3-1 Effect of Nutrition Education for Home Care Workers**  
Yoko Takeuchi  
*Home Visiting Service, Setagaya Social Welfare Corporation, Japan*
- PS-3-2 Current Status and Issues of Lifestyle-related Disease Prevention Education in Schools**  
Yasuyo Ebihara<sup>1</sup>, Akiko Okada<sup>1</sup>, Tomoko Watanabe<sup>2</sup>  
*<sup>1</sup>Nutrition, Chiba Prefectural University of Health Sciences, Japan, <sup>2</sup>Nutrition, Tokyo Shokuryo Dietitian Academy, Japan*
- PS-3-3 Lifestyle and Chronic Constipation in University Students**  
Tomomi Yasuda  
*Department of Food Sciences and Human Nutrition, Ryukoku University, Japan*
- PS-3-4 An Examination of Factors Related to Food-Related Concerns of Parents with Post-Weaning Infants**  
Saki Horie<sup>1</sup>, Midori Ishikawa<sup>2</sup>, Tetsuji Yokoyama<sup>2</sup>  
*<sup>1</sup>Research Course, National Institute of Public Health, Japan, <sup>2</sup>Department of Health Promotion, National Institute of Public Health, Japan*
- PS-3-6 Recognition of a “Healthy Diet” among Young Women**  
Reiko Aramaki  
*Faculty of Nutrition, University of Kochi, Japan*
- PS-3-7 Actual Situation of Meal Provision for End-of-life Care in Group Home Care for Dementia Patients**  
Yoko Hosoyamada  
*Department of Nutrition and Dietetics, College of Nutrition, Kanto Gakuin University, Japan*
- PS-3-8 The Relationships between the Practices of Eating and Preparing Breakfast Categorized by Ways of Living among University Students**  
Misa Shimpo<sup>1</sup>, Takashi Katoh<sup>1</sup>, Tomoya Nakayama<sup>2</sup>  
*<sup>1</sup>Faculty of Health and Human Development, Department of Food and Health Sciences, The University of Nagano, Japan, <sup>2</sup>Faculty of Health and Human Development, Department of Child Development and Education, The University of Nagano, Japan*
- PS-3-9 Examination of Model Meal Plan and Portion Control Teaching Materials for Hyperuricemia**  
Yuki Sakakura, Kazue Onuki  
*Food Science, Ibaraki Christian University, Japan*

# Programs

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- PS-3-10 Multidisciplinary Collaboration in Teaching Obese Children to Improve Their Health**  
Hiroyo Kitade  
*School Lunch Kitchen, Nanao City Nakajima Elementary School, Japan*
- PS-3-11 Relationship between Chewing Ability and Nutritional Status in Japanese Older Adults: A Cross-Sectional Study**  
Keiko Motokawa<sup>1</sup>, Yurie Mikami<sup>1</sup>, Maki Shirobe<sup>2</sup>, Ayako Edahiro<sup>1</sup>, Yuki Ohara<sup>1</sup>, Masanori Iwasaki<sup>1</sup>, Yutaka Watanabe<sup>3</sup>, Hisashi Kawai<sup>4</sup>, Takeshi Kera<sup>5</sup>, Shuichi Obuchi<sup>4</sup>, Hunkyung Kim<sup>1</sup>, Yoshinori Fujiwara<sup>6</sup>, Kazushige Ihara<sup>7</sup>, Hirohiko Hirano<sup>1</sup>  
*<sup>1</sup>Research Team for Promoting Independence and Mental Health, Tokyo Metropolitan Institute of Gerontology, Japan, <sup>2</sup>The Tokyo Metropolitan Support Center for Preventative Long-term and Frail Elderly Care, Tokyo Metropolitan Institute of Gerontology, Japan, <sup>3</sup>Oral Health Science, Hokkaido University, Japan, <sup>4</sup>Human Care, Tokyo Metropolitan Institute of Gerontology, Japan, <sup>5</sup>Physiotherapy, Takasaki University of Health and Welfare, Japan, <sup>6</sup>Research Team for Social Participation and Community Health, Tokyo Metropolitan Institute of Gerontology, Japan, <sup>7</sup>Social Medicine, Hirosaki University, Japan*
- PS-3-12 Effects of a Light Diet on High School Track and Field Athletes**  
Naoki Takayanagi  
*Department of Nutrition, Tokaigakuen University, Japan*
- PS-3-13 Disaster Prevention Education by Nutrition Teacher Utilizing the Knowledge of JDA-DAT**  
Miho Goto  
*Gifu City Honjo Junior High School, Japan*
- PS-3-14 The Effect of Continuous Undernutrition Prevention Education by Registered Dietitians to Support Self-care in Community-dwelling Older Adults**  
Kumiko Yoneyama<sup>1,2</sup>, Akiko Kojo<sup>2</sup>, Kazuhiro Nishimura<sup>3</sup>, Toshiro Konishi<sup>2</sup>  
*<sup>1</sup>Function-Enhanced Certified Nutrition Care Station eatcoco, Japan, <sup>2</sup>Department of Healthcare, Division of Medical Nutrition, Tokyo Healthcare University Postgraduate School, Faculty of Healthcare, Japan, <sup>3</sup>Department of Health and Nutrition Sciences, Komazawa Women's University, Faculty of Human Health, Japan*
- PS-3-15 Associations between Eating Behaviour Characteristics and Dietary Intake in Japanese Junior High School Students**  
Airi Sekine<sup>1,2</sup>, Fumiko Okazaki<sup>2</sup>, Hiroki Sugiyama<sup>2</sup>, Kae Saeki<sup>3</sup>, Emiko Terauchi<sup>3</sup>, Reiko Suzuki<sup>2</sup>  
*<sup>1</sup>Department of Food and Nutrition, Faculty of Human Sciences and Design, Japan Women's University, Japan, <sup>2</sup>Department of Food Science and Human Nutrition, Faculty of Agriculture, Ryukoku University, Japan, <sup>3</sup>Graduate School of Human Sciences and Design, Division of Food and Nutrition, Japan Women's University, Japan*
- PS-3-16 Correlation between Frailty and Frailty Risk Indicators in Institutionalized Elderly**  
Miki Doi<sup>1</sup>, Rikako Inoue<sup>2</sup>, Hiroko Kamitani<sup>3</sup>, Yoshiharu Kinugasa<sup>3</sup>, Yasmin A. Syauki<sup>1</sup>, Suzumi Kageyama<sup>1</sup>, Haruka Sakae<sup>1</sup>, Hiroe Ohara<sup>4</sup>, Kazunori Takemoto<sup>4</sup>, Kaori Harano<sup>5</sup>, Kazuhiro Yamamoto<sup>3</sup>, Yasuyuki Irie<sup>2</sup>  
*<sup>1</sup>Graduate School of Health and Welfare Science, Okayama Prefectural University, Japan, <sup>2</sup>Department of Nutritional Science, Faculty of Health and Welfare Science, Okayama Prefectural University, Japan, <sup>3</sup>Division of Cardiovascular Medicine, Endocrinology and Metabolism, Faculty of Medicine, Tottori University, Japan, <sup>4</sup>Silver Center Kouraku, Social Welfare Service Corporation Koufuuikai, Japan, <sup>5</sup>Department of Contemporary Welfare Science, Faculty of Health and Welfare Science, Okayama Prefectural University, Japan*
- PS-3-17 Workplace Nutrition Improvement Program through Food Service in Myanmar: A Survey of Food Service Contents**  
Chinatsu Moriwaki<sup>1</sup>, Yukiko Nakanishi<sup>2</sup>, Fumiyo Suzuki<sup>3</sup>, Yasuhiko Toride<sup>4,2</sup>  
*<sup>1</sup>Department of Food and Nutrition, Nakamura Gakuen University Junior College, Japan, <sup>2</sup>Center for Health Promotion, International Life Sciences Institute Japan, Japan, <sup>3</sup>World Industry Co.,LTD., Japan, <sup>4</sup>Institute for International Strategy, Tokyo International University, Japan*
- PS-3-18 Effect of Different Dishwashing Methods on the Pollutant Load of Kitchen Wastewater— Study of “Normal Washing-up” and “Wiping” for a Meal from Cooking Textbooks—**  
Yoko Miyazawa<sup>1</sup>, Naoko Yamada<sup>2</sup>, Ami Yanase<sup>3</sup>, Isuzu Egami<sup>1</sup>, Mitsuru Tsuchida<sup>4</sup>  
*<sup>1</sup>Department of Nutrition, Tokaigakuen University Faculty of Health and Nutrition, Japan, <sup>2</sup>Department of Health and Nutrition, Nagoya Bunri University Faculty of Health and Human Life, Japan, <sup>3</sup>Sewerage Dept. General Management Div., Aichi Water and Greenery Public Corp, Japan, <sup>4</sup>The Graduate School of Human Sciences, Aichi Mizuho College, Japan*



# Programs

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- PS-3-19 Maternal Factors Influencing Allergies in Children**  
Naoko Yamada<sup>1</sup>, Noriko Goto<sup>2</sup>, Yoko Miyazawa<sup>3</sup>, Mitsuru Tsuchida<sup>4</sup>  
<sup>1</sup>Faculty of Health and Human Life Department of Health and Nutrition, Nagoya Bunri University, Japan, <sup>2</sup>Modern Early Childhood Education, Aichi Mizuho Junior College, Japan, <sup>3</sup>Faculty of Health and Nutrition Department of Nutrition, Tokaigakuen University, Japan, <sup>4</sup>The Graduate School of Human Sciences, Aichi Mizuho College, Japan
- PS-3-20 Relationship of Snack Intake with Nutrient Intake and Lifestyle Habits among Children Aged 3–5 Years**  
Yui Kojima<sup>1</sup>, Yui Ichimura<sup>2</sup>, Kaho Sanada<sup>2</sup>, Nobuko Murayama<sup>1</sup>, Chika Horikawa<sup>1</sup>, Tomomi Tsuji<sup>1</sup>, Kiyoshi Ito<sup>1</sup>, Azumi Yamagishi<sup>1</sup>, Asako Tamura<sup>1</sup>  
<sup>1</sup>Faculty of Human Life Studies, University of Niigata Prefecture, Japan, <sup>2</sup>Faculty of Human Life Studies, Ex-University of Niigata Prefecture, Japan
- PS-3-21 Nutrition-Balanced Snack Increased Energy and Nutrient Intakes and Improved Nutritional Status in Community-dwelling Older Adults at Nutrition Risk, Chiang Mai, Thailand**  
Yupa Chanwikrai<sup>1</sup>, Jukkrit Wangrath<sup>2</sup>, Sunard Techangam<sup>3</sup>, Chanida Pachotikarn<sup>3</sup>, Shigeru Yamamoto<sup>4</sup>  
<sup>1</sup>Graduate School of Human Life Sciences, Jumonji University, Japan, <sup>2</sup>Faculty of Public Health, Chiang Mai University, Thailand, <sup>3</sup>Thai Dietetic Association, Thailand, <sup>4</sup>Asian Nutrition and Food Culture Research Center, Jumonji University, Japan
- PS-3-22 The Relationship between Container Vegetable Gardening and Vegetable Consumption in Japanese Older Adults with Lifestyle-related Diseases Living in Urban Area**  
Yuki Hamamoto<sup>1,2</sup>, Toshio Izuoka<sup>2</sup>, Yoshiyuki Hamamoto<sup>2,3</sup>, Daiki Habu<sup>1</sup>  
<sup>1</sup>Graduate School of Human Life Science, Food and Human Health Sciences Lecture, Osaka City University, Japan, <sup>2</sup>Izuoka Clinic, Japan, <sup>3</sup>Diabete Center, Kansai Electric Power Hospital, Japan
- PS-3-23 An Evaluation of a Dietary Education Program to Reduce Skipping Breakfast among Junior High School Students in Urban Areas of Japan**  
Tomoe Fukumura<sup>1</sup>, Tomoko Fukamoto<sup>2</sup>, Taro Nishi<sup>1</sup>, Naomi Hayami<sup>1</sup>, Katsushi Yoshita<sup>1</sup>  
<sup>1</sup>Department of Food and Human Health Science, Osaka City University Graduate School of Human Life Science, Japan, <sup>2</sup>Health and Welfare Department, Osaka City Sumiyoshi Ward Office, Japan
- PS-3-24 Comparison of Basal Metabolic Rates Estimated from Different Equations in High School Baseball Players**  
Yuha Tomari<sup>1</sup>, Masaharu Kagawa<sup>2</sup>  
<sup>1</sup>Department of Health and Sport Science, Graduate School of Health and Sport Science, Juntendo University, Japan, <sup>2</sup>Institute of Nutrition Sciences, Kagawa Nutrition University, Japan
- PS-3-25 Characteristics of People Who Overestimate the Recommended Daily Salt Intake Among Japanese Workers**  
Rie Akamatsu  
Faculty of Core Research, Natural Science Division, Ochanomizu University, Japan

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## 14:30-15:30 Poster Session: Nutrition Education and Nutrition Through Life Course

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- PS-4-1 Effectiveness of the "Let's Become the Master of Chopsticks ! " Program for First Graders**  
Azusa Murata, Yukiko Yoshioka, Yuka Shiobara  
Department of Nutritional Sciences, Sagami Women's University, Japan
- PS-4-2 Characteristics of the Body Composition and Blood Properties of Male University Athletes with Visceral Fat Obesity**  
Tomomi Hasegawa Tanaka<sup>1</sup>, Yuka Kurosaka<sup>2</sup>, Shuichi Machida<sup>3</sup>  
<sup>1</sup>Management & Information of Health and Sports Sciences, Josai International University, Japan, <sup>2</sup>Faculty of Health and Sports Science, Juntendo University, Japan, <sup>3</sup>Graduate School of Health and Sports Science, Juntendo University, Japan
- PS-4-3 Attachment to the Local Community and Related Factors from the Viewpoint of Food among Elementary and Junior High School Students in Japan**  
Kazunari Toyama, Adachi Namiko  
Nutritional Sciences, Graduate School, Nagoya University of Arts and Sciences, Japan

# Programs

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- PS-4-4 Association of Normal Weight Obesity on Physical Function in Young Japanese Women**  
Isaki Hanamura<sup>1</sup>, Eriko Yoshida<sup>2</sup>, Takuya Nagamine<sup>2</sup>, Takurou Tobina<sup>1</sup>, Nobuko Sera<sup>1</sup>  
<sup>1</sup>Department of Nutrition and Science, Faculty of Nursing and Nutrition, University of Nagasaki, Japan,  
<sup>2</sup>Department of Nursing Science, Faculty of Nursing and Nutrition, University of Nagasaki, Japan
- PS-4-5 Asian-specific Snp Influences Dietary Behaviors in Japanese Youth**  
Maki Igarashi<sup>1</sup>, Tomomi Nagahata<sup>2</sup>, Yuko Mekata<sup>3</sup>, Yuki Kokubo<sup>4</sup>, Naoki Takayanagi<sup>3</sup>,  
Noriko Suzuki-Kemuriyama<sup>5</sup>, Hlsanori Kato<sup>1</sup>  
<sup>1</sup>Applied Biological Chemistry, The University of Tokyo, Japan, <sup>2</sup>Nutrition, Tokaigakuen University, Japan,  
<sup>3</sup>Faculty of Health and Nutrition, Bunkyo University, Japan, <sup>4</sup>Health and Nutritional Sciences, Aichi Shukutoku  
University, Japan, <sup>5</sup>Nutritional Science and Food Safety, Tokyo University of Agriculture, Japan
- PS-4-6 Low Physical Activity May Lead to Overweight and Obesity Rather Than High Energy Intake  
in Vietnamese Children**  
Phuong Mai Nguyen, Giang Huong Nguyen, Diep Van Nguyen, Shigeru Yamamoto  
International Nutrition, Jumonji University, Japan
- PS-4-7 Education Program about the Nutrition in Terms of Low Sodium**  
Fumie Wachi<sup>1,2</sup>, Sanae Takahara<sup>2</sup>  
<sup>1</sup>Hiyoshi-minami Elementary School, Yokohama, Japan, <sup>2</sup>Kohoku Ward Nutrition Teacher / School Nutrition  
Staff Study Group, Yokohama, Japan
- PS-4-8 Association Between Mothers' Provision of Vegetable Dishes and Homemade Meal  
Strategies Under Time Constraints in Japan**  
Emi Yoshii<sup>1</sup>, Rie Akamatsu<sup>2</sup>  
<sup>1</sup>Graduate School of Humanities and Sciences, Ochanomizu University, Japan, <sup>2</sup>Faculty of Core Research,  
Natural Science Division, Ochanomizu University, Japan
- PS-4-9 Comparison of Nutrient Intake Between University Students Who Eat Small Bowl of  
Vegetable Dish or Not at University Cafeteria**  
Makiko Nakade<sup>1,2</sup>, Suzuka Iwamoto<sup>1</sup>, Ryota Fukui<sup>1</sup>, Natsuki Hori<sup>1</sup>, Kana Matsui<sup>1</sup>  
<sup>1</sup>Department of Food Science and Nutrition, University of Hyogo, Japan, <sup>2</sup>Research Institute for Food and  
Nutritional Sciences, Japan
- PS-4-10 Effectiveness of Sports Nutrition Education Based on Self-determination Theory  
—For University Rowing Athletes—**  
Naoko Enatsu<sup>1,2</sup>, Jun Seino<sup>3</sup>  
<sup>1</sup>Health Guidance, Meiji Yasuda Health Development Foundation, Japan, <sup>2</sup>Master's Program in Sports Wellness  
Studies, University of Tsukuba, Japan, <sup>3</sup>Faculty of Health and Sport Sciences R&D Center for Smart Wellness  
City Policies, University of Tsukuba, Japan
- PS-4-11 Impact of the COVID-19 Pandemic on the Dietary Habits of Middle-Aged and Elderly Women  
in Japan**  
Asumi Wano<sup>1</sup>, Masaki Taga<sup>1</sup>, Yuiko Tsuruno<sup>1</sup>, Naoko Inamura<sup>1</sup>, Reiko Takanashi<sup>2</sup>, Takehiko Kaneko<sup>1</sup>  
<sup>1</sup>Graduate School of Human Ecology, Wayo Women's University, Japan, <sup>2</sup>Alumni Association, Wayo Women's  
University, Japan
- PS-4-12 Blood Hemoglobin Levels and Related Factors in Japanese Children**  
Mihoshi Yokoo<sup>1</sup>, Hiroko Miyaki<sup>1</sup>, Manami Misu<sup>1</sup>, Momo Hosokawa<sup>1</sup>, Erika Ota<sup>2</sup>  
<sup>1</sup>Research Team, General Incorporated Association Luvtelli, Japan, <sup>2</sup>Global Health Nursing, Graduate School  
of Nursing Science, St. Luke's International University, Japan
- PS-4-13 Differences in Dietary Diversity of Meals between School Days and Non-Schooldays among  
Junior High School Students**  
Koji Saito<sup>1,2</sup>, Saki Ito<sup>1</sup>, Kiichiro Tanaka<sup>1</sup>, Hyuga Mori<sup>1</sup>, Hinako Yamada<sup>1</sup>, Toshiko Saito<sup>1</sup>  
<sup>1</sup>Department of Health and Nutrition, Niigata University of Health and Welfare, Japan, <sup>2</sup>Kousei School Lunch  
Center, Kousei Junior High School, Japan

# Programs

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- PS-4-14 Second Trimester Fasting Insulin Level as an Important Predictor of Low Birth Weight Infants**  
Yoko Yachi<sup>1,2</sup>, Yasuhiro Tanaka<sup>3</sup>, Takaho Yamada<sup>2</sup>, Iijima Haruka<sup>4</sup>, Kaoru Ikiuo<sup>1</sup>, Ichiro Tastuno<sup>1</sup>, Hirohito Sone<sup>2</sup>  
*<sup>1</sup>Department of Nutrition, Faculty of Health Care Science, Chiba Prefectural University of Health Sciences, Japan, <sup>2</sup>Department of Laboratory Medicine and Clinical Epidemiology for Prevention of Noncommunicable Diseases, Niigata University Faculty of Medicine, Japan, <sup>3</sup>Department of Obstetrics and Gynecology, Japan Maternity Fitness Association, Japan, <sup>4</sup>Department of Clinical Nutrition, Chiba University Hospital, Japan*
- PS-4-15 The Program of Education and Practice of Diet in Relation to the International Exchange Activities with a Primary School in Beijing Brought by Nutritional Teacher**  
Sanae Takahara  
*School Lunch, Kozukue Elementary School, Japan*
- PS-4-16 Nutrition Improvement of Adolescent Girls in Bangladesh**  
Tamiko Tsutsui (Ishiyama)  
*Asia Arsenic Network, Japan*
- PS-4-17 Intervention Study of Energy Intake at Breakfast and Physical Activity in Undergraduate Students Yields the Ideal Breakfast Size**  
Sae Sasabe, Yuna Abe, Rina Abe, Miho Izumida, Wakana Imazeki, Madoka Iwano, Hinako Uchida  
*Faculty of Nursing and Nutrition, Shukutoku University, Japan*
- PS-4-18 Subjective Health Status Related to the Frequency of Consuming Meals Combining Grain Dishes, Fish/Meat Dishes, and Vegetable Dishes in University Students Living Alone in Japan**  
Yuna Watanabe, Sachie Ishizawa, Kazue Suzuki, Toshiko Saito  
*Department of Health and Nutrition, Niigata University of Health and Welfare, Japan*
- PS-4-19 Does Seaweed Intake Improve Nutrition Imbalance in Young Women? Confirmation of Magnesium Absorption from AKAMOKU (Sargassum Horneri) by an Intervention Study**  
Kokoro Kusazawa<sup>1</sup>, Misaki Otsuka<sup>1</sup>, Tairi Miyake<sup>1</sup>, Shigeru Murakami<sup>2</sup>, Mari Mori<sup>1</sup>  
*<sup>1</sup>Department of Health Management, Undergraduate School of Health Studies, Tokai University, Japan, <sup>2</sup>Department of Bioscience and Biotechnology, Fukui Prefectural University, Japan*
- PS-4-20 Evaluation of Pre- and Post-Nutrition Education Using a Two-Dimensional Image Mapping Method**  
Michiko Zempo<sup>1</sup>, Satoko Okabe<sup>1</sup>, Nao Endo<sup>2</sup>, Yuki Otsuki<sup>2</sup>, Aya Goto<sup>3</sup>  
*<sup>1</sup>Food and Nutrition, Koriyama Women's University, Japan, <sup>2</sup>Health Environment Division, Kagamiishi Town Hall, Japan, <sup>3</sup>Center for Integrated Science and Humanities, Fukushima Medical University, Japan*
- PS-4-21 Relationship between Milk Intake Behavior and Health Literacy During Growth Period-Current Situation and Issues in Japan and Korea-**  
Mie Imanaka<sup>1</sup>, Miok Kim<sup>2</sup>, Chie Kuwajima<sup>3</sup>, Hiroko Sakamoto<sup>4</sup>, Shiori Fukuda<sup>1</sup>, Hiroshi Tatano<sup>1</sup>, Jiro Takeuchi<sup>5</sup>  
*<sup>1</sup>Health and Nutrition, University of Shimane, Japan, <sup>2</sup>Food and Nutrition, Daegu Health College, Korea, <sup>3</sup>Health and Nutrition, Kyoto Koka University, Japan, <sup>4</sup>Food and Nutrition, Kyoto Kacho University, Japan, <sup>5</sup>Clinical Epidemiology, Hyogo College of Medicine, Japan*
- PS-4-22 Effects of Eating Environment on Masticatory Behavior**  
Sayaka Yamamoto<sup>1</sup>, Hanae Akiyama<sup>1</sup>, Riku Hanada<sup>2</sup>, Takayo Kawakami<sup>3</sup>, Toshiko Yamamoto<sup>3</sup>, Masaki Hokari<sup>4</sup>, Yutaka Ishii<sup>5</sup>  
*<sup>1</sup>Department of Nutritional Science, Graduate School of Health and Welfare Science, Okayama Prefectural University, Japan, <sup>2</sup>Department of Human Information Systems Engineering, Graduate School of Computer Science and Systems Engineering, Okayama Prefectural University, Japan, <sup>3</sup>Department of Nutritional Science, Okayama Prefectural University, Japan, <sup>4</sup>Department of Human Information Engineering, Okayama Prefectural University, Japan, <sup>5</sup>Department of Systems Engineering, Okayama Prefectural University, Japan*
- PS-4-23 Children's Body Composition and Parental Healthy Eating Literacy during the COVID-19 Pandemic**  
Satomi Minato-Inokawa<sup>1,2</sup>, Mihoshi Yokoo<sup>1</sup>, Hiroko Miyaki<sup>1</sup>, Momo Hosokawa<sup>1</sup>  
*<sup>1</sup>Research, General Incorporated Association Luvtelli, Japan, <sup>2</sup>Community Health and Nutrition, Ehime University, Japan*

# Programs

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**PS-4-24 Current Status of Nutrition Teachers and School Nutrition Staff in Chiba Prefecture: Cooperation Survey within Schools**  
Akiko Okada<sup>1</sup>, Yasuyo Ebihara<sup>1</sup>, Tomoko Watanabe<sup>2</sup>  
<sup>1</sup>Department of Nutrition, Faculty of Healthcare Sciences, Chiba Prefectural University of Health Sciences, Japan, <sup>2</sup>Department of National Registered Dietitian, Tokyo Shokuryo Dietitian Academy, Japan

**PS-4-25 Effects of a Shokuiku Program to Reduce Leftover Food from School Lunches**  
Kiyo Nakagiri<sup>1</sup>, Airi Itano<sup>2</sup>, Takayo Kawakami<sup>2</sup>  
<sup>1</sup> Department of Nutritional Science, Graduate School of Health and Welfare Science, Okayama Prefectural University, Japan, <sup>2</sup> Department of Nutritional Science, Okayama Prefectural University, Japan

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**15:30-16:30 Poster Session: Nutrition Education and Nutrition Through Life Course**

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**PS-5-1 A Key To Japanese People's Longevity**  
Masumi Marie Akisawa  
*Beauty Needs Ltd., Japan*

**PS-5-2 The Relationship between Recognizing the Importance of Nutrition Teachers' Duties and the Implementation of their Duties**  
Tomoko Kimura<sup>1</sup>, Mituru Tutida<sup>2</sup>  
<sup>1</sup>Faculty of Wellness, Shigakkan University, Japan, <sup>2</sup>The Graduate Center of Human Sciences, Aichi Mizuho College, Japan

**PS-5-3 Investigating the Validity of AI-based Dietary Recording Method**  
Akiko Sunto<sup>1</sup>, Miki Nakanishi<sup>1</sup>, Ayaka Iida<sup>1</sup>, Kiyoharu Aizawa<sup>2</sup>, Shihoko Suzuki<sup>1</sup>  
<sup>1</sup>The School of Nutrition & Dietetics, Kanagawa University of Human Services, Japan, <sup>2</sup>Graduate School of Information Science and Technology, The University of Tokyo, Japan

**PS-5-4 Results of Continuous Dietary Education over Three Years of Elementary School in Collaboration between Nutrition Teacher and Homeroom Teachers**  
Keisuke Oba  
*Yokohama City Makado Elementary School, Japan*

**PS-5-6 The Urinary Excretion of Magnesium As an Effective Indicator to Assess Magnesium Deficiency State**  
Hinata Okamoto, Yuka Kawakami, Hidekazu Arai  
*Laboratory of Clinical Nutrition and Management, Graduate Division of Nutritional and Environmental Sciences, and Graduate School of Integrated Pharmaceutical and Nutritional Sciences, The University of Shizuoka, Japan*

**PS-5-7 Relationship between Female Senior High School Baseball Members' Somatotype Recognition and Food Awareness**  
Masaki Okada, Natsuko Sogabe, Takako Kozawa  
*Department of Health and Nutrition Sciences, Faculty of Human Health, Komazawa Women's University, Japan*

**PS-5-8 Factors Affecting Dietary Diversity among Women of Reproductive Age in the Provinces of Samar, Northern Samar and Zamboanga del Norte: A Cross-Sectional Study**  
Cherry M. Maramag<sup>1</sup>, Mary Christine C. Castro<sup>1</sup>, Mae Anne P. Loresco<sup>1</sup>, Maria Evelyn Carpio<sup>2</sup>, Pete John Biscarra<sup>2</sup>, Alice Nkoroi<sup>2</sup>  
<sup>1</sup>Research and Program Unit, Nutrition Center of the Philippines, Philippines, <sup>2</sup>Health and Nutrition Division, UNICEF Philippines, Philippines

**PS-5-9 The Self-Appearance with the Image-Based SNS May Increase the Risk of Eating Disorder in Japanese Female University Students of the Registered Dietitian Course**  
Saeko Imai, Ayano Fujii, Kaoru Kitta, Takashi Miyawaki  
*Food and Nutrition, Kyoto Women's University, Japan*

**PS-5-10 Effects of Body Composition, Eating Habits, and Childhood Physical Characteristics on Blood Glucose Fluctuations in Young Japanese Women**  
Aiko Honda<sup>1,2</sup>, Hanako Kamata<sup>1</sup>, Kaho Nishikawa<sup>1</sup>, Tamaki Wada<sup>1</sup>, Yuka Yoneda<sup>1</sup>, Tatsushi Komatsu<sup>1</sup>  
<sup>1</sup>Department of Food Science and Nutrition, Doshisha Women's College of Liberal Arts, Japan, <sup>2</sup>Unit of Dietetics, Honda Clinic, Japan

# Programs

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- PS-5-11 Comparison of Sleep Quality and Eating Habits between College Female Athletes and Non-athletes**  
Fumi Hoshino<sup>1</sup>, Hiromi Inaba<sup>1,2</sup>, Mutsuaki Edama<sup>2,3</sup>, Go Omori<sup>2,4</sup>  
*<sup>1</sup>Department of Health and Nutrition, Niigata University of Health and Welfare, Japan, <sup>2</sup>Athlete Support Research Center, Niigata University of Health and Welfare, Japan, <sup>3</sup>Institute for Human Movement and Medical Sciences, Niigata University of Health and Welfare, Japan, <sup>4</sup>Department of Health and Sports, Niigata University of Health and Welfare, Japan*
- PS-5-12 Changes to the Status of the Dietary Education Efforts of Nutrition Teachers and Schoolteachers Before and After the Dietary Education Promotion Project in Elementary and Junior High Schools**  
Maiko Iwabe<sup>1</sup>, Masae Yamagiwa<sup>2</sup>, Izumi Oogusa<sup>3</sup>, Mao Yamamoto<sup>4</sup>, Masaki Chiba<sup>1</sup>  
*<sup>1</sup>Faculty of Health Sciences, Department of Nutrition, Sapporo University of Health Sciences, Japan, <sup>2</sup>Bureau of School Education, School Health and Athletics Division, Hokkaido Office of Education, Japan, <sup>3</sup>Obihiro Oozora Junior High School, Japan, <sup>4</sup>Obihiro Sakae Elementary School, Japan*
- PS-5-13 Factual Investigation on the Eating-related Problems in All Kindergartens of Shirayuri Gakuen**  
Shiori Sugawara<sup>1</sup>, Kumiko Dobashi<sup>2</sup>, Yayoi Shikimachi<sup>3</sup>, Yumiko Yamamoto<sup>4</sup>, Yuchie Hoshina<sup>5</sup>, Kikuko Nito<sup>6</sup>  
*<sup>1</sup>Department of Health and Nutrition, Sendai Shirayuri Womens College, Japan, <sup>2</sup>Department of Child Care and Primary Education, Shirayuri University, Japan, <sup>3</sup>Shonan Shirayuri Gakuen Kindergarten, Shirayuri Gakuen Kindergarten, Japan, <sup>4</sup>Yatsushiro Shirayuri Gakuen Kindergarten, Shirayuri Gakuen Kindergarten, Japan, <sup>5</sup>Agricultural and Environmental Sciences, Miyagi University, Japan, <sup>6</sup>Department of Human Developmental Science, Sendai Shirayuri Womens College, Japan*
- PS-5-14 Thinking about the Future of Rice with Students**  
Mayumi Uekusa  
*Yatsu Elementary School, Japan*
- PS-5-15 Attempt at Surface Area Measurement of a “3·1·2 Meal Box Magic Method” -Using Electronic Devices-**  
Junko Ishida<sup>1</sup>, Natsuhi Hirata<sup>1</sup>, Yuriko Abe<sup>2</sup>, Ai Asano<sup>2</sup>, Teppei Matsuoka<sup>2</sup>  
*<sup>1</sup>Department of Food and Nutritional Environment, College of Human Life and Environment, Kinjo Gakuin University, Japan, <sup>2</sup>Sunshine M and D Clinic, Taiseikai Medical Corporation, Japan*
- PS-5-16 Estimation of Daily Energy Consumption by Athletes with Cervical Cord / Spinal Cord Injury Based on an Approximate Formula Obtained from the Amount of Activity (VM) and Oxygen Consumption (VO<sub>2</sub>) while Moving in a Wheelchair**  
Kimiko Ogawa<sup>1,2</sup>, Tomoyuki Ito<sup>3</sup>, Yoshihiro Kanata<sup>4</sup>, Takuya Yoshida<sup>5</sup>, Ryo Ito<sup>5</sup>, Tatsushi Komatsu<sup>1</sup>  
*<sup>1</sup>Graduate School of Human Life and Science, Doshisha Women's College of Liberal Arts, Japan, <sup>2</sup>Department of Clinical Nutrition, Kyoto Tanabe Chuo Hospital, Japan, <sup>3</sup>Department of Rehabilitation, University Hospital, Kyoto Prefectural University of Medicine, Japan, <sup>4</sup>Hyogo College of Medicine Rehabilitation Center, College Hospital Sasayama, Japan, <sup>5</sup>Department of Rehabilitation, Kyoto Tanabe Kinen Hospital, Japan*
- PS-5-17 Evaluation of Nutrition Education Media by Adults in Cambodia and Japan – Examining the Potential of Online Nutrition Education Across Borders –**  
Kaori Akiyama<sup>1</sup>, Hiroko Oji<sup>2</sup>, Koung Ry Ly<sup>3</sup>, Yukino Sasaki<sup>1</sup>, Saiko Shikanai<sup>1</sup>  
*<sup>1</sup>Nutrition, Aomori University of Health and Welfare, Japan, <sup>2</sup>NPO, Num Popok, Colombia, <sup>3</sup>NGO, Asian Nutrition and Food Research Center, Cambodia*
- PS-5-18 The Relationship between Health Literacy and Sugar Intake in the United States of America and Japan**  
Hina Tomita<sup>1</sup>, Kazuo Tsutsui<sup>2</sup>, Shiori Fukuda-Tatano<sup>1</sup>, Hiroshi Tatano<sup>1</sup>, Mie Imanaka<sup>1</sup>  
*<sup>1</sup>Department of Health and Nutrition, Faculty of Nursing and Nutrition, The University of Shimane, Japan, <sup>2</sup>Contributor, US, USA*
- PS-5-19 A Study on a Nutrition Education of Vegetable Intake to children in A Free School, Phnom Penh, Cambodia**  
Risako Okuyama<sup>1,3</sup>, Hiroko Oji<sup>2</sup>, Saiko Shikanai<sup>3</sup>  
*<sup>1</sup>Sports and Health, Aomori Prefectural Board of Education, Japan, <sup>2</sup>NPO, Num Popok, Cambodia, <sup>3</sup>Nutrition, Aomori University of Health and Welfare, Japan*

# Programs

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**PS-5-20 Fostering Children to Eat Vegetables Voluntarily**

Mutsumi M. Kondo

*Nutrition, Toyoyama Junior High School, Japan*

**PS-5-22 Relationship between Dietary Self-efficacy and Dietary Habits in Female College Students**

Kae Inagaki

*Department of Nutrition Science, University of Nagasaki, Japan*

**PS-5-23 Relationship between the Oral Function and Nutritional Factors in Community-dwelling Older Adults**

Chiharu Uno, Kiwako Okada, Eiji Matsushita

*School of Nutritional Sciences, Nagoya University of Arts and Sciences, Japan*

**PS-5-24 A Study on Changes in Eating Behaviors of Young People During the Self-restraint by COVID-19 Pandemic**

Kaori Mizumoto<sup>1</sup>, Ayano Zushi<sup>2</sup>, Izumi Yanagida<sup>3</sup>

<sup>1</sup>*Food Management, Nakamura Gakuen University, Japan,* <sup>2</sup>*Fukuoka Branch, Link Academy Inc., Japan,*

<sup>3</sup>*Fukuoka Branch, Peace-Biz Inc., Japan*

# Programs

August 20 (Sat)

## Exhibition Hall D

### 10:00-11:00 Poster Session: Clinical Nutrition

- PS-6-2 Dietary Changes Induced by Dietitian Intervention in Patients with Type 2 Diabetes: A Randomized Controlled Trial**  
Nao Kawabata<sup>1</sup>, Kenta Okada<sup>2</sup>, Akihiko Ando<sup>2</sup>, Tomoyuki Kurashina<sup>2</sup>, Manabu Takahashi<sup>2</sup>, Tetsuji Wakabayashi<sup>2</sup>, Daisuke Nagata<sup>3</sup>, Eiji Kusano<sup>3</sup>, Satsuki Mogi<sup>1</sup>, Toshiko Sato<sup>1</sup>, Shizukiyo Ishikawa<sup>4</sup>, Shun Ishibashi<sup>1,2</sup>  
*<sup>1</sup>Department of Clinical Nutrition, Jichi Medical University Hospital, Japan, <sup>2</sup>Division of Endocrinology and Metabolism, Department of Internal Medicine, Jichi Medical University, Japan, <sup>3</sup>Division of Nephrology, Department of Internal Medicine, Jichi Medical University, Japan, <sup>4</sup>Medical Education Center, Jichi Medical University, Japan*
- PS-6-3 How Much Carb Counting Is Done By Children Who Participated in the Pediatric Type 1 Diabetes Summer Camp**  
Hiroyuki Horio, Hikari Miyahara, Kanna Nakai, Manami Mitsushima, Ikuho Suzuki, Nazuna Konishi, Sayaka Yamakoshi  
*School of Health and Nutrition Department of Nutrition, Tokai Gakuen University, Japan*
- PS-6-4 Effect of Whey Protein Intake after Resistance Exercise on Skeletal Muscle Mass, Strength, and Quality of Life in Older Adults with Sarcopenia: A Randomized Controlled Trial**  
Hiroyasu Mori<sup>1</sup>, Yasunobu Tokuda<sup>2,3</sup>  
*<sup>1</sup>Institute of Advanced Medical Sciences, Tokushima University, Japan, <sup>2</sup>Health Science, Hyogo Locomotion-senior-tera-koya, Japan, <sup>3</sup>Health Science, Hyogo University, Japan*
- PS-6-5 The Analysis of Mortality Age between Smoker and Non-smoker Male from Diabetes Mellitus and the Importance for the Smoking Cessation with Nutrition Counseling**  
Chikako Hibino, Kazue Sugawara, Rumi Takahashi, Kayoko Abe, Hiroshi Tamura  
*Internal Medicine, Hiroshi Tamura's Hill-top Clinic, Japan*
- PS-6-6 Examination of the Effect of Age Difference of Japanese Women on Arteriosclerosis Risk**  
Chisato Hirai<sup>1,2</sup>, Keiko Kamachi<sup>2</sup>, Akira Tanaka<sup>2</sup>, Yasuo Kagawa<sup>2</sup>  
*<sup>1</sup>Department of Food and Nutrition, Odawara Junior College, Japan, <sup>2</sup>Kagawa Education Institute of Nutrition, Kagawa Nutrition University, Japan*
- PS-6-7 Involvement of Body Adiposity in 5- and 10-Year Survival of Patients on Maintenance Hemodialysis**  
Toshie Osato  
*Dietitian Nutrition, Date-clinic, Japan*
- PS-6-8 Effect of Dietary Therapy on Patients with Asymptomatic Hyperuricemia**  
Yuka Kawakami, Hidekazu Arai  
*Laboratory of Clinical Nutrition and Management, Graduate Division of Nutritional and Environmental Sciences, and Graduate School of Integrated Pharmaceutical and Nutritional Sciences, The University of Shizuoka, Japan*
- PS-6-9 Longitudinal Relationship of Dietary Diversity with Incidence and Mortality of Ischemic Heart Disease – A Global Ecological Study**  
Keiko Miyamoto<sup>1,2</sup>, Ayako Sezaki<sup>3,4</sup>, Tomoko Imai<sup>1,5</sup>, Fumiya Kawase<sup>3,6</sup>, Yoshiro Shirai<sup>1,7</sup>, Chisato Abe<sup>1,8</sup>, Masayo Sanada<sup>3,9</sup>, Ayaka Inden<sup>3,10</sup>, Takumi Kato<sup>1,11</sup>, Norie Sugihara<sup>12</sup>, Hiroshi Shimokata<sup>1,3</sup>  
*<sup>1</sup>Institute of Health and Nutrition, Nagoya University of Arts and Sciences, Japan, <sup>2</sup>Department of Nursing, Nagoya University of Arts and Sciences, Japan, <sup>3</sup>Graduate School of Nutritional Science, Nagoya University of Arts and Sciences, Japan, <sup>4</sup>Department of Food Sciences and Human Nutrition, Ryukoku University, Japan, <sup>5</sup>Department of Food Science and Nutrition, Doshisha Womens College of Liberal Arts, Japan, <sup>6</sup>Department of Nutrition, Asume Hospital Aichi Prefectural Welfare Federation of Agricultural Cooperatives, Japan, <sup>7</sup>Department of Food and Nutritional Environment, Kinjo Gakuin University, Japan, <sup>8</sup>Department of Food and Nutrition, Tsu City College, Japan, <sup>9</sup>Department of Nursing, Heisei College of Health Sciences, Japan, <sup>10</sup>Clinical Nutrition Unit, Hamamatsu University Hospital Clinical Nutrition Unit, Japan, <sup>11</sup>Nutrition Division, Japanese Red Cross Aichi Medical Center Nagoya Daini Hospital, Japan, <sup>12</sup>Faculty of Core Research, Ochanomizu University, Japan*

# Programs

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- PS-6-10 Association Between Zinc Intake and Chronic Obstructive Pulmonary Disease (COPD) - a 29-year International Comparative Study**  
Toshie Honda, Hiroshi Shimokata  
*Graduate School of Nutritional Science, Nagoya University of Arts and Sciences, Japan*
- PS-6-13 Medium-chain Triglycerides (8:0 and 10:0) are Promising Nutrients for Sarcopenia: A Randomized Controlled Trial**  
Sakiko Abe  
*Department of Food and Nutrition, Faculty of Contemporary Human Life Science, Tezukayama University, Japan*
- PS-6-14 Investigation of Dietary Problems from the Viewpoint of Dietary Guidance Records and the Physical Characteristics**  
Yuka Awata, Maki Nishi, Shuhei Hashimoto, Momoko Chikugo, Shizue Yamada, Yoshiko Suzuki, Hiroshi Sakaue  
*Department of Nutrition, Tokushima University Hospital, Japan*
- PS-6-16 Effect of Dietary Oligopeptide Iron on Liver Injury and Intestinal Flora in Rats with Iron Deficiency Anemia**  
Wenfei Pan<sup>1</sup>, He Gao<sup>2</sup>, Mengying Wang<sup>3</sup>, Xiaoling Ying<sup>1</sup>, Feiyan Wu<sup>1</sup>, Jili Chen<sup>1</sup>, Yang Min<sup>1</sup>  
*<sup>1</sup>Department of Nutrition and Food Hygiene School of Public Health, and Center of Clinical Big Data and Analytics of The Second Affiliated Hospital, Zhejiang University School of Medicine, China, <sup>2</sup>Linping Campus, The Second Affiliated Hospital, Zhejiang University School of Medicine, China, <sup>3</sup>Department of Big Data in Health Science, School of Public Health, Zhejiang University, China*
- PS-6-18 Early Palliative Care Focus on Nutritional Status in Patients with Non-Small-Cell Lung Cancer: A Randomised Controlled Trial in Southwest China**  
Mengting Chen<sup>1</sup>, Huiqing Yu<sup>2,1</sup>, Huijuan Yu<sup>3</sup>  
*<sup>1</sup>Department of Nutrition, Chongqing University Cancer Hospital, China, <sup>2</sup>Department of Palliative Care, Chongqing University Cancer Hospital, China, <sup>3</sup>College of Arts, Chongqing University, China*
- PS-6-19 Gut Microbiota Mediates the Protective Effects of Resveratrol against the Intestinal Barrier Dysfunction in Non-alcoholic Steatohepatitis Induced by High-Fat Diet**  
Mengting Chen, Huiqing Yu  
*Department of Nutrition, Chongqing University Cancer Hospital, China*
- PS-6-20 Efficacy of NST Intervention Using KTBC® in our Department of Neurology**  
Sota Ishii<sup>1</sup>, Akiko Sato<sup>1</sup>, Yuko Muto<sup>1</sup>, Masako Fujita<sup>1</sup>, Mieko Watanabe<sup>1</sup>, Miori Endo<sup>1</sup>, Kyoko Suzuki<sup>1</sup>, Tamami Koyama<sup>2</sup>, Yoshinori Ishida<sup>3</sup>  
*<sup>1</sup>Nutrition Management, Takeda General Hospital, Japan, <sup>2</sup>Kutikara Taberu Shiawase wo Mamorukai, Japan, <sup>3</sup>Neurology, Takeda General Hospital, Japan*
- PS-6-23 Proportion of Patient at Nutritional Risk and the Practice of Nutrition Care by Registered Dietitians in the Acute Care Ward of General Hospitals**  
Ikuko Gomi<sup>1</sup>, Risa Fukuoka<sup>1</sup>, Mari Saida<sup>2</sup>, Takehiro Kudo<sup>2</sup>, Machi Hoshiya<sup>3</sup>, Miho Sasaki<sup>4</sup>, Yuki Karaki<sup>5</sup>, Tomoko Shimizu<sup>6</sup>, Tomoko Miyaji<sup>7</sup>, Ishak Halim Octawijaya<sup>1</sup>, Shihoko Suzuki<sup>1</sup>, Teiji Nakamura<sup>1</sup>  
*<sup>1</sup>School of Nutrition and Dietetics, Kanagawa University of Human Services, Japan, <sup>2</sup>Department of Clinical Nutrition and Food Management, Saiseikai Yokohamashi Tobu Hospital, Japan, <sup>3</sup>Department of Nutrition and Dietetics, Yokohama Shin-midori General Hospital, Japan, <sup>4</sup>Department of Nutrition and Dietetics, Yokohama Asahi Central General Hospital, Japan, <sup>5</sup>Department of Nutrition and Diet, Kamishirane Medical Hospital, Japan, <sup>6</sup>Department of Nutrition and Dietetics, St. Marianna Medical University Yokohama Seibu Hospital, Japan, <sup>7</sup>Department of Nutrition, Minamiyamato Hospital, Japan*
- PS-6-24 Effects of Multiple Nutrition Consultations on Diet Compliance, Body Weight and eGFR Progression in Outpatients with Stage 3, 4 and 5 Chronic Kidney Disease: A Retrospective Single-Center Cohort Study**  
Yu-Lin Chen, Che-Lin Chiu, Mei-Fang Yang  
*Dietetics and Nutrition Department, Taipei Veterans General Hospital, Taiwan*



# Programs

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**PS-6-25 Food Group Intake and Central Obesity among Japanese Patients with Type 2 Diabetes Mellitus; JDDM**

Mariko Hatta<sup>1,2</sup>, Chika Horikawa<sup>3,1</sup>, Yasunaga Takeda<sup>1</sup>, Izumi Ikeda<sup>1</sup>, Sakiko Yoshizawa<sup>4,1</sup>, Noriko Kato<sup>5</sup>, Mitsutoshi Kato<sup>5</sup>, Hiroki Yokoyama<sup>6</sup>, Yoshio Kurihara<sup>7</sup>, Hiroshi Maegawa<sup>8</sup>, Kazuya Fujihara<sup>1</sup>, Hirohito Sone<sup>1</sup>

<sup>1</sup>Department of Hematology, Endocrinology and Metabolism, Niigata University Faculty of Medicine, Japan,

<sup>2</sup>Department of Nutrition, Saiseikai Niigata Hospital, Japan, <sup>3</sup>Department of Health and Nutrition, University of Niigata Prefecture Faculty of Human Life Studies, Japan, <sup>4</sup>Department of Human Life Science, Tokushima Bunri University, Japan, <sup>5</sup>Department of Internal Medicine, Kato Clinic of Internal Medicine, Japan, <sup>6</sup>Department of Internal Medicine, Jiyugaoka Medical Clinic, Japan, <sup>7</sup>Department of Internal Medicine, Kurihara Clinic, Japan, <sup>8</sup>Department of Medicine, Shiga University of Medical Science, Japan

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**11:00-12:00 Poster Session: Clinical Nutrition**

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**PS-7-1 Texture-Modified Diets Need to Be Improved in Vietnamese Hospitals**

Thao Phuong Tran<sup>1</sup>, Linh Thuy Nguyen<sup>2</sup>, Keiko Hirose<sup>1</sup>, Shigeru Yamamoto<sup>1</sup>

<sup>1</sup>Asian Nutrition and Food Culture Research Center, Jumonji University, Japan, <sup>2</sup>Nutrition Department, Hanoi Medical University and Hanoi Medical University Hospital, Viet Nam

**PS-7-2 Decreasing Salt in Hospital Meals Reduced Energy Intake in Elderly Japanese Inpatients**

Keiko Hirose, Thao Phuong Tran, Shigeru Yamamoto

Asian Nutrition and Food Culture Research Center, Jumonji University, Japan

**PS-7-3 Variation of Urine Collection Timing on Estimation of Dietary Salt Intake in Spot Urine Samples**

Yuta Sumikama<sup>1</sup>, Hiroshige Aoyama<sup>2</sup>, Norifumi Isu<sup>3</sup>, Masaaki Nagata<sup>2</sup>, Takayoshi Tsukahara<sup>1</sup>

<sup>1</sup>Nutritional Sciences, Graduate School of Nutritional Sciences, Nagoya University of Arts and Sciences, Japan,

<sup>2</sup>Design & Advanced Technology Center, LIXIL Corporation, Japan, <sup>3</sup>Technology Innovation Division, LIXIL Corporation, Japan

**PS-7-4 Japanese Fermented Rice Malt Beverage Alleviates Constipation Symptoms in Patients with Severe Motor and Intellectual Disabilities**

Suzumi Kageyama<sup>1</sup>, Rikako Inoue<sup>2</sup>, Tomo Suka<sup>3</sup>, Yoshihiro Kurohashi<sup>3</sup>, Kazuaki Teramoto<sup>3</sup>, Makoto Ayabe<sup>4</sup>, Haruka Sakaue<sup>5</sup>, Miki Doi<sup>1</sup>, A. Yasmin Syauki<sup>1</sup>, Yasuyuki Irie<sup>2</sup>

<sup>1</sup>Doctorate Course of Health and Welfare Science, Graduate School of Health and Welfare Science, Okayama Prefectural University, Japan, <sup>2</sup>Department of Nutritional Science, Faculty of Health and Welfare Science, Okayama Prefectural University, Japan, <sup>3</sup>Department of Rehabilitation, Kishu Rehabilitation Visiting Care Station, Japan, <sup>4</sup>Department of Human Information Engineering, Faculty of Computer Science and Systems Engineering, Okayama Prefectural University, Japan, <sup>5</sup>Master's Course of Health and Welfare Science, Graduate School of Health and Welfare Science, Okayama Prefectural University, Japan

**PS-7-5 The Assessment of Malnutrition, Quality of Life and Its Relationship among Older Persons: A Scoping Review**

Nur Kamilah Mohd Fauzy<sup>1</sup>, Sakinah Harith<sup>2</sup>, Wan Rohani Wan Taib<sup>2</sup>, Rosliza Yahaya<sup>3</sup>

<sup>1</sup>Faculty of Health Sciences, Universiti Sultan Zainal Abidin, Malaysia, <sup>2</sup>Faculty of Health Sciences, Universiti Sultan Zainal Abidin, Malaysia, <sup>3</sup>Faculty of Medicine, Universiti Sultan Zainal Abidin, Malaysia

**PS-7-6 Acute Effect of Formulated Melon Manis Terengganu (MMT) Peel Powder on Glycemic Response and Satiety in Adults at Risk of Type 2 Diabetes**

Ying Qian Ong<sup>1</sup>, Sakinah Harith<sup>1</sup>, Mohd Razif Shahril<sup>3</sup>, Norshazila Shahidan<sup>2</sup>, Hermizi Hapidin<sup>4</sup>

<sup>1</sup>School of Nutrition and Dietetics, Faculty of Health Sciences, Universiti Sultan Zainal Abidin, Gong Badak Campus, Malaysia, <sup>2</sup>School of Food Industry, Faculty of Bioresources and Food Industry, Universiti Sultan Zainal Abidin, Besut Campus, Malaysia, <sup>3</sup>Nutrition Program, Center for Healthy Ageing and Wellness, Faculty of Health Sciences, Universiti Kebangsaan Malaysia, Kuala Lumpur Campus, Malaysia, <sup>4</sup>Biomedicine Programme, School of Health Sciences, Universiti Sains Malaysia, Health Campus, Malaysia

# Programs

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- PS-7-7 Low Dietary Variety and Diabetes Mellitus Are Associated with Frailty among Community-Dwelling Older Japanese Adults: A Cross-Sectional Study**  
Misato Hayakawa<sup>1</sup>, Keiko Motokawa<sup>2</sup>, Yurie Mikami<sup>2</sup>, Maki Shirobe<sup>3</sup>, Ayako Edhiro<sup>2</sup>, Masanori Iwasaki<sup>2</sup>, Yuki Ohara<sup>2</sup>, Yutaka Watanabe<sup>4</sup>, Hisashi Kawai<sup>5</sup>, Motonaga Kojima<sup>5</sup>, Shuichi Obuchi<sup>5</sup>, Yoshinori Fujiwara<sup>1,3,6</sup>, Hunkyung Kim<sup>2</sup>, Kazushige Ihara<sup>7</sup>, Hiroki Inagaki<sup>2</sup>, Shoji Shinkai<sup>8</sup>, Shuichi Awata<sup>1</sup>, Atsushi Araki<sup>9</sup>, Hirohiko Hirano<sup>2</sup>  
*<sup>1</sup>Integrated Research Initiative for Living Well with Dementia, Tokyo Metropolitan Institute of Gerontology, Japan, <sup>2</sup>Research Team for Promoting Independence and Mental Health, Tokyo Metropolitan Institute of Gerontology, Japan, <sup>3</sup>The Tokyo Metropolitan Support Center for Preventative Long-term and Frail Elderly Care, Tokyo Metropolitan Institute of Gerontology, Japan, <sup>4</sup>Gerodontology, Department of Oral Health Science, Faculty of Dental Medicine, Hokkaido University, Japan, <sup>5</sup>Research Team for Human Care, Tokyo Metropolitan Institute of Gerontology, Japan, <sup>6</sup>Research Team for Social Participation and Community Health, Tokyo Metropolitan Institute of Gerontology, Japan, <sup>7</sup>Graduate School of Medicine, Hirosaki University, Japan, <sup>8</sup>Graduate School of Nutrition and Health Science, Kagawa Nutrition University, Japan, <sup>9</sup>Department of Diabetes, Metabolism, and Endocrinology, Tokyo Metropolitan Geriatric Hospital, Japan*
- PS-7-8 Associations between Dietary Habits and Risk of Colorectal Cancer: A Mendelian Randomization Study**  
Yunyang Deng<sup>1</sup>, Junjie Huang<sup>1</sup>, Martin Chi Sang Wong<sup>1,2,3</sup>  
*<sup>1</sup>The Jockey Club School of Public Health and Primary Care, Faculty of Medicine, The Chinese University of Hong Kong, Hong Kong, <sup>2</sup>School of Public Health, The Chinese Academy of Medical Sciences and the Peking Union Medical College, China, <sup>3</sup>School of Public Health, Peking University, China*
- PS-7-9 Effects of Nutrition Counseling Twice on Weight Changes in Patients with Head and Neck Cancer Undergoing Concurrent Chemoradiotherapy: Comparison between Nasopharyngeal Cancer and Non- nasopharyngeal Cancer**  
Tzu-Yi Chang, Che-Lin Chiu, Mei-Fang Yang  
*Dietetics and Nutrition, Taipei Veterans General Hospital, Taiwan*
- PS-7-10 Mastication by Chewing with Gum Increases the Glucagon-like Peptide 1 (GLP-1) Secretion after the Meal Test in Healthy Adult Women**  
Yuki Kurioka<sup>1</sup>, Yukie Yanagisawa<sup>1</sup>, Toshio Hosaka<sup>2</sup>, Natsuki Yoshimura<sup>2</sup>, Tetsunori Ozaki<sup>3</sup>, Makiko Ogawa<sup>4</sup>, Atsuko Kitahara<sup>4</sup>  
*<sup>1</sup>Department of Health and Nutrition, Wayo Women's University, Japan, <sup>2</sup>Laboratory of Clinical Nutrition, School of Food and Nutritional Sciences, University of Shizuoka, Japan, <sup>3</sup>School of Dentistry, Nihon University, Japan, <sup>4</sup>Food Science and Nutrition, College of Futaba Nutrition, Japan*
- PS-7-11 Compare of Predictive Equations Versus Indirect Calorimetry for the Evaluation of Energy Expenditure in Head and Neck Cancer Patients**  
Li-Xia Tong  
*Division of Dietetics & Nutrition, Hualien Tzu Chi Hospital, Taiwan*
- PS-7-13 Nutrition Improvement of Pediatric Cancer Patients through Hospital Meals in Cambodia**  
Ayana Ueda<sup>1</sup>, Kawai Natsuki<sup>1</sup>, Putheara Lon<sup>1</sup>, Kojiro Maiko<sup>1</sup>, Sato Sho<sup>1</sup>, Wada Shusei<sup>1</sup>, Shinkai Kenji<sup>2</sup>, Kondo Eriko<sup>2</sup>  
*<sup>1</sup>Children's Medical Center, NPO Japan Heart, Cambodia, <sup>2</sup>The Ajinomoto Foundation, Japan*
- PS-7-14 Nutritional Status and Nutritional Practice of Cirrhotic Patients at Hanoi Medical University Hospital, 2020**  
Trang Thu Nguyen<sup>1,2</sup>, Linh Thuy Nguyen<sup>2</sup>, Shigeru Yamamoto<sup>1</sup>  
*<sup>1</sup>Department of Food and Nutrition, Jumonji University, Japan, <sup>2</sup>Department of Nutrition and Food Safety, Hanoi Medical University, Viet Nam*
- PS-7-15 Effects of Dietary Intervention and Monthly Follow Up in Gastric Carcinoma Patients with Subtotal Gastrectomy**  
Tzu Yun Chu  
*Division of Clinical Nutrition, Department of Dietetics & Nutrition, Taipei Veterans General Hospital, Taiwan*
- PS-7-17 The Occurrence of Gastroesophageal Reflux Differs Depending on the Type of Thickener for the Semi-solidified Enteral Nutrients**  
Yukiko Sumida, Yuichiro Takei, Hiroyuki Watanabe, Takashi Murakami  
*Faculty of Nutrition, University of Kochi, Japan*

# Programs

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- PS-7-18 Sarcopenia Is a Concern in Community-dwelling, Late-aged Older Adults**  
Toru Nagai<sup>1</sup>, Kunihiko Sakai<sup>2</sup>, Yasuharu Saito<sup>3</sup>  
<sup>1</sup> Department of Health and Nutrition, Niigata University of Health and Welfare, Japan, <sup>2</sup>Department of Internal Medicine, Niigata Rinko Hospital, Japan, <sup>3</sup>Department of Internal Medicine, Comprehensive Rehabilitation Center Midori Hospital, Japan
- PS-7-19 Sustainable Meal Support for Patients with Heart Failure Living Alone**  
Minako Yamaguchi, Yumiko Nakagawa  
Nutrition Section, Kyoto Min-iren Asukai Hospital, Japan
- PS-7-21 Efficacy of Nutritional Treatment in Patients with Lupus Nephritis Complicated Cerebral Infarction: A Case Report**  
Jing Liu  
Department of Nutrition, Lu'an Nutrition Society, China
- PS-7-22 Lactobacillus Metabolites Relieves the Rash and Diarrhea Induced by EGFR TKI: Two Case Reports and Literature Review**  
Liejun Yang<sup>2</sup>, Huiqing Yu<sup>2</sup>, Mengting Chen<sup>1</sup>  
<sup>1</sup>Department of Nutrition, Chongqing University Cancer Hospital, China, <sup>2</sup>Department of Palliative Care, Chongqing University Cancer Hospital, China
- PS-7-23 Nutritional Status Assessment for Patients with Common Cancer in a Cancer Hospital of Southwest China**  
Haoyang Cao<sup>1</sup>, Mengting Chen<sup>1</sup>, Huiqing Yu<sup>2</sup>  
<sup>1</sup>Department of Nutrition, Chongqing University Cancer Hospital, China, <sup>2</sup>Department of Palliative Care, Chongqing University Cancer Hospital, China
- PS-7-24 Lactobacillus Metabolites Relieves the Reactive Cutaneouscapillary Endothelial Proliferation (RCCEP) Induced by Checkpoint Inhibitors: A Case Report and Review of Literature**  
Shihong Liu<sup>2</sup>, Mengting Chen<sup>1</sup>, Huiqing Yu<sup>2</sup>  
<sup>1</sup>Department of Nutrition, Chongqing University Cancer Hospital, China, <sup>2</sup>Department of Palliative Care, Chongqing University Cancer Hospital, China

## 12:00-13:00 Poster Session: Clinical Nutrition

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- PS-8-1 Effect of Body Composition on Resting Energy Expenditure in Older Hospitalized Patients of Internal Medicine: A Cross-Sectional Study**  
Fumiya Kawase<sup>1,2</sup>, Yoshiyuki Masaki<sup>3,4</sup>, Hiroko Ozawa<sup>5</sup>, Manami Imanaka<sup>5</sup>, Aoi Sugiyama<sup>5</sup>, Hironari Wada<sup>6</sup>, Shinya Kobayashi<sup>3</sup>, Takayoshi Tsukahara<sup>2</sup>  
<sup>1</sup>Department of Nutrition, Asuke Hospital Aichi Prefectural Welfare Federation of Agricultural Cooperatives, Japan, <sup>2</sup>Graduate School of Nutritional Science, Nagoya University of Arts and Sciences, Japan, <sup>3</sup>Department of Internal Medicine, Asuke Hospital Aichi Prefectural Welfare Federation of Agricultural Cooperatives, Japan, <sup>4</sup>Department of Community-based Medical Education, Nagoya City University Graduate School of Medical Sciences, Japan, <sup>5</sup>Department of Nursing, Asuke Hospital Aichi Prefectural Welfare Federation of Agricultural Cooperatives, Japan, <sup>6</sup>Department of Rehabilitation Therapy, Asuke Hospital Aichi Prefectural Welfare Federation of Agricultural Cooperatives, Japan
- PS-8-2 Relationship between Blood Vitamin D Levels, Sun Exposure Time and Sunscreen Cosmetics**  
Masako Ebihara  
Health Screening and Health Guidance Section, Japan Agricultural Cooperatives, Japan
- PS-8-3 The Effects of Different Quantities and Qualities of Protein Intake in People with Diabetes Mellitus**  
Shiuchuan Huang, Yi-Chin Tang  
Department of Internal Medicine, Taipei City Hospital, Taiwan
- PS-8-4 Beneficial Effects of Synbiotics in Hemodialysis Patients with Poor Defecation Control**  
Mizuki Takeuchi<sup>1</sup>, Junko Nakamura<sup>2</sup>, Yumiko Saito<sup>3</sup>, Tatsuya Nakano<sup>3</sup>, Takahito Ito<sup>3</sup>  
<sup>1</sup>Department of Health and Nutrition, Niigata University of Health and Welfare, Japan, <sup>2</sup>Health Promotion Division, Health and Welfare Department, Tsubame City, Japan, <sup>3</sup>Kataguilli Medical Center, Japan

# Programs

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- PS-8-5 Effect of Sarcopenia on the Recovery of Swallowing Ability in Stroke Rehabilitation Patients: A Multicenter Cohort Study**  
Shinta Nishioka<sup>1</sup>, Ichiro Fujishima<sup>2</sup>, Masako Kishima<sup>3</sup>, Tomohisa Ohno<sup>4</sup>, Akio Shimizu<sup>5</sup>, Takashi Shigematsu<sup>2</sup>, Masataka Itoda<sup>6</sup>, Hidetaka Wakabayashi<sup>7</sup>, Kenjiro Kunieda<sup>2,8</sup>, Fumiko Ohshima<sup>9</sup>, Sumito Ogawa<sup>10</sup>, Kazuki Fukuma<sup>11</sup>, Nami Ogawa<sup>12</sup>, Jun Kayashita<sup>13</sup>, Minoru Yamada<sup>14</sup>, Takashi Mori<sup>15</sup>, Shinya Onizuka<sup>16</sup>  
*<sup>1</sup>Department of Clinical Nutrition and Food Service, Nagasaki Rehabilitation Hospital, Japan, <sup>2</sup>Department of Rehabilitation Medicine, Hamamatsu City Rehabilitation Hospital, Japan, <sup>3</sup>Department of Dentistry, Wakakusa-Tatsuma Rehabilitation Hospital, Japan, <sup>4</sup>Department of Dentistry, Hamamatsu City Rehabilitation Hospital, Japan, <sup>5</sup>Department of Nutrition, Hamamatsu City Rehabilitation Hospital, Japan, <sup>6</sup>Department of Oral Rehabilitation, Osaka Dental University Hospital, Japan, <sup>7</sup>Department of Rehabilitation Medicine, Tokyo Women's Medical University Hospital, Japan, <sup>8</sup>Department of Neurology, Gifu University Hospital, Japan, <sup>9</sup>Department of Rehabilitation Medicine, Japanese Red Cross Society Suwa Hospital, Japan, <sup>10</sup>Department of Geriatric Medicine, Graduate School of Medicine, The University of Tokyo, Japan, <sup>11</sup>Department of Neurology, National Cerebral and Cardiovascular Center, Japan, <sup>12</sup>Department of Dentistry, Sakaue Dental Office, Japan, <sup>13</sup>Department of Health Sciences, Prefectural University of Hiroshima, Japan, <sup>14</sup>Faculty of Human Sciences, University of Tsukuba, Japan, <sup>15</sup>Department of Oral and Maxillofacial Surgery, Southern Tohoku General Hospital, Japan, <sup>16</sup>Department of Rehabilitation Medicine, Nagasaki Rehabilitation Hospital, Japan*
- PS-8-6 Continuous Glucose Monitoring for Detection of Glycemic Variability, Hypoglycemia and Hyperglycemia in Women with Eating Disorders**  
Nao Uotani<sup>1</sup>, Shun'ichi Noma<sup>2</sup>, Momoko Akamine<sup>1</sup>, Takashi Miyawaki<sup>1</sup>  
*<sup>1</sup>Department of Living Environment, Food and Nutrition, Graduate School of Home Economics, Kyoto Women's University, Japan, <sup>2</sup>Psychosomatic Medicine, Psychiatry, Noma-Kokoro Clinic, Japan*
- PS-8-8 The Practice of Nutrition Care by Registered Dietitians in Acute Care Wards of an Advanced Treatment Hospital**  
Michi Shibata<sup>1</sup>, Ayaka Ito<sup>1</sup>, Risa Yoshikawa<sup>1</sup>, Misato Matsunuma<sup>1</sup>, Yuki Kamio<sup>1</sup>, Saaya Sasaki<sup>1</sup>, Yuka Yamaguchi<sup>1</sup>, Haruka Takai<sup>1</sup>, Atsuna Kogi<sup>1</sup>, Ikuko Gomi<sup>2</sup>, Risa Fukuoka<sup>2</sup>, Ryoko Higuchi<sup>2</sup>, Ishak Halim Octawijaya<sup>2</sup>, Shihoko Suzuki<sup>2</sup>, Teiji Nakamura<sup>2</sup>  
*<sup>1</sup>Department of Nutrition and Dietetics, St. Marianna University Hospital, Japan, <sup>2</sup>School of Nutrition and Dietetics, Kanagawa University of Human Services, Japan*
- PS-8-9 Resting Energy Expenditure in Children with Liver Disease**  
Junpei Hayashi<sup>1</sup>, Sachi Kuranuki<sup>2</sup>, Asami Fujitani<sup>3</sup>, Takahiro Kudo<sup>1</sup>, Ayano Inui<sup>4</sup>  
*<sup>1</sup>Department of Clinical Nutrition and Food Management, Saiseikai Yokohama-shi Tobu Hospital, Japan, <sup>2</sup>The School of Nutrition and Dietetics, Kanagawa University of Human Services, Japan, <sup>3</sup>College of Nursing and Nutrition, Shukutoku University, Japan, <sup>4</sup>Department of Pediatric Hepatology and Gastroenterology, Saiseikai Yokohama-shi Tobu Hospital, Japan*
- PS-8-10 Efficacy of the Low FODMAP Diet for Irritable Bowel Syndrome**  
Yoshiko Hattori<sup>1</sup>, Kinue Miyata<sup>1</sup>, Chiaki Izumi<sup>2</sup>, Masashi Hattori<sup>2</sup>  
*<sup>1</sup>Nutrition Department, Medical Corporation Yamashita Hospital, Japan, <sup>2</sup>Gastroenterology, Medical Corporation Yamashita Hospital, Japan*
- PS-8-11 Total Carbohydrate, Fibre, and Free Sugar Intake and Its Association with Blood Glucose and Insulin Levels in Adolescents (16-20 years) and Young Adults (21-25 years) in Mumbai, India**  
Jagmeet Madan  
*Department of Food Nutrition and Dietetics, Sir Vithaldas Thackersey College of Home Science (Autonomous) SNDT Women's University, Mumbai, India*
- PS-8-12 Nutritional Management of Elderly Patients with Fasting Orders**  
Tomomi Doi  
*Special Elderly Nursing Home Kemakirakuen, Social Welfare Corporation Kirakuen, Japan*
- PS-8-13 Using Digital Tablets to Document Nutritional Care for Patients with COVID-19**  
Maki Sugino<sup>1,2</sup>, Keisuke Iwabuchi<sup>3</sup>, Akiyo Shiohara<sup>4</sup>  
*<sup>1</sup>Department of Nutrition Management, International University of Health and Welfare MITA HOSPITAL, Japan, <sup>2</sup>Department of Nutrition Management, Kanagawa Prefectural Ashigarakami Hospital, Japan, <sup>3</sup>Department of General Medicine, Kanagawa Prefectural Ashigarakami Hospital, Japan, <sup>4</sup>Department of Nutrition and Health Sciences, Toyo University, Japan*

# Programs

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- PS-8-14 A Cross-sectional Survey on Nutrition Management in Healthcare Facilities in Hanoi, Viet Nam**  
Reimi Shono<sup>1</sup>, Teiji Nakamura<sup>3</sup>, Shinji Nakahara<sup>2</sup>, Ikuko Gomi<sup>5</sup>, Kenji Toyama<sup>6</sup>, Humiya Miyoshi<sup>7</sup>, An Quyen Tran<sup>4</sup>, Yuki Matsuno<sup>5</sup>, Huong Lan Thi Nguyen<sup>8,9</sup>, Linh Thuy Nguyen<sup>8,10</sup>, Phuong Thi Duong<sup>10</sup>, Hanh Bich Phan<sup>8</sup>, Huong Thi Le<sup>8,10,11</sup>  
*<sup>1</sup>School of Health Innovation Course of Master, Kanagawa University of Human Services Graduate School, Japan, <sup>2</sup>School of Health Innovation, Kanagawa University of Human Services Graduate School, Japan, <sup>3</sup>Kanagawa University of Human Services, Japan, <sup>4</sup>School of Health Innovation Course of Doctor, Kanagawa University of Human Services Graduate School, Japan, <sup>5</sup>Faculty of Health and Social Services School of Nutrition and Dietetics, Kanagawa University of Human Services, Japan, <sup>6</sup>Department of Food Science and Nutrition, Nara Womens University, Japan, <sup>7</sup>Department of Nutrition, NTT Medical Center Tokyo, Japan, <sup>8</sup>Department of Nutrition and Food Safety, Hanoi Medical University, Viet Nam, <sup>9</sup>Department of Nutrition, Saint Paul Hospital, Viet Nam, <sup>10</sup>Department of Nutrition, Hanoi Medical University Hospital, Viet Nam, <sup>11</sup>Department of Nutrition, National Cancer Hospital, Viet Nam*
- PS-8-15 Relationship between Intestinal Microbiota and Abnormal Behavior in People with Intellectual Disabilities**  
Yumiko Ido<sup>1</sup>, Naomi Yoneda<sup>2</sup>, Yoshinori Nishimura<sup>3</sup>  
*<sup>1</sup>Department of Food and Nutrition, Kyoto Womens University, Japan, <sup>2</sup>Nutrition Management, Yurakunosato, Japan, <sup>3</sup>R&D Department, HABA Laboratoris,inc., Japan*
- PS-8-16 The Nutritional Interventions Provided by Registered Dietitians in General Acute Care Hospitals**  
Risa Fukuoka<sup>1</sup>, Ikuko Gomi<sup>1</sup>, Mari Saida<sup>2</sup>, Takehiro Kudo<sup>2</sup>, Machi Hoshiya<sup>3</sup>, Miho Sasaki<sup>4</sup>, Yuki Karaki<sup>5</sup>, Ishak H. Octawijaya<sup>1</sup>, Ryoko Higuchi<sup>1</sup>, Shihoko Suzuki<sup>1</sup>, Teiji Nakamura<sup>1</sup>  
*<sup>1</sup>School of Nutrition and Dietetics, Kanagawa University of Human Services, Japan, <sup>2</sup>Nutritional and Food Management, Saiseikai Yokohamashi Tobu Hospital, Japan, <sup>3</sup>Nutrition, Yokohama Shinmidori General Hospital, Japan, <sup>4</sup>Nutrition, Yokohama Asahi Chuo General Hospital, Japan, <sup>5</sup>Nutrition, Kamishirane Hospital, Japan*
- PS-8-17 Selection Items and Evaluation Timing for Intensive Nutritional Management during Hospitalization for Heart Failure Patients with Renal Dysfunction**  
Naoko Shiohama<sup>1,2</sup>, Tatsushi Komatsu<sup>1</sup>  
*<sup>1</sup>Graduate School of Human Life and Science, Doshisha Women's College of Liberal Arts, Japan, <sup>2</sup>Department of Nutrition, Kyoto Saiseikai Hospital, Japan*
- PS-8-18 Development of Medical Nutrition Therapy (MNT) Protocol Using Deep Learning for Irritable Bowel Syndrome (IBS) Patients**  
Woori Na<sup>1,2</sup>, Cheongmin Sohn<sup>1,2</sup>, Chaeryeon Kim<sup>1</sup>, Seunghee Choi<sup>1</sup>  
*<sup>1</sup>Food and Nutrition, Wonkwang University, Korea, <sup>2</sup>Institute of Life Science and Natural Resources, Institute of Life Science and Natural Resources (Wonkwang University), Korea*
- PS-8-19 Relationship between Risk Factors for Various Diseases Based on BMI Classification and Locomo 25 in Health Checkup Recipients**  
Takako Kumagai<sup>1</sup>, Masashi Yamada<sup>2</sup>, Ikuko Fukushima<sup>3</sup>, Mihoko Isojima<sup>3</sup>, Haruyuki Ito<sup>4</sup>  
*<sup>1</sup>Department of Nutrition, Aomori University of Health and Welfare, Japan, <sup>2</sup>Department of Nursing, Aomori University of Health and Welfare, Japan, <sup>3</sup>Health Guidance, Public Interest Incorporated Association Hachinohe City General Health Checkup Center, Japan, <sup>4</sup>Department of Nursing, Tenshi College, Japan*
- PS-8-20 Recent Initiatives in Acute Hospitals in Japan**  
Hiroyuki Banno, Mamoru Hayashi, Sachie Hosokawa  
*Nutrition Section, Japanese Red Cross Aichi Medical Center Nagoya Daiichi Hospital, Japan*
- PS-8-21 Association between Geriatric Nutritional Risk Index and Mortality of Japanese Older Patients in Long-Term Care Settings**  
Kou Kitabayashi  
*Nutrition, Shinkohkai Murakami-kinen Hospital, Japan*
- PS-8-22 The Efficacy and Safety of Exclusive Enteral Nutrition in Adult Crohn's Disease: A Case Report**  
I-Hsien Tsai<sup>1</sup>, Lee Hung-Chang<sup>2</sup>  
*<sup>1</sup>Medical Nutritional Center, MacKay Memorial Hospital, Taiwan, <sup>2</sup>Gastrointestinal, MacKay Children's Hospital, Taiwan*

# Programs

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**PS-8-23 Necessity of Bioelectrical Impedance Analysis for Efficient Nutritional Care of the Patients with Chronic Hepatitis C and Sustained Virological Response by Treatment with Directly Antiviral Agent**

Akiko Ohara<sup>1,2</sup>, Fusako Teramoto<sup>1</sup>, Miwako Mori<sup>2</sup>, Mami Wada<sup>2</sup>, Mayuko Ono<sup>2</sup>, Sinniti Fujioka<sup>3</sup>, Fusao Ikeda<sup>3</sup>

<sup>1</sup>Master Program in Clinical Nutrition, Kawasaki University of Medical Welfare, Japan, <sup>2</sup>Clinical Nutrition, Okayama Saiseikai General Hospital, Japan, <sup>3</sup>Internal Medicine, Okayama Saiseikai General Hospital, Japan

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**13:00-14:00 Poster Session: Public Health Nutrition**

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**PS-9-1 A Survey on the Attitudes of Muslims Living in Japan toward Food in Times of Disaster**

Ayaka Yazawa

Nutrition Support Course, Graduate School of Comprehensive Rehabilitation, Osaka Prefecture University, Japan

**PS-9-2 Traditional Japanese Diet Score and Cardiovascular Disease Mortality – a Cross-sectional and Longitudinal Global Study**

Chisato Abe<sup>1,2</sup>, Tomoko Imai<sup>2,3</sup>, Sezaki Ayako<sup>4,5</sup>, Miyamoto Keiko<sup>2,6</sup>, Fumiya Kawase<sup>5,7</sup>, Toshiro Shirai<sup>2,8</sup>, Masayo Sanada<sup>5,9</sup>, Ayaka Inden<sup>5,10</sup>, Takumi Kato<sup>2,11</sup>, Norie Sugihara<sup>12</sup>, Hiroshi Shimokata<sup>2,5</sup>

<sup>1</sup>Department of Food and Nutrition, Tsu City College, Japan, <sup>2</sup>Institute of Health and Nutrition, Nagoya University of Arts and Sciences, Japan, <sup>3</sup>Department of Food Science and Nutrition, Doshisha Womens College of Liberal Arts, Japan, <sup>4</sup>Department of Food Sciences and Human Nutrition, Ryukoku University, Japan, <sup>5</sup>Graduate School of Nutritional Science, Nagoya University of Arts and Sciences, Japan, <sup>6</sup>Department of Nursing, Nagoya University of Arts and Sciences, Japan, <sup>7</sup>Department of Nutrition, Asume Hospital Aichi Prefectural Welfare Federation of Agricultural Cooperatives, Japan, <sup>8</sup>Department of Food and Nutritional Environment, Kinjo Gakuin University, Japan, <sup>9</sup>Department of Nursing, Heisei College of Health Sciences, Japan, <sup>10</sup>Clinical Nutrition Unit, Hamamatsu University Hospital, Japan, <sup>11</sup>Department of Nutrition, Japanese Red Cross Aichi Medical Center Nagoya Daini Hospital, Japan, <sup>12</sup>Faculty of Core Research, Ochanomizu University, Japan

**PS-9-4 Learning Acquisition by Students from On-site Training in Public Health Nutrition at Health Centers: Development of Training for Registered Dietitians in Japan**

Hiroko Moriwaki<sup>1</sup>, Hiroko Yoritani<sup>2</sup>, Hiroko Kashima<sup>3</sup>, Yumiko Sanagi<sup>4</sup>

<sup>1</sup>Health Sciences Studies, Faculty of Regional Development, Prefectural University of Hiroshima, Japan,

<sup>2</sup>Department of Nutritional Sciences, Faculty of Human Ecology, Yasuda Women's University, Japan,

<sup>3</sup>Department of Health and Nutrition, Faculty of Health and Nutrition, Hijiya University, Japan, <sup>4</sup>Department of Nutrition, Faculty of Human Sciences, Hiroshima Bunkyo University, Japan

**PS-9-7 Dietary Pattern of Meat Consumption Might Be Related to an Increased Risk of Decline in Independence after Three Years among Community-Dwelling Older Individuals**

Sayuri Kodama<sup>1</sup>, Sugako Kurimori<sup>2</sup>, Tanji Hoshi<sup>3</sup>

<sup>1</sup>Food and Nutrition Science, Sagami Women's Junior College, Japan, <sup>2</sup>Department of Nursing, Seitoku University, Japan, <sup>3</sup>Urban Environmental Sciences, Tokyo Metropolitan University, Japan

**PS-9-8 Longitudinal Global Study of Mediterranean Diet Score and Healthy Life Expectancy**

Ayako Sezaki<sup>1,2</sup>, Tomoko Imai<sup>3,4</sup>, Keiko Miyamoto<sup>4,5</sup>, Fumiya Kawase<sup>1,6</sup>, Yoshiro Shirai<sup>4,7</sup>, Chisato Abe<sup>4,8</sup>, Masayo Sanada<sup>1,9</sup>, Ayaka Inden<sup>1,10</sup>, Takumi Kato<sup>4,11</sup>, Norie Sugihara<sup>12</sup>, Hiroshi Shimokata<sup>1,4</sup>

<sup>1</sup>Graduate School of Nutritional Science, Nagoya University of Arts and Sciences, Japan, <sup>2</sup>Department of Food Sciences and Human Nutrition, Ryukoku University, Japan, <sup>3</sup>Department of Food Science and Nutrition, Doshisha Womens College of Liberal Arts, Japan, <sup>4</sup>Institute of Health and Nutrition, Nagoya University of Arts and Sciences, Japan, <sup>5</sup>Department of Nursing, Nagoya University of Arts and Sciences, Japan, <sup>6</sup>Department of Nutrition, Asume Hospital Aichi Prefectural Welfare Federation of Agricultural Cooperatives, Japan, <sup>7</sup>Department of Food and Nutritional Environment, Kinjo Gakuin University, Japan, <sup>8</sup>Department of Food and Nutrition, Tsu City College, Japan, <sup>9</sup>Department of Nursing, Heisei College of Health Sciences, Japan, <sup>10</sup>Clinical Nutrition Unit, Hamamatsu University Hospital Clinical Nutrition Unit, Japan, <sup>11</sup>Department of Nutrition, Japanese Red Cross Aichi Medical Center Nagoya Daini Hospital, Japan, <sup>12</sup>Faculty of Core Research, Ochanomizu University, Japan

# Programs

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- PS-9-9 Longitudinal Global Study of Traditional Japanese Diet Score and Healthy Life Expectancy**  
Tomoko Imai<sup>1,2</sup>, Chisato Abe<sup>2,3</sup>, Ayako Sezaki<sup>4,5</sup>, Keiko Miyamoto<sup>2,6</sup>, Fumiya Kawase<sup>2,7</sup>, Yoshiro Shirai<sup>2,8</sup>, Masayo Sanada<sup>5,9</sup>, Ayaka Inden<sup>5,10</sup>, Takumi Kato<sup>2,11</sup>, Norie Sugihara<sup>12</sup>, Hiroshi Shimokata<sup>2,5</sup>  
*<sup>1</sup>Food Science and Nutrition, Doshisha Womens College of Liberal Arts, Japan, <sup>2</sup>Institute of Health and Nutrition, Nagoya University of Arts and Sciences, Japan, <sup>3</sup>Food Sciences and Human Nutrition, Tsu City College, Japan, <sup>4</sup>Food Sciences and Human Nutrition, Ryukoku University, Japan, <sup>5</sup>Graduate School of Nutritional Science, Nagoya University of Arts and Sciences, Japan, <sup>6</sup>Nursing, Nagoya University of Arts and Sciences, Japan, <sup>7</sup>Nutrition, Asume Hospital Aichi Prefectural Welfare Federation of Agricultural Cooperatives, Japan, <sup>8</sup>Food and Nutritional Environment, Kinjo Gakuin University, Japan, <sup>9</sup>Nursing, Heisei College of Health Sciences, Japan, <sup>10</sup>Clinical Nutrition Unit, Hamamatsu University Hospital, Japan, <sup>11</sup>Nutrition, Japanese Red Cross Aichi Medical Center Nagoya Daini Hospital, Japan, <sup>12</sup>Faculty of Core Research, Ochanomizu University, Japan*
- PS-9-11 Precise Evaluation of Dietary Quality Based on Intelligent Ordering System and Chinese Healthy Eating Index in College Students from a Medical School in Shanghai, China**  
Shaojie Liu, Gengsheng He, Bo Chen, Yingnan Jia  
*School of Public Health, Fudan University, China*
- PS-9-13 Preparation of a Revised Food Frequency Questionnaire for Cambodian School-aged Children**  
Kaoru Kusama<sup>1</sup>, Yoko Horiuchi<sup>2</sup>, Eri Kai<sup>3</sup>  
*<sup>1</sup>Food and Health Science, The University of Nagano, Japan, <sup>2</sup>Health and Nutrition, Aichi Gakuin University, Japan, <sup>3</sup>Nutrition and Diet Management Project, Foundation for International Development / Relief, Cambodia*
- PS-9-14 Dietary Patterns of Community Dwelling Japanese Pregnant Women by Sociodemographic and Socioeconomic Characteristics**  
Tohru Kobayashi<sup>1</sup>, Reiji Kojima<sup>2</sup>, Emiko Okada<sup>3</sup>  
*<sup>1</sup>Department of Food Science and Human Wellness, Rakuno Gakuen University, Japan, <sup>2</sup>Department of Health Sciences, School of Medicine, University of Yamanashi, Japan, <sup>3</sup>Department of Nutritional Epidemiology and Shokuiku, National Institutes of Biomedical Innovation, Health and Nutrition, Japan*
- PS-9-15 Hardness of the Habitual Diet in Relation to Body Mass Index, Waist Circumference, and Body Fat Percentage in Japanese Elementary School Children Aged 9–10 Years**  
Toshiyuki Kohri<sup>1</sup>, Kentaro Murakami<sup>2</sup>, Masako Kawanishi<sup>3</sup>, Chiho Myojin<sup>3</sup>, Nozomi Okamoto<sup>4</sup>, Tomoko Ojima<sup>3</sup>, Mikiko Sekiya<sup>3</sup>, Mako Yamamoto<sup>1</sup>, Yuko Higashine<sup>1</sup>, Nobuko Amano<sup>1</sup>, Rie Hashimoto<sup>1</sup>, Hiroyuki Tomotake<sup>5</sup>  
*<sup>1</sup>Department of Clinical Nutrition and Dietetics, Faculty of Clinical Nutrition and Dietetics, Konan Women University, Japan, <sup>2</sup>Department of Social and Preventive Epidemiology, School of Public Health, The University of Tokyo, Japan, <sup>3</sup>Department of Food and Nutrition, Faculty of Agriculture, Kindai University, Japan, <sup>4</sup>School Psychology, Developmental Science and Health Education, Hyogo University of Teacher Education, Japan, <sup>5</sup>Department of Domestic Science, Iida Women Junior College, Japan*
- PS-9-18 Relationships between Genetic Factors and Dietary Nutrient Intake on Serum Adiponectin, Considering Seasonal Variation**  
Mizuki Kani<sup>1</sup>, Kana Nakano<sup>2,3</sup>, Chiho Goto<sup>1</sup>, Kiyonori Kuriki<sup>3,4</sup>  
*<sup>1</sup>Department of Health and Nutrition, Nagoya Bunri University, Japan, <sup>2</sup>Department of Health and Nutrition, Aichi Gakuin University, Japan, <sup>3</sup>Laboratory of Public Health, Graduate School of Integrated Pharmaceutical and Nutrition Sciences, University of Shizuoka, Japan, <sup>4</sup>Laboratory of Public Health, Division of Nutritional Sciences, School of Food and Nutritional Sciences, University of Shizuoka, Japan*
- PS-9-19 Global Longitudinal Study of DASH Diet Score and Ischemic Heart Disease Mortality**  
Takumi Kato<sup>1,2</sup>, Tomoko Imai<sup>1,3</sup>, Keiko Miyamoto<sup>1,4</sup>, Ayako Sezaki<sup>5,6</sup>, Fumiya Kawase<sup>5,7</sup>, Yoshiro Shirai<sup>1,8</sup>, Chisato Abe<sup>1,9</sup>, Masayo Sanada<sup>5,10</sup>, Ayaka Inden<sup>5,11</sup>, Norie Sugihara<sup>12</sup>, Hiroshi Shimokata<sup>1,5</sup>  
*<sup>1</sup>Institute of Health and Nutrition, Nagoya University of Arts and Sciences, Japan, <sup>2</sup>Nutrition Division, Japanese Red Cross Aichi Medical Center Nagoya Daini Hospital, Japan, <sup>3</sup>Department of Food Science and Nutrition, Doshisha Womens College of Liberal Arts, Japan, <sup>4</sup>Department of Nursing, Nagoya University of Arts and Sciences, Japan, <sup>5</sup>Graduate School of Nutritional Science, Nagoya University of Arts and Sciences, Japan, <sup>6</sup>Department of Food Sciences and Human Nutrition, Ryukoku University, Japan, <sup>7</sup>Department of Nutrition, Asume Hospital Aichi Prefectural Welfare Federation of Agricultural Cooperatives, Japan, <sup>8</sup>Department of Food and Nutritional Environment, Kinjo Gakuin University, Japan, <sup>9</sup>Department of Food and Nutrition, Tsu City College, Japan, <sup>10</sup>Department of Nursing, Heisei College of Health Sciences, Japan, <sup>11</sup>Clinical Nutrition Unit, Hamamatsu University Hospital, Japan, <sup>12</sup>Faculty of Core Research, Ochanomizu University, Japan*

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- PS-9-20 Effect of Change in Prefecture-Level Yield of Not-for-Sale Vegetables on Individual-Level Vegetable Intake in Japan: A Natural Experiment**  
Daisuke Machida  
*Home Economics Education Course, Cooperative Faculty of Education, Gunma University, Japan*
- PS-9-21 The Interaction of Dietary Variety and Eating Alone on Incident Functional Disability among Older Japanese Adults**  
Toshiki Hata<sup>1,2</sup>, Satoshi Seino<sup>1</sup>, Yui Tomine<sup>1</sup>, Yuri Yokoyama<sup>1</sup>, Miki Narita<sup>1</sup>, Mariko Nishi<sup>1</sup>, Shoji Shinkai<sup>1,3</sup>, Akihiko Kitamura<sup>1,4</sup>, Yoshinori Fujiwara<sup>1</sup>  
<sup>1</sup>Research Team for Social Participation and Community Health, Tokyo Metropolitan Institute of Gerontology, Japan, <sup>2</sup>Department of Food and Nutritional Science, Graduate School of Applied Bioscience, Tokyo University of Agriculture, Japan, <sup>3</sup>Department of Nutrition, Kagawa Nutrition University, Japan, <sup>4</sup>Health Town Development Science Center, Yao City Health Center, Japan
- PS-9-22 Characteristics of Low-Sodium Diets Found in Cooking Classes following the Great East Japan Earthquake**  
Yuri Kinoshita<sup>1</sup>, Kanako Sato<sup>2</sup>, Miura Yuka<sup>3</sup>, Natsumi Ishii<sup>4</sup>, Kayako Sakisaka<sup>5</sup>, Yoshiharu Fukuda<sup>5</sup>  
<sup>1</sup>Division of Food Science and Nutrition, Tohoku Seikatsu Bunka University Junior College, Japan, <sup>2</sup>Department of Health and Nutrition, Chukyo Gakuin University Junior College, Japan, <sup>3</sup>Disaster Reconstruction Assistance Project, The Ajinomoto Foundation, Japan, <sup>4</sup>Department of Nutrition, Kashinoki Internal Medicine Clinic, Japan, <sup>5</sup>Graduate School of Public Health, Teikyo University, Japan
- PS-9-23 A Study on the Sodium/Potassium Intake Ratio and the Sources of Sodium and Potassium among Japanese Infants Attending Nursery Schools**  
Atsuki Sakai<sup>1</sup>, Katsushi Yoshita<sup>1</sup>, Takako Takahashi<sup>1</sup>, Tetsuko Okabe<sup>2</sup>, Ruriko Sasaki<sup>3</sup>, Hiromi Ishida<sup>4</sup>, Hiromitsu Ogata<sup>4</sup>, Aya Abe<sup>5</sup>, Mitsuhiko Hara<sup>6</sup>, Yukiko Yoshioka<sup>7</sup>, Miho Nozue<sup>8</sup>, Tatsuaki Sakamoto<sup>9</sup>, Sanae Ito<sup>10</sup>, Nobuko Murayama<sup>11</sup>  
<sup>1</sup>Food and Human Health Science, Graduate School of Human Life Science, Osaka City University, Japan, <sup>2</sup>Department of Nutrition, School of Nursing and Nutrition, Tenshi College, Japan, <sup>3</sup>Department of Food and Nutritional Science, Faculty of Human Life Science, Miyagi Gakuin Women's University, Japan, <sup>4</sup>Department of Applied Nutrition, Faculty of Nutrition, Kagawa Nutrition University, Japan, <sup>5</sup>Department of Human and Social Sciences, School of Humanities and Social Sciences, Tokyo Metropolitan University, Japan, <sup>6</sup>Department of Human Nutrition, Faculty of Human Nutrition, Tokyo Kasei Gakuin University, Japan, <sup>7</sup>Department of Nutritional Management, Faculty of Nutritional Science, Sagami Women's University, Japan, <sup>8</sup>Department of Health and Nutritional Sciences, Faculty of Health Promotional Sciences, Tokoha University, Japan, <sup>9</sup>Department of Food & Health Sciences, Faculty of Environmental and Symbiotic Sciences, Prefectural University of Kumamoto, Japan, <sup>10</sup>Department of Health Sciences, Faculty of Medicine, University of the Ryukyus, Japan, <sup>11</sup>Department of Health and Nutrition, Faculty of Human Life Studies, University of Niigata Prefecture, Japan
- PS-9-25 Effect of Seasonality on the Intake of Energy, Nutrients and Food Groups in Japanese Children Attending Nursery School in Japan**  
Eri Uezu<sup>1</sup>, Tatsuya Koyama<sup>2</sup>, Akiko Iwahashi<sup>3</sup>, Ruriko Sasaki<sup>4</sup>, Hiromi Ishida<sup>5</sup>, Katsushi Yoshita<sup>1</sup>  
<sup>1</sup>Department of Food and Human Health Sciences, Osaka City University, Japan, <sup>2</sup>Department of Nutrition, Aomori University of Health and Welfare, Japan, <sup>3</sup>Department of Nutrition and Food Sciences, Tezukayama Gakuin University, Japan, <sup>4</sup>Department of Food and Nutritional Science, Miyagi Gakuin Women's University, Japan, <sup>5</sup>Department of Health and Nutrition, Kagawa Nutrition University, Japan
- PS-9-26 Utilizing Stockpiled Foods for Preparing Therapeutic Foods in Disasters**  
Tomoko Hirouchi  
*Faculty of Nutrition, University of Kochi, Japan*
- PS-9-27 Changes in Selected Food Group Consumption and Quality of Meals in Japanese School Children Due to Differences in Literacy of Meal Preparation for Children during the COVID-19 Pandemic**  
Chika Horikawa<sup>1</sup>, Nobuko Murayama<sup>1</sup>, Makiko Sampei<sup>2</sup>, Yui Kojima<sup>1</sup>, Tanaka Hisako<sup>2</sup>, Naho Morisaki<sup>2</sup>  
<sup>1</sup>Department of Health and Nutrition, University of Niigata Prefecture Faculty of Human Life Studies, Japan, <sup>2</sup>Department of Social Medicine, National Center for Child Health and Development, Japan
- PS-9-28 Survey on Halal Food Awareness in Japan -Comparison between 2015 and 2020-**  
Yasuko Sannomaru<sup>1,2</sup>, Mibu Shishido<sup>2</sup>, Sanae Yamada<sup>1</sup>, Yuusuke Sekiguchi<sup>1,2</sup>, Mamoru Igarashi<sup>1,2</sup>, Masahiro Wada<sup>1,2</sup>  
<sup>1</sup>Pharmaceutical Science, Josai University, Japan, <sup>2</sup>Graduate School of Pharmaceutical Sciences, Josai University of Graduate School, Japan



# Programs

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## PS-9-30 Improvement of Vietnamese School Lunch

Diep Van Nguyen<sup>1</sup>, Phuong Mai Nguyen<sup>1</sup>, Giang Huong Nguyen<sup>1</sup>, Ngoc Thi Ta<sup>1</sup>, Hien Thi Thu Ngo<sup>1</sup>, Trang Thu Nguyen<sup>1</sup>, Huong Thi Le<sup>2</sup>, Shigeru Yamamoto<sup>1</sup>

<sup>1</sup>Department of Food and Nutrition, Jumonji University, Japan, <sup>2</sup>Department of Nutrition and Food Safety, Institute for Preventive Medicine and Public Health, Hanoi Medical University, Viet Nam

## 14:00-15:00 Poster Session: Public Health Nutrition

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### PS-10-1 Judging from Body Weight and Energy Intake, Japanese Energy Recommendation for Children Maybe Too High

Giang Huong Nguyen<sup>1</sup>, Phuong Mai Nguyen<sup>1</sup>, Diep Van Nguyen<sup>1</sup>, Nobuko Sarukura<sup>3</sup>, Hitomi Takeichi<sup>3</sup>, Ayami Sano<sup>4</sup>, Sumiko Kamoshita<sup>3</sup>, Yoko Ozaki<sup>2</sup>, Saori Okushima<sup>2</sup>, Hitoshi Iizuka<sup>2</sup>, Masayo Kaneda<sup>5</sup>, Shigeru Yamamoto<sup>1,3</sup>

<sup>1</sup>Department of Food and Nutrition, Jumonji University, Japan, <sup>2</sup>Menu Department, Quest Computer, Japan,

<sup>3</sup>Asian Nutrition and Food Culture Research Center, Jumonji University, Japan, <sup>4</sup>Department of Health and Nutrition, Tokoha University, Japan, <sup>5</sup>Japan Society of Nutrition Teachers, Japan

### PS-10-2 Examining Operational Methods of JDA-DAT (Japan Dietetic Association – Disaster Assistance Team) Staff Training and Follow-up Training - Ingenuity during Covid-19 Crisis

Yukiko Saito, Kaoru Koyama, Chihiro Segawa, Osamu Kaneko, Koji Kobayashi, Kosuke Yoshimura, Izuru Hasegawa, Mamiko Takahashi, Shun Ueno, Kiyomi Tamura, Sachiko Ishigaki, Kazuhiro Nishimura  
JDA - DAT / TOKYO, The Tokyo Dietetic Association, Japan

### PS-10-3 The Study of Nutrient Deficiencies in 350 g Vegetable Intake

Hiroshi Tanaka, Masaya Hosokawa

Human Sciences, Tezukayama Gakuin University, Japan

### PS-10-4 Softening Effect of Meat Texture and Digestibility of Vacuum Cooked Pork

Tomomi Tsuji, Asako Tamura

Department of Health and Nutrition, University of Niigata Prefecture, Japan

### PS-10-5 Prevention of COVID-19 as well as Control Measures Taken by Registered Dietitians' (RD) and Their Views on the Countermeasures during the COVID-19 Pandemic

Naoko Mori, Miho Midorikawa, Noriko Nakamura, Noriko Komatsuzaki, Sayoko Arai, Marin Ono, Natsu Hiroki, Katsuyori Aochi, Kenshi Okubo, Hiroko Sasaki, Kiyoshi Gotow

Department of Human Nutrition, Faculty of Human Nutrition, Seitoku University, Japan

### PS-10-6 Meal Plans for Meeting the “Revised Nutritional Reference Values for Feeding at Evacuation Shelters” Using Food Items Available in Shelters

Tamaki Takeda<sup>1</sup>, Noriko Sudo<sup>2</sup>, Nobuyo Tsuboyama-Kasaoka<sup>3</sup>, Ikuko Shimada<sup>4</sup>, keiichi Sato<sup>5</sup>, Yuki Shibamura<sup>6</sup>, Sayaka Nagao-Sato<sup>6</sup>

<sup>1</sup>Food and Nutritional Science, Ochanomizu University, Japan, <sup>2</sup>Faculty of Core Research, Ochanomizu University, Japan, <sup>3</sup>Section of Global Disaster Nutrition, National Institutes of Biomedical Innovation, Health and Nutrition, Japan, <sup>4</sup>Faculty of Nutrition, University of Kochi, Japan, <sup>5</sup>School of Network and Information, Senshu University, Japan, <sup>6</sup>Department of Nutrition and Food Science, The Graduate School of Humanities and Science, Ochanomizu University, Japan

### PS-10-7 Impact of the COVID-19 Pandemic on Registered Dietetics Student' Food Intake and Physical Activity

Misaki Ono, Mana Miya, Katsumi Imai, Ririko Moriguchi, Kenichiro Yasutake, Keiko Watanabe, Aiko Oniki, Shouko Maeda, Kyouka Fujii, Asuka Yasunaga, Ryouka Eura, Hiromi Ueno, Masaki Kato, Hisaya Kawate, Shuji Nakano

Health Promotion Center, Nakamura Gakuen University, Japan

### PS-10-8 Within- and Between-shelter Variations in Foods Provided at Shelters during a Heavy Rain Disaster and the Necessary Number of Days for Weighed Food Record

Hiroka Sato<sup>1</sup>, Noriko Sudo<sup>2</sup>, Nobuyo Tsuboyama-Kasaoka<sup>3</sup>, Ikuko Shimada<sup>4</sup>, Yuki Shibamura<sup>1</sup>, Sayaka Nagao-Sato<sup>1</sup>

<sup>1</sup>Department of Nutrition and Food Science, The Graduate School of Humanities and Science, Ochanomizu University, Japan, <sup>2</sup>Faculty of Core Research, Ochanomizu University, Japan, <sup>3</sup>Section of Global Disaster Nutrition, National Institutes of Biomedical Innovation, Health and Nutrition, Japan, <sup>4</sup>Faculty of Nutrition, University of Kochi, Japan

# Programs

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- PS-10-9 Health Promotion Measures Necessary for Desirable Dietary Habits for Mothers and Children**  
Kimiko Hirotsu<sup>1</sup>, Tatuya Koyama<sup>2</sup>, Akiko Iwahashi<sup>3</sup>, Yasuko Sakaida<sup>4</sup>, Yoko Tujimoto<sup>5</sup>, Katushi Yosita<sup>6</sup>  
*<sup>1</sup>Graduate School of Health and Well-being, Yamaguchi Prefectural University, Japan, <sup>2</sup>Department of Nutrition, Faculty of Health Sciences, Aomori University of Health and Welfare, Japan, <sup>3</sup>Faculty of Contemporary Human Life Science, Tezukayama University, Japan, <sup>4</sup>Faculty of Nursing and Nutrition, Department of Nutrition Science, University of Nagasaki, Japan, <sup>5</sup>Dept. of Food and Nutritional Sciences, Faculty of Bioscience and Biotechnology, Chubu University, Japan, <sup>6</sup>Graduate School of Human Life Sciences, Osaka City University, Japan*
- PS-10-10 A Report on Lifestyle and Dietary Habits for Longer Healthy Life Expectancy in Sumida Ward**  
Rie Furukawa, Mariko Kobayashi, Kazuhiro Sugisaki  
*Health Planning Division Health Promotion Section, Sumida City Office, Japan*
- PS-10-11 Changes in Gaze Movements When Looking at Normal Food and Swallowing Food**  
Mie Shiraishi, Wataru Masuda  
*Department of Nutrition Faculty of Home Economics, Kyushu Women's University, Japan*
- PS-10-12 Parent's Consciousness of and Behavior Towards Reducing the Salt Intake of Their Preschool Children**  
Hiromi Moriyama<sup>1</sup>, Takako Kumagai<sup>2</sup>, Ryoko Tanikawa<sup>3</sup>, Haruyuki Ito<sup>4</sup>, Yukiko Mano<sup>5</sup>  
*<sup>1</sup>Department of Food Dietetics, Aomori Chuo Junior College, Japan, <sup>2</sup>Department of Nutrition, Aomori University of Health and Welfare, Japan, <sup>3</sup>Department of Nursing, Aomori University of Health and Welfare, Japan, <sup>4</sup>Department of Nursing, Tenshi College, Japan, <sup>5</sup>Department of Health and Nutrition, Shibata Gakuen University, Japan*
- PS-10-13 Accuracy of Food Image Analysis and Usability of Healthcare Applications**  
Yuko S. Yoshimoto<sup>1</sup>, Mako Kanemasu<sup>2</sup>, Junko Fujikura<sup>3</sup>, Hitomi Saito<sup>3</sup>, Hiromi Mitsumori<sup>2</sup>, Kaori Sakamoto<sup>4</sup>, Sanae Nishimura<sup>4</sup>  
*<sup>1</sup>Graduate School of Life and Environmental Sciences, Kyoto Prefectural University, Japan, <sup>2</sup>Faculty of Life and Environmental Sciences, Kyoto Prefectural University, Japan, <sup>3</sup>Department of Food Culture and Nutrition, Kagawa Nutrition University, Japan, <sup>4</sup>Department of Applied Nutrition, Kagawa Nutrition University, Japan*
- PS-10-14 Effect of Digital Signage Video with a Nudge in a University Cafeteria on Increasing Vegetable Intake among Japanese University Students**  
Ryota Fukui<sup>1</sup>, Suzuka Iwamoto<sup>1</sup>, Natsuki Horii<sup>1</sup>, Kana Matsui<sup>1</sup>, Aiba Naomi<sup>3</sup>, Fukumoto Takashi<sup>3</sup>, Makiko Nakade<sup>1,2</sup>  
*<sup>1</sup>Department of Food Science and Nutrition, University of Hyogo, Japan, <sup>2</sup>Research Institute for Food and Nutritional Sciences, Japan, <sup>3</sup>Kanagawa Institute of Technology, Japan*
- PS-10-16 Dietary Patterns and Sodium-to-Potassium Ratio of Niigata Prefecture Residents in the Working-age Population: Analysis of the 2015 Niigata Prefecture Health and Nutrition Survey**  
Kazue Suzuki<sup>1</sup>, Mizuki Takeuchi<sup>1</sup>, Yuna Watanabe<sup>1</sup>, Miyo Kojima<sup>2</sup>  
*<sup>1</sup>Department of Health and Nutrition, Niigata University of Health and Welfare, Japan, <sup>2</sup>Health Promotion Support Division, Welfare and Health Department, Niigata Prefecture, Japan*
- PS-10-17 Associations of Fruits and Vegetables Intake with Blood Pressure Levels in Japanese Male Workers**  
Michiko Tsuji<sup>1</sup>, Satoka Yamamoto<sup>1</sup>, Kimi Sawada<sup>2</sup>  
*<sup>1</sup>Department of Health and Nutrition, Nagoya Women's University, Japan, <sup>2</sup>Department of Health and Nutrition, Tokiwa University, Japan*
- PS-10-18 About Changes in the Work of Local Government Registered Dietitians during the COVID-19 Infection Spread Period**  
Sumie Isobe<sup>1,2</sup>, Ayumi Morooka<sup>1,3</sup>, Ryoko Kishi<sup>1,4</sup>, Minako Shinkai<sup>1,5</sup>, Noriko Ishihara<sup>1,6</sup>, Midori Shukunami<sup>1,7</sup>, Rie Harada<sup>1,8</sup>, Yuuko Obata<sup>1,9</sup>  
*<sup>1</sup>Public Health, The Japan Dietetic Association, Japan, <sup>2</sup>Niitsu Public Health Center, Niigata Prefectural Government, Japan, <sup>3</sup>Health Promotion Division, Hyogo Prefectural Government, Japan, <sup>4</sup>Health Promotion Division, Aizuwakamatsu City, Japan, <sup>5</sup>Health Promotion Division, Tokai City, Japan, <sup>6</sup>Narashino Public Health Center, Chiba Prefectural Government, Japan, <sup>7</sup>Suginami Public Health Center, Suginami City, Japan, <sup>8</sup>Health Promotion Division, Yamaguchi Prefectural Government, Japan, <sup>9</sup>Health Promotion Division, Kitakyushu City, Japan*

# Programs

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- PS-10-19 Efforts of Dietitians for Disaster Victims**  
Kinya Matsui<sup>1,2,3</sup>, Hiroyasu Yonemura<sup>3</sup>  
*<sup>1</sup>Department of Applied Food Science, Higashiosaka Junior College, Japan, <sup>2</sup>The Osaka Dietetic Association, The Japan Dietetic Association, Japan, <sup>3</sup>Representation / Publicity, The Matsui Entomo-pan-phagy Research Group, Japan*
- PS-10-20 School Lunches to Help Students Learn How to Cope With Disasters**  
Kumiko Echigo  
*Sendai City Kuriu Elementary School, Japan*
- PS-10-21 Results of Organizational an Organizational Survey for the Development of Human Resources Training Program for Dietitians Working in Local Governments**  
Ayumi Morooka<sup>1</sup>, Yusuke Arai<sup>2</sup>, Ayaka Iida<sup>3</sup>, Sumie Isobe<sup>4</sup>, Osamu Kushida<sup>5</sup>, Tatsuya Koyama<sup>6</sup>, Kazumi Tanaka<sup>3</sup>, Katsushi Yoshita<sup>7</sup>  
*<sup>1</sup>Health Promotion Division, Hyogo Prefectural Government, Japan, <sup>2</sup>Department of Nutrition, Chiba Prefectural University of Health Science, Japan, <sup>3</sup>Faculty of Health and Social Services, Kanagawa University of Human Services, Japan, <sup>4</sup>Department of Welfare and Health, Niigata Prefecture, Japan, <sup>5</sup>School of Food and Nutritional Sciences, University of Shizuoka, Japan, <sup>6</sup>Faculty of Health Science, Aomori University of Health and Welfare, Japan, <sup>7</sup>Department of Human Life Science, Osaka City University, Japan*
- PS-10-22 Current Status of Household Food Waste in College Students, Influence of COVID-19**  
Akiyo Shiohara<sup>1</sup>, Yuta Yamazaki<sup>2</sup>  
*<sup>1</sup>Department of Nutrition and Health Sciences, Toyo University, Japan, <sup>2</sup>Department of Nutrition Management, Yono Central Hospital, Japan*
- PS-10-23 Association of Body Mass Index and Nutrition-Related Factors with Mortality Among the Elderly in Taipei**  
Ying-Ying Hsu, Yi-Fen Lin  
*Department of Dietetics and Nutrition, Taipei City Hospital, Renai Branch, Taiwan*
- PS-10-24 Overviews of Shokuiku Promotion Program Measures in Aizuwakamatsu City (2011-2021)**  
Ryoko Kishi  
*Health Promotion Section, Aizuwakamatsu City Office, Japan*
- PS-10-25 The Relationship between Diet Quality and Sleep Quality and Behavior in Young Children**  
Sachi Kuranuki, Ayaka Wakabahashi, Yumiko Inoue, Ayaka Iida  
*The School of Nutrition and Dietetics, Kanagawa University of Human Services, Japan*
- PS-10-26 Impact of Food Support in the Disaster Area on the Awareness of Students; A New Initiative of the Registered Dietitian Training School in Japan**  
Chisato Hara<sup>1</sup>, Yuri Kintaka<sup>2</sup>  
*<sup>1</sup>Nutrition and Metabolic Medicine, Center of Preventive Medical Science, Chiba university, Japan, <sup>2</sup>Nutrition School of Health Science, Sapporo University of Health Sciences, Japan*
- PS-10-27 Effects of Local Nutrition Program Implementation on Household Food Security and Stunting: Case Study of Aurora and Batanes Provinces**  
Charina Javier, James Andrei Justin Sy, Cheder Sumangue, Ma. Lilibeth Dasco  
*Nutritional Assessment and Monitoring Division, Department of Science and Technology - Food and Nutrition Research Institute, Philippines*
- PS-10-28 An Attempt to Develop Boxed Lunches That Take into Consideration the Nutritional Reference Amount and Diversity of Food Provision in Evacuation Centers**  
Ikuko A. Shimada<sup>1</sup>, Noriko A. Sudo<sup>2</sup>, Nobuyo A. Kasaoka-Tsuboyama<sup>3</sup>, Keiichi A. Sato<sup>4</sup>  
*<sup>1</sup>Faculty of Nutrition, University of Kochi, Japan, <sup>2</sup>Natural Science Division, Faculty of Core Research, Ochanomizu University, Japan, <sup>3</sup>Section of Global Disaster Nutrition, International Center for Nutrition and Information, National Institute of Health and Nutrition, National Institutes of Biomedical Innovation, Health and Nutrition, Japan, <sup>4</sup>Disaster Management and Policy Sciences, Sensyu University, Japan*
- PS-10-29 A Fact-finding Survey on the Dietary Habits of the Poor in Cebu, Philippines by Japanese University Students**  
Atsuko Kayashita  
*Health Sciences, Hiroshima Shudo University, Japan*

# Programs

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## 15:00-16:00 Poster Session: Community Nutrition

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- PS-11-1 Examination of Effective Deliciousness Transmission Method That Leads to Purchasing Behavior of Yamato (Another Name for Nara, the Ancient Capital of Japan)'s Traditional Vegetable "Yamato-maru Eggplant" That Makes Full Use of Nudge Theory and Information Technology**  
Junko Nohara<sup>1</sup>, Daiki Mayumi<sup>2</sup>, Yuki Matsuda<sup>2</sup>, Yugo Nakamura<sup>3</sup>, Emiko Iwata<sup>1</sup>  
*<sup>1</sup>Faculty of Health Sciences, Kio University, Japan, <sup>2</sup>Graduate School of Science and Technology, Nara Institute of Science and Technology, Japan, <sup>3</sup>Graduate School and Faculty of Information Science and Electrical Engineering, Kyushu University, Japan*
- PS-11-2 Training of Registered Dietitians to Provide Home-visit Nutritional and Dietary Guidance in Japan**  
Ikuko Nakamura<sup>1</sup>, Kayoko Maeda<sup>2</sup>, Yayoi Tanaka<sup>3</sup>  
*<sup>1</sup>Department of Nutrition, Social Welfare, Nayloro City University, Japan, <sup>2</sup>Department of Food Sciences and Nutrition, Faculty of Human Environmental Sciences, Mukogawa Women's University, Japan, <sup>3</sup>Department of Management Nutrition, College of Nutrition, Kanto Gakuin University, Japan*
- PS-11-3 Nutritional Status and Health-related Quality of Life of Elderly People Who Have Just Started Using a Meal Delivery Service**  
Masami Baba<sup>1,2</sup>  
*<sup>1</sup>Nutrition Management Department, Zenjokai Rehabilitation Hospital, Japan, <sup>2</sup>Community Support Department, Nutrition Care-station Community LIFE Nagoya, Japan*
- PS-11-5 Relationship between Eating Alone and Poor Appetite Using the Simplified Nutritional Appetite Questionnaire among Community-dwelling Older Japanese**  
Yurie Mikami<sup>1</sup>, Keiko Motokawa<sup>1</sup>, Maki Shirobe<sup>2</sup>, Ayako Edahiro<sup>1</sup>, Yuki Ohara<sup>1</sup>, Masanori Iwasaki<sup>1</sup>, Misato Hayakawa<sup>3</sup>, Yutaka Watanabe<sup>4</sup>, Hiroki Inagaki<sup>1</sup>, Hunkyung Kim<sup>1</sup>, Shoji Shinkai<sup>5</sup>, Shuichi Awata<sup>1</sup>, Hirohiko Hirano<sup>1</sup>  
*<sup>1</sup>Research Team for Promoting Independence and Mental Health, Tokyo Metropolitan Institute of Gerontology, Japan, <sup>2</sup>The Tokyo Metropolitan Support Center for Preventative Long-term and Frail Elderly Care, Tokyo Metropolitan Institute of Gerontology, Japan, <sup>3</sup>Integrated Research Initiative for Living Well with Dementia, Tokyo Metropolitan Institute of Gerontology, Japan, <sup>4</sup>Gerodontology, Department of Oral Health Science, Faculty of Dental Medicine, Hokkaido University, Japan, <sup>5</sup>Department of Nutrition, Kagawa Nutrition University, Japan*
- PS-11-6 Activities of Home-visiting Registered Dietitians during the COVID-19 Pandemic**  
Keiko Inoue, Kayoko Maeda, Ikuko Nakamura, Kotomi Kumagai, Junko Shionozaki, Kazuyo Yasuda, Kumiko Yoneyama, Minako Hanamoto  
*The Japan Home Nutrition Management Society, Japan*
- PS-11-7 Jointly Develop and Sell Health Lunch Boxes with Local Supermarkets**  
Minako Shinkai<sup>1</sup>, Rie Nakamura<sup>1</sup>, Mika Sugiura<sup>2</sup>, Yuko Morinishi<sup>3</sup>  
*<sup>1</sup>Health Promotion Division, Tokai City Office, Japan, <sup>2</sup>Department of Health Support, Aichi Prefectural Chita Health Center, Japan, <sup>3</sup>Corporate Planning Department CSR Promotion Group Food Education, Maxvalu Tokai Co., Ltd., Japan*
- PS-11-8 Eating Slowly is Associated with Undernutrition Among Community-Dwelling Residents: A Cross-Sectional Study**  
Tomio Nakamura  
*Department of Food Sciences and Human Nutrition, Ryukoku University, Japan*
- PS-11-9 Practical Use of a Simplified Evaluation Method for Food Hardness in Nursing Homes**  
Tae Tokoi<sup>1,2</sup>, Emi Watanabe<sup>1</sup>, Miho Kogirima<sup>1</sup>  
*<sup>1</sup>Food Science and Nutrition, Doshisha Women's College of Liberal Arts, Japan, <sup>2</sup>Nutrition Division, Long-Term Care Health Facility Chayamanosato, Japan*
- PS-11-10 About Community-based Learning at a Dietitian Training School (Learn in with Collaboration Companies in Akita Prefecture)**  
Masako Ito, Aki Akiyama  
*Healthy Nutrition, Seirei Women's Juniorcollege, Japan*

# Programs

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- PS-11-11 Summary of the Volunteer Activity for 30 Years**  
Tamiko Saito<sup>1,2,3</sup>  
*<sup>1</sup>Ryouikusyoku Planning Lab., Japan, <sup>2</sup>Ibaraki Prefecture Dietetic Association, Japan, <sup>3</sup>The Japan Dietetic Association, Japan*
- PS-11-12 Features of the One-month Menu That Adheres to Reference Values for Salt in Japanese School Lunches**  
Kohei Kato  
*School Lunch, Niiza City Tohoku Elementary School, Japan*
- PS-11-13 Influence of School Lunches on Dietary Consciousness and Attitudes among Families of First-grade Elementary Schoolchildren in Japan**  
Yuko Naruse<sup>1</sup>, Naoko Hirota<sup>2</sup>  
*<sup>1</sup>Faculty of Human Health and Science, Matsumoto University, Japan, <sup>2</sup>Graduate School of Health Science, Matsumoto University, Japan*
- PS-11-14 A Cross-sectional Study on the Relationship between Dietary Patterns and Physical Performance in Oldest Old Population of Japanese**  
Tao Yu<sup>1</sup>, Yuko Oguma<sup>1,2</sup>, Keiko Asakura<sup>3</sup>, Yukiko Abe<sup>4</sup>, Yasumichi Arai<sup>4,5</sup>  
*<sup>1</sup>Graduate School of Health Management, Keio University, Japan, <sup>2</sup>Sports Medicine Research Center, Keio University, Japan, <sup>3</sup>Department of Environmental and Occupational Health, School of Medicine, Toho University, Japan, <sup>4</sup>Center for Supercentenarian Medical Research, Keio University, Japan, <sup>5</sup>Faculty of Nursing and Medical Care, Keio University, Japan*
- PS-11-15 A Study on the Usefulness of Providing Nutrition Education Materials for Japanese Elementary School Students : Action of Nutrition Education at the Children's Cafeteria and Elementary School**  
Tomomi Kobayashi<sup>1</sup>, Naoko Kaneda<sup>2</sup>, Hitomomi Fukuda<sup>2</sup>  
*<sup>1</sup>Department of Food Science and Nutrition, Mukogawa Women's University, Japan, <sup>2</sup>Department of Nutrition and Food Sciences, Tezukayamagakuin University, Japan*
- PS-11-16 Current Status of Elementary School Students' Lifestyles in Japan: For Better Nutrition Education in a Children's Cafeteria**  
Naoko Kaneda<sup>1</sup>, Sachimi Kubo<sup>1</sup>, Tomomi Kobayashi<sup>2</sup>, Hitomi Fukuda<sup>1</sup>  
*<sup>1</sup>Department of Nutrition and Food Sciences, Tezukayamagakuin University, Japan, <sup>2</sup>Department of Food Science and Nutrition, Mukogawa Women's University, Japan*
- PS-11-17 Investigation of the Heating Conditions Required for Serving Fluid-boiled Egg (Onsen Tamago) to People with Difficulty in Swallowing**  
Naoko Tatsuguchi, Yukie Yanagisawa  
*Department of Health and Nutrition, Wayo Women's University, Japan*
- PS-11-18 Report on a Visit to Meal Service Facilities in the Educational, Medical, and Welfare Sectors in the Kingdom of Thailand**  
Hiromi Katsuragi (Ikeda)<sup>1,2</sup>, Tavipa Boonyaritichai<sup>3</sup>, Pongtip Sugimoto<sup>6</sup>, Junko Fujikura<sup>4</sup>, Surasak Boonyaritichai<sup>5</sup>  
*<sup>1</sup>Department of Food and Nutrition, Advanced Course of Food Nutrition Junior College, Nihon University, Japan, <sup>2</sup>Institute of Nutrition Science, Kagawa Nutrition University, Japan, <sup>3</sup>Surasak Medical Clinic, Thailand, <sup>4</sup>Food Culture and Nutrition, School of Nutrition Sciences, Kagawa Nutrition University, Japan, <sup>5</sup>Family Medicine, Chiang Mai University, Thailand, <sup>6</sup>English translation Freelancer, Thailand*
- PS-11-19 Nutritional Characteristics of the By-product Bagasse That Arises during the Production of Malt Syrup**  
Yuko Honma<sup>1,2</sup>, Hadjime Nakajima<sup>2</sup>  
*<sup>1</sup>Department of Nutrition and Health, Faculty of Nutritional Science, Sagami Women's University, Japan, <sup>2</sup>Department of Division of Human Ecology, Graduate School of Wayo Women's University, Japan*
- PS-11-20 Study Session on Thickeners**  
Yuka Torii  
*Senior Citizen Welfare Center Hidamari, JA Fukuyama, Japan*
- PS-11-21 Approach of the Food Education in the Child Restaurant**  
Kazumi Watanabe<sup>1</sup>, Hirokazu Kimura<sup>2</sup>, Matsumoto Mami<sup>2</sup>  
*<sup>1</sup>Department of Nutritional Science Faculty of Human Life Science, Shokei University, Japan, <sup>2</sup>Department of Nutrition, Seinanjogakuin University, Japan*

# Programs

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- PS-11-22 Development of Healthy Dietary Environments in Workplace Cafeterias through Industry-Academia-Government Collaboration**  
Maya Uenobe<sup>1</sup>, Nomi Uehara<sup>2</sup>, Miku Takehana<sup>2</sup>  
*<sup>1</sup>Faculty of Health and Human Development, The University of Nagano, Japan, <sup>2</sup>Division of Health Promotion, Nagano Health and Welfare Office, Japan*
- PS-11-23 Parents' Willingness to Pay and Intention to Use School Feeding Program at Junior High Schools in Malang Regency, Indonesia**  
Ishak H. Octawijaya<sup>1,2</sup>, Masahide Kondo<sup>3</sup>, Ai Hori<sup>3</sup>, Masao Ichikawa<sup>3</sup>  
*<sup>1</sup>Graduate School of Comprehensive Human Sciences, University of Tsukuba, Japan, <sup>2</sup>School of Nutrition and Dietetics, Kanagawa University of Human Services, Japan, <sup>3</sup>Faculty of Medicine, University of Tsukuba, Japan*
- PS-11-24 Innovative Meal Ordering System for Patient-Centered Service at General Hospital in Taiwan**  
Fen-Ling Tseng, Pao-Ju Chiang, Yu-Wen Wang, Mei-Fang Yang  
*Department of Dietetics & Nutrition, Taipei Veterans General Hospital, Taiwan*
- PS-11-25 Actual Conditions and Issues Related to Providing Meals at Small Facilities for People with Disabilities in the Tohoku Region in Japan**  
Kikuko Hata, Nanae Sato  
*Faculty of Nutritional Sciences, Morioka University, Japan*

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## 16:00-17:00 Poster Session: Community Nutrition

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- PS-12-1 Green Action for Environmental Protection in Local Community Hospital**  
Hui-Ling Huang, Hsun-Hui Hsieh  
*The Nutrition and Dietitian Department, Yunlin Christian Hospital, Taiwan*
- PS-12-2 Development and Acceptability of New Japanese Menus with Soy-based Meat Substitute**  
Yoko Ozaki<sup>1</sup>, Tamami Kawakami<sup>1</sup>, Saori Kamiya<sup>1</sup>, Ngoc Thi Ta<sup>2</sup>, Shigeru Yamamoto<sup>2</sup>, Hitoshi Iizuka<sup>1</sup>  
*<sup>1</sup>Menu Department, Quest Computer Company, Japan, <sup>2</sup>Asian Nutrition and Food Culture Research Center, Jumonji Univeristy Graduate School, Japan*
- PS-12-3 Study on Nutritional Management with the Standard Tables of Food Composition in Japan (8th Revision) for the Practice of Food Service Management Class**  
Tetsuko Okabe<sup>1</sup>, Shuko Yamabe<sup>2</sup>, Itsumi Watanabe<sup>2</sup>  
*<sup>1</sup>School of Nursing and Nutrition, Tenshi College, Japan, <sup>2</sup>School of Health Sciences, Sapporo University of Health Sciences, Japan*
- PS-12-4 Questionnaire Survey Results on Chewing and Swallowing of 90 People Who Participated in the Health Class**  
Naomi Katayama  
*Health ad Nutrition, Nagoya Women's Universty, Japan*
- PS-12-5 Tongue Pressure and Health and Nutritional Status of Japanese Aged Women Who Do Not Need Elderly Care**  
Hiromi Ueno, Misaki Ono, Aiko Oniki, Shoko Maeda, Mana Miya, Kyoka Fujii, Ryoka Eura, Shuji Nakano, Masaki Kato, Keiko Watanabe  
*Nutrition Clinic, Nakamura Gakuen Univercity, Japan*
- PS-12-6 Assessing the Nutritional Status of the Elderly in the Nursing Home**  
Yi-Chin Tang  
*Internal Medicine, Taipei City Hospital, Taiwan*
- PS-12-7 Universal Restaurant**  
Ayumi Kikuchi  
*Nutrition Section, Public Relations Department, Labo Annex Co. Ltd, Japan*
- PS-12-8 Achievement of an International Support Grant Program for NGO Activities on "Food and Nutrition"**  
Eriko Kondo, Kenji Shinkai  
*AIN&VINEP Team, The Ajinomoto Foundation, Japan*

# Programs

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- PS-12-9 Support Programs to Promote Specific Health Checkups and Enhance the Effectiveness of Specific Health Guidance. – Focusing on Support for Public Health Dietitians**  
Shoko Okumura<sup>1</sup>, Yumi Kuwabara<sup>2</sup>, Yuri Goto<sup>3</sup>  
*<sup>1</sup>Department of Food Science and Human Nutrition, Fuji Women's University, Japan, <sup>2</sup>Department of Public Health, Sapporo Medical University, School of Medicine, Japan, <sup>3</sup>Department of Sports Instruction, Sapporo International University, Japan*
- PS-12-10 Relationship among Employee Turnover Frequency, Job Satisfaction and Food Safety Culture in School Foodservice**  
Kahori Fujisaki<sup>1</sup>, Rie Akamatsu<sup>2</sup>  
*<sup>1</sup>Department of Nutritional Management, Sagami Women's University, Japan, <sup>2</sup>Natural Science Division, Faculty of Core Research, Ochanomizu University, Japan*
- PS-12-11 Examination of Optimum Heating Time for Ease of Swallowing Vacuum-cooked Food**  
Nana Nakashima  
*Division of Food and Health Environmental Sciences, Faculty of Environmental and Symbiotic Sciences, Prefectural University of Kumamoto, Japan*
- PS-12-12 Development of a Dysphagia Diet at Our Hospital through Multi-professional Collaboration Following Japanese Dysphagia Diet 2013 by the JS DR Dysphagia Diet Committee (JDD2013)**  
Mikiko Fuda<sup>1</sup>, Saki Tamayama<sup>1</sup>, Tomoko Okamoto<sup>2</sup>  
*<sup>1</sup>Nourishment Management Office, Tohoku University Hospital, Japan, <sup>2</sup>Department of Nutrition, School of Health Sciences, Sapporo University of Health Sciences, Japan*
- PS-12-13 Examination of Using a Steam Convection Oven with a Cook-Chill System for White Rice**  
Naoko Otsuki<sup>1,2</sup>, Miho Nakamura<sup>2</sup>, Midori Kurokawa<sup>3</sup>, Yoko Ichikawa<sup>1,2</sup>  
*<sup>1</sup>School of Food and Nutritional Sciences, University of Shizuoka, Japan, <sup>2</sup>Graduate School of Integrated Pharmaceutical and Nutritional Sciences, University of Shizuoka, Japan, <sup>3</sup>Solution Technology, Tokyo Gas Company, Japan*
- PS-12-14 An Evaluation of the Mental Health of Parents of Infants and Toddlers and the Diversity in Parenting Support during the COVID-19 Pandemic**  
Junko Nakamura<sup>1</sup>, Yoko Maruyama<sup>2</sup>, Noriko Kawakami<sup>2</sup>, Yuki Imai<sup>2</sup>, Aiko Tanabe<sup>2</sup>, Ayako Takano<sup>2</sup>  
*<sup>1</sup>Health and Nutrition, Niigata University of Health and Welfare, Japan, <sup>2</sup>Health Promotion Division, Health and Welfare Department, Tsubame City Health Center, Japan*
- PS-12-15 Effects of Nutrition Education Intervention for Patients in Kasungu District, Malawi**  
Ai Yasudomi<sup>1</sup>, Chigomezgo Msowya<sup>2</sup>, Miki Miyoshi<sup>1</sup>  
*<sup>1</sup>Graduate School of Health Sciences, Aomori University of Health and Welfare, Japan, <sup>2</sup>Environmental Health, Kasungu District Hospital, Ministry of Health, Malawi*
- PS-12-16 Ryukyu's Food Medicine Book Is the Key, Okinawa Used to Be an Island of Longevity**  
Yukie Miyaguni, Yuka Nagamine, Hitomi Shiokawa  
*Yakuzenryuka, Japan*
- PS-12-17 Characteristics of Nutritional Problems in Guatemala: Major Findings through the Japan International Cooperation Agency (JICA) Volunteer Activities**  
Masaya Fujii, Miki Miyoshi  
*Graduate School of Health Sciences, Aomori University of Health and Welfare, Japan*
- PS-12-18 A Vegetable-Based Approach to School Meals in Japan - A Case Study of School Meals at Linden Hall Elementary School and High School Using 100% Organic Vegetables**  
Haruka Kubota<sup>1</sup>, Asahi Ota<sup>2</sup>, Tomoko Kato<sup>2</sup>  
*<sup>1</sup>Nutrition and Food Safety Management, Linden Hall Elementary School, Japan, <sup>2</sup>Nutritional Education, Allsta General Incorporated Association, Japan*

# Programs

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- PS-12-19 Significance of an On-site Registered Dietitian for the Spread in Uptake of the “Smart Meal” Certification System in Office Meal Services**  
Junko Tamaru<sup>1</sup>, Takako Takahashi<sup>2</sup>, Tomoko Koda<sup>3</sup>, Akiko Kuwabara<sup>4</sup>, Jun Uda<sup>5</sup>, Tadashi Akao<sup>6</sup>, Yoko Ichikawa<sup>7</sup>  
*<sup>1</sup>Faculty of Nutrition, Kobe Gakuin University, Japan, <sup>2</sup>Department of Food and Nutrition, Graduate School of Human Life Science, Osaka City University, Japan, <sup>3</sup>Department of Food Science and Nutrition, Faculty of Human Life and Science, Doshisha Women’s College of Liberal Arts, Japan, <sup>4</sup>Department of Clinical Nutrition, Graduate School of Comprehensive Rehabilitation, Osaka Prefecture University, Japan, <sup>5</sup>Graduate School of Medical Safety Management, Jikei University of Health Care Sciences, Japan, <sup>6</sup>Faculty of Health and Nutrition, Osaka Shoin Women’s University, Japan, <sup>7</sup>School of Food and Nutritional Sciences, University of Shizuoka, Japan*
- PS-12-20 Social Contribution Activities of Registered Dietitians in Local Supermarkets**  
Naoko Morimoto  
*Safe and Reliable, Kyoei Co.,Ltd, Japan*
- PS-12-21 Nutrient Intakes of Community-dwelling Elderly People**  
Hideko Kanamitsu, Yuki Kanaya, Hiroko Ohwada  
*Department of Health and Nutrition, Yamagata Prefectural Yonezawa University of Nutrition Sciences, Japan*
- PS-12-22 Utility of Combination Oven in Practice of Food Service Management**  
Yu Koyama  
*Food and Nutrition Junior College, Nihon University, Japan*
- PS-12-23 Promoting the Local Production and Consumption of Organic Agricultural Products through School Lunches**  
Keiko Abe  
*Food and Nutrition, The University of Aizu, Junior College Division, Japan*
- PS-12-24 Relationship between the Modern Japanese Diet Index (JDI-12) and Gut Microbiota in Japanese Female University Students: A Cross-sectional Study**  
Genya Okada<sup>1</sup>, Nazuna Kariyada<sup>1</sup>, Shiori Ueno<sup>1</sup>, Shinta Ishizu<sup>1</sup>, Mabuchi Ryota<sup>2</sup>, Chisako Kambara<sup>1</sup>, Shota Tanimoto<sup>1</sup>, Tamotsu Fujii<sup>1</sup>  
*<sup>1</sup>Department of Health Sciences, Prefectural University of Hiroshima, Japan, <sup>2</sup>Department of Local Resources, Prefectural University of Hiroshima, Japan*