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PS-02-a-303  Retrospective analysis between food intake and plasma lipid levels in middle to elderly age of 23906 Japanese
Kohzo Aisaka, Aki Aisaka, Hideyo Onikura, Fujiko Tsuchiya, Masami Sueta, Yuriko Ikezuki, Kana Itabashi, Sayaka Nose, Seiichiro Obata
Hamada Hospital, Japan

PS-02-a-304  The relationship between self-reported energy intakes and body mass index among urban, low-income African-American youth
Miwa Yamaguchi¹, Anna Y Kharmats², Cara Shipley², Elizabeth S. Anderson², Laura C. Hopkins², Joel Gittelsohn²
¹The University of Tokushima, Japan, ²Johns Hopkins Bloomberg School of Public Health, USA

PS-02-a-305  Children Receiving Complementary Food Supplements (CFS) Have Higher Nutrient Intakes from Home Foods in Jivita-4 Field Trial, Rural Bangladesh
Rebecca K. Campbell¹, Kristen M. Hurley¹, Abu Ahmed Shamim¹, Saijuuddin Shaikh¹, Zaynah T. Chowdhury¹, Sucheta Mehra¹, Saskia de Pee², Tahmeed Ahmed³, Keith P. West Jr.¹, Parul Christian¹
¹Johns Hopkins Bloomberg School of Public Health, USA, ²Nutrition and HIV/AIDS Policy Division, WFP, Italy, ³Nutrition Programme, ICDDR, B, Bangladesh

PS-02-a-306  Comparison of Nutritional Status of Early Childhood between South Korea and North Korea
Soh Yoon Yun, Cheng Yu Zhang, Seo-Ho Cho, Jihyun Yoon
Seoul National University, Korea

PS-02-a-307  Improvement in the nutritional value of food stockpiles and their efficient reuse
Mizuho Sato, Masaru Nakano
Keio University, Japan

PS-02-a-308  Approach to hand down the tradition of local dishes at 3.11 stricken area
Kazuko Kato, Chisa Ikeda, Ryoko Wada
Tokyo Kasei University, Japan

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PS-02-p-001  Insulin-induced acetyl-CoA carboxylase alpha is responsible for triglyceride accumulation in primary hepatocytes of low protein diet-fed rats
Yusuke Taguchi¹, Yuka Toyoshima¹, Reiko Tokita¹, Hisanori Kato², Shin-Ichihiro Takahashi², Shiro Minami³
¹Nippon Medical School, Japan, ²The University of Tokyo, Japan

PS-02-p-002  Effect of taurine on the induction of TXNIP expression in human intestinal epithelial Caco-2 cells
Hideo Satsu¹, Hana Shimanaka², Yusuke Gondo², Kenji Watari¹, Mamoru Totsuka², Makoto Shimizu²
¹Maebashi Institute of Technology, Japan, ²The University of Tokyo, Japan

PS-02-p-003  Protein malnutrition increases the amount and phosphorylation of 4E-binding protein 1 (4E-BP1) to accumulate lipid in rat liver
Yuka Toyoshima¹, Reiko Tokita¹, Yusuke Taguchi¹, Fumiaki Yoshizawa², Shin-Ichihiro Takahashi², Hisanori Kato³, Shiro Minami¹
¹Nippon Medical School, Japan, ²Utsunomiya University, Japan, ³The University of Tokyo, Japan

PS-02-p-004  Collagen-derived dipeptides were detected in human breast milk
Sachie Nakatani¹, Rina Kasai¹, Yoshifumi Kimira¹, Hiroshi Mano¹, Aya Kataoka², Fumihito Sugihara³, Naoki Inoue², Kenji Kobata³, Masahiro Wada¹
¹Josai University, Japan, ²Nitta Gelatin Inc., Japan

PS-02-p-005  Adaptive Response to L-Serine Deficiency in Normal Embryonic Fibroblasts
Tomoko Sayano¹, Yuki Kawano², Kayoko Esaki¹, Yoshiro Hirabayashi¹, Shigeki Furuya²
¹RIKEN Brain Science Institute, Japan, ²Kyushu University, Japan

PS-02-p-006  Effects of dietary histidine levels to amounts of imidazole dipeptides and interactions with lysine and arginine in muscles of broiler
Shinichi Kai, Genya Watanabe, Masatoshi Kubota, Motomi Kadowaki, Shinobu Fujimura
Niigata University, Japan
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Tung-Ju Yang, En-Pei Chiang
National Chung Hsing University, Taiwan

PS-02-p-008 Nutritional characteristic of the Hiroshima-oyster cultured in the area of high concentration of zinc
Yumiko Nitta¹, Noriko Tamura², Toshihide Harada², Fumiko Ishizaki², Kohsaku Nitta³
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PS-02-p-009 Bone-kidney axis regulating phosphate homeostasis: Study of osteocyte-ablated mice
Haruna Sakaguchi, Sawako Tatsumi, Mao Ogata, Osamu Fujii, Tomohiro Arakaki, Atsumi Miyagawa, Kenta Nagamoto, Wako Takahama, Yukiko Hirobata, Akiko Kojima, Hiroko Segawa, Ken-ichi Miyamoto
The University of Tokushima Graduate School, Japan

PS-02-p-010 Molecular mechanisms underlying folic acid-induced anti-colorectal cancer growth
Chun-Ting Kuo, Wen-Sen Lee
Taipei Medical University, Taiwan

PS-02-p-011 Biotin-deficient diet induces abnormal oocyte in mouse
Ai Tsuji², Toshinobu Nakamura¹, Katsumi Shibata²
¹Nagahama Institute of Bio-Science and Technology, Japan, ²The University of Shiga Prefecture, Japan

PS-02-p-012 Zinc Status, Physical Growth and Cognitive Development of 2-3-Year Old Children in Laguna, Philippines
Rodesa T. Naupal-Forcadilla
University of the Philippines Los Banos, Philippines

PS-02-p-013 Effects of Dietary Oil and Phosphorus Contents on Calcium Utilization in female Fischer Rats
Yoshiko Aoyama¹, Shizuko Ohtsuka², Nobuhiro Watanabe¹, Tomoko Kajiwara¹, Shoji Azami², Takao Kitano³
¹Material Research Center Co., Ltd, Japan, ²Tokyo Seiei College, Japan, ³Kumamoto University, Japan

PS-02-p-014 Cellobionic acid preserves hepatic iron storage level in adult female rats fed a low iron diet
Eri Fukuda¹, Yukiko Kobayashi¹, Naoyuki Matsunaga², Shiori Maeda¹, Masashi Kuwahata¹, Yoshiya Izumi², Yasuhiro Kido²
¹Kyoto Prefectural University, Japan, ²Institute of Technology, Japan

PS-02-p-015 Effects of dietary phosphoric acid on the progression of anemia in iron deficient rats
Mari Nakao¹, Hironori Yamamoto¹, Otoko Nakahashi¹, Shoko Ikeda¹, Kotaro Abe¹, Shiori Fukuda¹, Yutaka Takekami¹, Takeda Eiji²
¹Tokushima University, Japan, ²Jin-ai University, Japan

PS-02-p-016 Concentration of essential elements in brown and white jasmine rice samples of Thailand
Wannee Srinuttrakul, Arporn Busamongkol
Thailand Institute of Nuclear Technology (Public Organization), Thailand

PS-02-p-017 The effects of vitamin B₁₂ status on blood lipids in healthy adults
Youn-Ok Cho, Young-Nam Kim, Ji Young Choi
Duksum Women's University, Korea

PS-02-p-018 Effects of calcium phosphate citrate as a dietary calcium source on calcium balance in rats
Miho Hanai¹, Tsutomu Yoshida², Toshitaka Yasuda²
¹Kanagawa Institute of Technology, Japan, ²Toyo Suisan Kaisha, Ltd., Japan

PS-02-p-019 Soybean extracts increase zinc absorption by enhancing cell surface Zip4 expression
Ayako Hashimoto¹, Masakazu Takahashi², Hiroshi Narita², Yuyuka Miyahira¹, Masaya Nagao¹, Taiho Kambé¹
¹Kyoto University, Japan, ²Fukui Prefectural University, Japan

PS-02-p-020 Nocturnal eating disturbs phosphorus excretion in young subjects
Masae Sakuma, Saaya Noda, Yuuka Morimoto, Akitsu Suzuki, Kanako Nishino, Sakiko Ando, Minako Umeda, Makoto Ishikawa, Hidekazu Arai
The University of Shizuoka, Japan
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**PS-02-p-021** Low-dose daily intake of vitamin K2 (menaquinone-7) improves osteocalcin γ-carboxylation  
Naoko Inaba, Toshiro Sato, Takatoshi Yamashita  
J-Oil Mills, INC., Japan

**PS-02-p-022** Effect of Iron Deficiency on Antioxidative System in Rat Duodenum  
Shoko Shinoda, Machiko Yamamoto, Yurina Imooka  
Tokyo Metropolitan University, Japan

**PS-02-p-023** Effects of dietary zinc supplementation on tissue mineral distribution and bone metabolism in rats  
Takako Suzuki, Shin-ichi Katsumata, Hiroshi Matsuzaki, Kazuharu Suzuki  
Tokyo University of Agriculture, Japan

**PS-02-p-024** The inhibitory effect of carbonyl iron load on vitamin E metabolism in rats  
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Hironori Yamamoto¹, Shoko Ikeda², Mari Nakao², Yutaka Taketani², Eiji Takeda²  
¹Jin-ai University, Japan, ²Tokushima University, Japan

**PS-02-p-026** Effects of menaquinone-4 and geranylgeraniol on testosterone production in testis-derived tumor I-10 cells  
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Tohoku University, Japan

**PS-02-p-027** Role of a TPA-responsive element in BMP-mediated hepcidin transcription  
Yohei Kanamori¹, Masaru Murakami², Tohru Matsui¹, Masayuki Funaba¹  
¹Kyoto University, Japan, ²Azabu University, Japan

**PS-02-p-028** Determination and Characterization of Vitamin B₁₂ Compounds in Food Ingredients used in Chinese Cuisine  
Fei Teng¹, Shigeo Takenaka², Yukinori Yabuta¹, Fumio Watanabe¹  
¹Tottori University, Japan, ²Osaka Prefecture University, Japan

**PS-02-p-029** Dietary supplemental vitamin B6 to a low vitamin B6 diet modulates gene expression of myokines in skeletal muscle of rats  
Shinji Uragami, Sofya Suidasari, Noriyouki Yanaka, Norihisa Kato  
Hiroshima University, Japan

**PS-02-p-030** Effects of zinc deficiency on locomotive activity and plasma melatonin concentrations in growing rats  
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University of Nagasaki Siebold, Japan

**PS-02-p-032** Effect of High-Fat Diet on Behavior of Ascorbic Acid in C57BL6/J Mice  
Minami Murai¹, Yoko Sato¹, Yasuko Sone², Ayumi Isaka¹, Chisa Nishimura¹, Mayuko Kogure¹, Noriko Miyake², Emiko Suzuki¹  
¹Ochanomizu University, Japan, ²Takasaki University of Health and Welfare, Japan

**PS-02-p-033** The role of zinc supplementation in IL-17- induced primary airway smooth muscle cells inflammation  
Ai-Jhen Lee, Wei-Syuan Huang, Ya-ling Chiou  
Hungkung University, Taiwan

**PS-02-p-034** Iron deficiency regulates oxidative stress via inducing anti-oxidant enzymes and activating autophagy  
Hirofumi Inoue¹,², Nobuaki Hanawa¹,², Nobuyuki Takahashi¹,², Mariko Uehara¹,²  
¹Laboratory of Physiology and Metabolism, ²Tokyo University of Agriculture, Japan
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**PS-02-p-035** The mechanisms of oligo Fucoidan inhibited abnormal growth of airway smooth muscle cells  
Chiung-Fang Tsao, Ai-Jhen Lee, Ya-Ling Chiou  
Hungkung University, Taiwan

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1Niigata University of Pharmacy and Applied Life Sciences, Japan, 2Tohoku University, Japan

**PS-02-p-037** Food-deprivation synchronizes cyclic feeding of zinc-deficient rats  
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1Ochanomizu University, Japan, 2Takasaki University of Health and Welfare, Japan, 3Tokyo Kasei Gakuin University, Japan

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Hiromi Katsura, Yukio Doi  
1Kyoto Women's University, Japan, 2Ryukoku University, Japan

**PS-02-p-042** Magnesium cancels the extra-calcium-phosphorus-induced cell death of pre-chondrogenic cells  
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1Tokushima University, Japan, 2Jin-ai University, Japan

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Tokoha University, Japan

**PS-02-p-045** Analysis of abnormal phosphorus metabolism in fasting status  
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University of Hyogo, Japan

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1UNITIKA LTD., Japan, 2Aichi Gakuin University, Japan

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The University of Tokushima School of Medicine, Japan

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1Tokoha University, Japan, 2Prefectural University of Nagasaki-Siebold, Japan

**PS-02-p-049** The effect of high phosphorus intake in rat lipid metabolism  
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Haruka Sato¹, Yuki Kawamura¹, Shihó Tomino¹, Mariko Sonoda¹, Ikuyo Ichí¹, Yasuko Sone², Tomoko Ishikawá¹, Yoko Fujiwará¹  
¹Ochanomizu University, Japan, ²Takasaki University of Health and Welfare, Japan

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Kayo Yamamoto, Michiyó Sasagawá, Akihiko Nakagawá, Kouji Kajinami  
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Satoshi Takasugi, Miho Akutsu, Masami Kitade, Masashi Nagata, Taketo Yamaji  
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Jun Takebayashi, Michiko Kato, Teruki Matsumoto, Yoshiko Ishimi  
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Yong-Han Hong¹, Shih-Wei Wang², Yu-Chun Tsai²  
¹I-Shou University, Taiwan, ²E-DA Hospital, Taiwan

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Keisuke Tsuzuki, Setsuko Inoué  
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Airi Otsuka, Tetsuya Shiuchi, Sachiko Chikahisa, Junji Terao, Hiroyoshi Sei  
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Miki Tokunaga¹, Kaori Azeno¹, Masami Niwa², Kin-ya Kubo³, Yoshiyuki Hirano⁴, Junzo Mizuno⁵, Minoru Onozuka⁶, Toru Takahashi¹  
¹Fukuoka Women's University, Japan, ²Ibi Kosei Hospital, Japan, ³Seijô University, Japan, ⁴Chiba University, Japan, ⁵Kanagawa Dental College, Japan
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PS-02-p-062  Associations between physical activity and sedentary behaviour with cognitive function among healthy adolescents in Kuala Lumpur, Malaysia
Kar Hau Chong, Norimah A. Karim, Ponnusamy Subramaniam, Bee Koon Poh
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PS-02-p-063  Green Tea By Product Extract Improves the Cognitive Function in an Animal Model of Alzheimer’s Disease
Watcharaporn Preedapirom¹, Rattiya Sombutthaweekul², Nuntavan Bunyapraphatsara³, Niwat Taepavarapruk¹, Pornnarin Taepavarapruk¹
¹Naresuan University, Thailand, ²Rangsit University, Thailand, ³Mahidol University, Thailand

PS-02-p-064  Norms for Developmental Milestone and Executive Function in South Indian children aged 2-5 years and association with anthropometric measures
Sumithra Selvam¹, Tinku Thomas¹, Priya Shetty¹, Vijaya Raman¹, Deepti Khanna², Ruchika Mehra², Anura Kurpad¹, Srinivasan K¹
¹St. John’s National Academy of Health Sciences, India, ²GlaxoSmithKline (GSK) Consumer Healthcare Ltd, India

PS-02-p-065  Individual response of the autonomic nervous system to the green odor of young barley grass extract
Yasuyuki Aotsuka¹, Yoshimitsu Okita², Morome Ukeguchi¹, Isao Takahashi², Motohiko Kimura³, Toshifumi Sugiura¹, Harunobu Nakamura³
¹JPD Co., Ltd., Japan, ²Shizuoka University, Japan, ³Kobe University, Japan

PS-02-p-066  Brain-specific Phgdh deficient mice exhibit decrease in serine enantiomers and sexually dimorphic behavioral alterations
Haruka Imai¹, Tadashi Ogo¹, Takashi Ichinose¹, Akane Nakahata¹, Yasuhiro Shimizu¹, Yutaka Kawarabayashi¹, Keizo Takao², Tsuyoshi Miyakawa³, Yoshihito Hirabayashi³, Shigeki Furuya¹
¹Kenkyushu University, Japan, ²National Institute for Physiological Sciences, Japan, ³Fujita Health University, Japan, ⁴Riken Brain Institute Science, Japan

PS-02-p-067  Effect of sphingomyelin-containing milk phospholipids concentrate feeding on learning and memory behavior in rats
Mako Enokida¹, Nozomi Kawai¹, Takafumi Sato¹, Asumi Shimosato¹, Satoshi Higurashi², Yuko Haruta², Takashi Yamada¹, Hidehiko Yokogoshi¹
¹Chubu University, Japan, ²Megmilk Snow Brand Co. Ltd., Japan

PS-02-p-068  Nutritional and Psychological Factors Associated with Cognitive Ability among 12 to 13 Year-Old Malay Adolescents in Selangor, Malaysia
Nurliyana Abdul Razak, Mohd Nasir Mohd Taib, Zalilah Mohd Shariff, Rohani Abdullah
Universiti Putra Malaysia, Malaysia

PS-02-p-069  Psychostimulant vs. Motor Effects of VIA Instant Coffee
Alixandra H Fidler, Jesse White, Allison Feucht, Derek Hosier, Amanda Wise, Sean Mohney, Lonnie Lowery
University of Mount Union, USA

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Kayoko Uezu¹, Mika Honda¹, Shihumi Fukuda¹, Yuka Hoshiko¹, Nagisa Hayashida¹, Eiko Uezu²
¹Kwassui Women's University, Japan, ²University of the Ryukyus, Japan

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Sadako Nakamura¹, Kenichi Tanabe², Tsuneyuki Oka³
¹Jumonji University, Japan, ²University of Nagasaki, Japan

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Keita Takahashi¹,², Kentaro Shimokado², Akhito Ishigami¹
¹Tokyo Metropolitan Institute of Gerontology, Japan, ²Tokyo Medical and Dental University, Japan

PS-02-p-073  Development of a reporter assay system to screen for phytochemicals mimicking the anti-aging effects of calorie restriction
Chiba Takuya¹, Ohata Yoshihisa¹, Wang Zi¹, Nishizono Shoko³, Shimokawa Isao³
¹Waseda University, Japan, ²Sojo University, Japan, ³Nagasaki University, Japan

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¹National Institute of Health Sciences, Japan, ²Tokyo Healthcare University, Japan |
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¹SHARP Corporation, Japan, ²Osaka City University, Japan |
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¹Tohoku University, Japan, ²Okayama Prefectural University, Japan |
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¹Kyoto Women's University, Japan, ³Osaka University of Economics, Japan |
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¹Kobe Women's Junior College, Japan, ²Kobe Women's University, Japan, ³Ritsumeikan Global Innovation Research Organization, Japan, ⁴Meiji School of Oriental Medicine, Japan |
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¹National Cheng Kung University, Taiwan, ²Providence University, Taiwan |
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¹National Cheng Kung University, Taiwan, ²Providence University, Taiwan |
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¹University of the Ryukyus, Japan, ²Kwassui Women's University, Japan |
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1Mahidol University, Thailand, 2Friesland Campina Development Centre AMEA, Singapore

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Fabrice Fabien Dongho Dongmo¹, Annie Ngono Ngane¹, Adelaide Demasse Mawambara¹, Floriane Schweigert², Innocent Gouado¹  
¹University of Douala, Cameroon, ²University of Potsdam, Germany

**PS-02-p-171**  
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Mahidol University, Thailand

**PS-02-p-172**  
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Pei Han Huang, Chih-Hsin Tang  
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Chun-Ming Chen, Chih-Hsin Tang  
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Rie Funayama¹,², Chisa Ogura²,³, Kaori Shimizu³, Reiko Kunisaki³, Mieko Takahashi³, Hirotaka Shimizu², Arai Katsuhiro²  
¹Tokyo Kasel University, Japan, ²National Center for Child Health and Development, Japan, ³Yokohama City University Medical Center, Japan

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¹University of Ruhuna, Sri Lanka, ²Baylor College of Medicine, USA

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Chiba University, Japan

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Ayu Matsunaga¹, Mao Arita¹, Kumiko Kizu², Junko Hirose³, Hiroshi Narita¹  
¹Kyoto Women’s University, Japan, ²Osaka Seikei College, Japan, ³The University of Shiga Prefecture, Japan

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Mahidol University, Thailand
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PS-02-p-184 Prebiotic effects of inulin in 3-5 months old formula fed infants in Indonesia
Hanifah Oswari1, Ariani Dewi Widodo1, Frieda Handayani1, M. Juffrie2, Tonny Sundjaya3, Jacques Bindels4, Badriul Hegar1
1Universitas Indonesia / Indonesian Pediatric Society (IDAI), Indonesia, 2Universitas Gajah Mada / Indonesian Pediatric Society (IDAI), Indonesia, 3Sanirhusada Research and Development Nutrition Center, Indonesia, 4Danone Nutricia Early Life Nutrition, Singapore

PS-02-p-185 Zinc status at late infancy predicted height at later childhood
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PS-02-p-186 Essential Fatty Acid Composition of Breast Milk at Different Region and Different Lactation Age in Indonesia
Ahmad Sulaeman, Ikeu Ekayanti, Hardinsyah Hasibuan
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Yuko Yoshimoto1, Emako Miyoshi1, Yoshinori Sumimura1, Son Hong Trinh2
1Osaka University, Japan, 2National Institute of Nutrition, Vietnam

PS-02-p-188 Prolonging Multi Micronutrients Supplementation during Preconception Period Significantly Improve Pregnancy Outcomes: A Randomized Double Blind Community-Based Trial
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Universitas Hasanuddin, Indonesia

PS-02-p-190 Serum Albumin is an Early Determinant for Successful Weaning from Mechanical Ventilation in the Respiratory Care Center Patients
Chu-Ya Yang1, Hsin-Yi Chen2, Shih-Chien Huang3
1Kainan University, Taiwan, 2Dalin Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Taiwan, 3Chung Shan Medical University, Taiwan

PS-02-p-191 Efficacy and Safety of Fish Oil in Treatment of Knee Osteoarthritis
Pornrawee Peanpadungrat
Thammasat University, Thailand

PS-02-p-192 Seal oil attenuates hepatic inflammation in NASH model mice
Takayo Kawakami1, Yasuko Murakami2, Mayumi Tabuchi1, Satoko Hiramatsu1, Miho Mihara1
1Okayama Prefectural University, Japan, 2Fukuymama University, Japan

PS-02-p-193 Low carbohydrate diet effects on the metabolic regulation system in obese and non-obese mice
Shinya Kadowaki, Tomoko Kaburagi, Satoru Oshiro
Daio Bunka University, Japan

PS-02-p-194 Beneficial Effects of Fish Intake on Serum Lipids and Adipokines
Kumiko Kawakita, Shinichi Takenoyama, Tsuneo Ogawa
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PS-02-p-195 Pathological progress by L-DOPA in Parkinson’s diseases model mouse was diminished by squalene administration
Hideaki Kabuto1, Tomoko T. Yamanushi1, Fusako Takayama2, Mitsumasa Mankura3
1Kagawa Prefectural University of Health Sciences, Japan, 2Okayama University, Japan, 3Kurashiki Sakuyou University, Japan

PS-02-p-196 Relationship of vitamin D deficiency and the markers of metabolic syndrome among overweight and obese adults
Fatemeh Kaseb1, Kimia Haghhighyfard1, Maryam Salami2, Akram Ghadiri2
1Shahid Sadoughi University of Medical Sciences, Iran, 2Yazd Diabetes Research Center, Iran.

PS-02-p-197 The role of transcriptional factor FOXO1 in satellite cell action
Atsushi Yamashita1, Yukino Hatazawa1, Shinji Miura2, Yusuke Ono3, Yasutomi Kamei1
1Kyoto Prefectural University, Japan, 2University of Shizuoka, Japan, 3Nagasaki University, Japan
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Kenji Toyama1, Kawano Rumiko2, Mayumi Ishida3, Nakazawa Mayumi3, Hiroyuki Tezuka3
1Kanagawa University of Human Services, Japan, 2Juntendo University, Japan, 3Juntendo University Koshigaya Hospital, Japan

PS-02-p-199 Low cardiorespiratory fitness may be related to a higher risk of metabolic syndrome in non-obese adult Japanese females
Koji Okamura1, Junko Dojo2, Masayas Nagano2, Takahide Matsumoto2, Yoshito Matsumoto2
1Osaka University of Health and Sport Sciences, Japan, 2Oita Adult Security Institutes, Japan, 3National Institute of Fitness and Sports in Kanoya, Japan, 4Health Fitness Forum

PS-02-p-200 Intercountry Comparison of Clinical Dietitian's Job Stress Between America and Japan
Kumiko Kato, Daiki Habu
Osaka City University, Japan

PS-02-p-201 The effects of emulsion type of parenteral nutrition on inflammatory responses and blood glucose in critically ill patients
Pei-Rong Li1, Yi-Chia Huang2
1Tungs Taichung MetroHarbor Hospital, Taiwan, 2Chung Shan Medical University, Taiwan

PS-02-p-202 Riceberry Bran Extract Protects Gentamicin-Induced Nephrotoxicity through Modulating Nrf-2 Pathway
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Chiang Mai University, Thailand

PS-02-p-203 Difficulty in dairy cooking among patients with rheumatoid arthritis: a potential impact on diet intake and nutrition
Yuki Mizukami1, Nozomi Okubo1, Mayu Okuhara1, Shigeto Tohma2, Toshihiro Matsui2, Kayo Masuko1
1Sagamihara Women's University, Japan, 2Sagamihara National Hospital, Japan

PS-02-p-204 Effect of different sweetener beverages on postprandial antioxidant status in healthy men
Charoonn Chusak1, Chatrapa Hudthagosol2, Pachsiree Lhaothong2, Promluck Somboonpanyakul3, Sirichai Adisakwattana4
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PS-02-p-205 Future prospects from outcomes of the International Nutrition Survey2013 in our institute
Kazuyuki Oka, Masakazu Yoneda, Makoto Kobayashi
Toyooka Public Hospital, Japan

PS-02-p-206 Factors associated with bone quality in Thai school-aged children
Kallaya Kijboonchoo1, Weerachat Srichan1, Uruwan Yamborisut1, Wanphen Wimonpeerapattana1, Nipa Rojroongwasinkul2, Paul Deurenberg3
1Mahidol University, Thailand, 2Paul Deurenberg Nutrition Consultant, Malaysia, 3Marjolijn Bragt FrieslandCampina Development Centre AMEA, Singapore

PS-02-p-207 Effect of new enteral nutrition formula "Hine E -Gel" on the rat diarrhea model
Shinya Miki, Haruka Yamashita, Naoyuki Endo, Goro Ebisu, Hiroshi Ikawiki
Otsuka Pharmaceutical Factory, Inc., Japan

PS-02-p-208 Effects of dietary intake of n-3 polyunsaturated fatty acids on serum TG and RLP-C levels in schizophrenic inpatients
Miki Nakano1,2, Mio Takaku2, Midori Kawabe2, Minoru Ajihara2, Seiichi Nakayama2, Toru Katou2, Akira Tanaka3
1National Center for Child Health and Development, Japan, 2Tochigi Medical Center, Japan, 3Kagawa Nutrition University, Japan

PS-02-p-209 The characteristics of transgenic mice overexpressing GMF under oxidative stress
Rika Imai1, Yoko Yasui1,2, Satoko Tamura1,2, Jun-ichi Hanai1, Masaru Takenaka1
1Kobe Women’s University Graduate School, Japan, 2Osaka City University, Japan, 3Ohno Memorial Hospital, Japan, 4Beth Israel Deaconess Medical Center, Harvard Medical School

PS-02-p-210 The effects of intake of the drinking water including citric acid on urinary electrolyte during basketball game in summer
Yusuke Takagi1, Kazutoshi Seki2, Norihiro Yamada1, Ryoji Kasanami3
1Tezukayama University, Japan, 2University of Marketing and Distribution Sciences, Japan, 3Nara university of Education, Japan
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PS-02-p-211  Anemia and associated factors among young children aged 0 to 24, months in Bangang rural community (Cameroon)
Mananga Ms. Marlyne-Josephine¹, Marie Modestine Dr. Kana Sop², Nicolas Mr. Nolla², Ekoe Prof. Tetanye¹, Innocent Prof Gouado²
¹Yaoundé I University, Cameroon, ²Douala University, Cameroon

PS-02-p-212  Implementation Kadarzi of Under-Five And Nutritional Status of Public Health Center Payolansek Distric West Payakumbuh, West Sumatera, Indonesia
Sri Darmayanti Darmayanti¹, Ice Yolanda Puri²
¹Public Health Center Payolansek, Indonesia, ²Andalas University, Indonesia

PS-02-p-213  Validation of simple nutrition screening tool as a screening tool for hospital malnutrition in Indonesia
Susetyowati Susetyowati
Universitas Gadjah Mada, Indonesia

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PS-02-p-214  Intake of vegetables by junior high school students in Tokushima Prefecture estimated using the BDHQ (15y)
Naoko Ogawa, Tomoko Inubushi, Junko Matsushima, Seiichi Hashida
Tokushima Bunri University, Japan

PS-02-p-215  Hypoalbuminemia predicts all-cause death and cause-specific death: 15-year follow-up study in a community-based cohort (Tanushimaru Study)
Yoko Umeki¹, Hisashi Adachi¹, Mika Enomoto¹, Ako Fukami¹, Sachiko Nakamura¹, Yume Nohara¹, Erika Nakao¹, Hitomi Hayabuchi², Yoshihiro Fukumoto¹
¹Kurume University School of Medicine, Japan, ²Fukuoka Women's University, Japan

PS-02-p-216  Association of living alone with nutrient intake in elderly Japanese women
Yasumi Kimura¹, Hiroko Kuwada¹, Hinako Ito¹, Satoko Hiramatsu², Michiko Fuchigami¹
¹Fukuyama University, Japan, ²Okayama Prefectural University, Japan

PS-02-p-217  Nutrition and Immunity Among Urban Elderly After Six Months of Daily Supplementation
Rina Kumiasri Kusumaratna
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PS-02-p-218  Factors modifying the risk for death and hospitalization among the Japanese elderly with protein-energy malnutrition living in long-term care facilities
Kento Takada¹, Asami Kijima¹, Michiko Sugiyama¹, Hiromi Enoki², Kazuko Ishikawa-Takata³, Satoko Ohara⁴
¹Kanagawa University of Human Services, Japan, ²Aichi Shukutoku University, Japan, ³National Institute of Health and Nutrition, Japan, ⁴Kyoto Medical and Dental University, Japan

PS-02-p-220  Comparison of Body Mass Index and Physical Activity Level between Community Living and Pondok Institutions Elderly in Kelantan, Malaysia
Siti Suhaili Ismail, Wan Manan Wan Muda, Hamid Jan Jan Mohamed
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PS-02-p-220  Comparison of Body Mass Index and Physical Activity Level between Community Living and Pondok Institutions Elderly in Kelantan, Malaysia
Siti Suhaili Ismail, Wan Manan Wan Muda, Hamid Jan Jan Mohamed
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PS-02-p-221  Protein-energy malnutrition risk and associated factors among frail elderly people in a Japanese community: a cross-sectional study
Kaori Nagase
Kanagawa University of Human Services, Japan

PS-02-p-222  Association of dietary habits, anthropometric data and sarcopenia among the healthy community-dwelling elderly
Sonoko Umetsu, Ikuko Gomi, Hideki Taniguchi
Kanagawa University of Human Services, Japan
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**PS-02-p-223** Undernutrition risk assessment tool for institutionalised elderly in Sri Lanka: Elderly Undernutrition Screening Tool (EUST)
Rathnayake M. Kumari1, 2, S. Rahanan1, Michelle Weech2, Kim G. Jackson2, Julie A. Lovegrove2
1Wayamba University of Sri Lanka, Sri Lanka, 2University of Reading, UK

**PS-02-p-224** Places for Physical Activity and Obesity among Brazilian Adults: A Multilevel Analysis
Gustavo Velasquez Melendez1, Fernanda P. Matozinhos1, Crizian S. Gomes1, Larissa L. Mendes2, Milene C. Pessoa3
1Universidade Federal de Minas Gerais, Brazil, 2Universidade Federal de Juiz de Fora, Brazil, 3Universidade Federal de Viçosa, Brazil

**PS-02-p-225** Obesogenic Environments: Exploring the Food Environments in an Urban Population of Brazil
Gustavo V. Melendez1, Fernanda P. Matozinhos1, Crizian S. Gomes1, Larissa L. Mendes2, Milene C. Pessoa3
1Universidade Federal de Minas Gerais, Brazil, 2Universidade Federal de Juiz de Fora, Brazil, 3Universidade Federal de Viçosa, Brazil

**PS-02-p-226** Prevalence of anorexia nervosa in adolescents in Japan
Eiko Sugiyama1, Shin Yokoyama2, Mari Hotta3,4, Reiko Horikawa5, Tadato Yonekawa7, Masamitsu Nakazato6, Yuri Okamoto6, Chisato Ohara6, Yoshihiro Ogawa9
1Nagano Prefectural College, Japan, 2Nagano Red Cross Hospital, Japan, 3National Graduate Institute for Policy Studies, Japan, 4Tokyo Women’s Medical University, Japan, 5National Center for Child Health and Development, Japan, 6Kumamoto University Hospital, Japan, 7University of Miyazaki, Japan, 8Hiroshima University, Japan, 9Tokyo Medical and Dental University, Japan

**PS-02-p-227** Eating habits and work-family conflict
Mamiko Kurotani
Aichi Gakusen University, Japan

**PS-02-p-228** Milk fortified with vitamin D could reduce the prevalence of vitamin D deficiency among Japanese female college students
Yoshio Suzuki, Asako Maruyama-Nagao, Keishoku Sakuraba, Sachio Kawai
Juntendo University, Japan

**PS-02-p-229** Macronutrient intake and sleep: cross-sectional associations in a cohort of community dwelling men
Yingting Cao, Anne Taylor, Gary Wittert, Zumin Shi
University of Adelaide, Australia

**PS-02-p-230** Associations between dietary behaviors and rotating shift work among Japanese nursing staff
Yoshizaki Takahiro1, Kawano Yukari2, Noguchi Osamu2, Onishi Junko3, Teramoto Reiko3, Sunami Ayaka3, Yokoyama Yuri3, Tada Yuki3, Hida Azumi3, Togo Fumiharu4
1Toyo University, Japan, 2Tokyo University of Agriculture, Japan, 3Kumamoto University Hospital, Japan, 4The University of Tokyo, Japan

**PS-02-p-231** Diet during active phase impairs reproductive function in post-adolescent female rats
Tomoko Fujinari1, Fumino Yamagishi2, Akane Matsumoto2, Rieko Nakata2
1Ashiya College, Japan, 2Nara Women's University, Japan

**PS-02-p-232** Research on Bone Mineral Density of Female High School Long-Distance Track and Field Athletes
Kimiko Miyahara1, Ikue Soga2, Kyoko Morimoto2, Reiko Yanai3, Keiki Ogino4
1Shukutoku University, Japan, 2Mimasaka University, Japan, 3Kurashiki Saku University, Japan, 4Okayama University, Japan

**PS-02-p-233** Psychological predictors of weight loss in Chinese overweight and obese adult participants of a lifestyle modification program
Alice W.Y. Leung, Ruth S.M. Chan, Mandy M.M. Sea, Jean Woo
The Chinese University of Hong Kong, Hong Kong

**PS-02-p-234** Cross-sectional study on the relationship between probiotic milk consumption and health status in older Japanese: body weight and morbidity
Sanae Saitoh1, Jun-ichi Minami2, Naotake Yanagisawa2, Toshitaka Odamaki2, Jinzhong Xiao2, Fumiaki Abe3, Taeko Shimoda1, 3
1Tokyo Healthcare University, Japan, 2Morinaga Milk Industry Co., Ltd., Japan, 3Tenshi College, Japan
PS-02-p-235 Cross-sectional study on the relationship between probiotic milk consumption and health status in older Japanese: lifestyle and lifestyle-related disease  
Taeko Shimoda1,2, Sanae Saitoh2, Jun-ichi Minami3, Naotake Yanagisawa1, Toshitaka Odamaki3, Jinzhong Xiao3, Fumiaki Abe2  
1Tenshi College, Japan, 2Tokyo Healthcare University, Japan, 3Morinaga Milk Industry Co., Ltd., Japan

PS-02-p-236 Cross-sectional study on the relationship between probiotic milk consumption and health status in older Japanese: relationship with sleeping status  
Naotake Yanagisawa1, Jun-ichi Minami3, Sanae Saitoh2, Toshitaka Odamaki3, Jinzhong Xiao3, Fumiaki Abe2, Taeko Shimoda2,3  
1Morinagamilk Industry Co., Ltd., Japan, 2Tokyo Healthcare University, Japan, 3Tenshi College, Japan

PS-02-p-237 Diet and lifestyle features of groups of Japanese individuals classified according to metabolic syndrome criteria  
Katsushi Yoshita1, Keiko Ochiai2, Nahoko Baba2, Michiko Morikawa2, Chiaki Yamazaki2, Akemi Misawa1, Yoko Tsubakimoto1, Yasuko Sakaida1, Osamu Kushida1, Tatsuya Koyama1, Akiko Iwashashi1, Tomoe Fukumura1, Masasi Tabata2  
1Osaka City University Graduate School of Human Life Science, Japan, 2Ishikawa Health Service Association, Japan

PS-02-p-238 The relationships between obesity-related genetic variation and lifestyle in normal Japanese subjects  
Ohara Eiji1, Hisaki Kumiko2, Sakai Takashi2  
1Osaka Yuhigaoka-gakuen Junior College, Japan, 2Osaka International College, Japan

PS-02-p-239 Relationship between Personal Factors, Physical Environment Factors and Body Weight with Physical Activity Level among Adolescents  
Hazizi A. Saad, Jia Yan Fam  
Universiti Putra Malaysia, Malaysia

PS-02-p-240 What did she ask? Women's expressions of concern through social media about nutrition and weight management  
Thanit Vinitchagoon, Buppha Saisin, Manussanun Pitisrisith, Araya Sangtien, Kanokphat Anantsupasak  
Dietitians4Change Network, Thailand

PS-02-p-241 The impact of menstrual cycle phase on the cardiac autonomic nervous system through changes in diet, physical activity and sleep  
Yuki Tada1, Takahiro Yoshizaki1, Ayaka Sunarmi1, Yori Yokoyama1, Jun Yasuda1, Ayumi Nakai3, Kazuto Sasaki3, Azumi Hida1, Yukari Kawano1  
1Tokyo University of Agriculture, Japan, 2Toyo University, Japan, 3Tokyo University of Agriculture, Japan

PS-02-p-242 Factors influencing the body image of Japanese college students  
Tomoko Inami1, Masaharu Kagawa2, Satomi Maruyama3, Toru Takahashi4, Hatsuaki Yamamoto5, Hayato Uchida6, Michiko Koda7, Hiromi Hida1, Yukari Kawano1  
1Doshisha Womens College of Liberal Arts, Japan, 2Kagawa Nutrition University, Japan, 3Kinjo Gakuin University, Japan, 4Fukuoka Womens University, Japan, 5Kiryu University, Japan, 6University of Hyogo, Japan, 7Chubu University, Japan

PS-02-p-243 Major dish groups contributing to sodium intake in Korean adults: Based on the KNHANES 2010-2012  
YangHee Park, Sang-Jin Chung, Mi-Hyeon Park  
Kookmin University, Korea

PS-02-p-244 The situation of the young female rhythmic gymnasts  
Mizuhyo Ban1, Ayumi Kunimoto2, Shigeshi Kikunaga2  
1Osaka Seikei University, Japan, 2Notre dame Seishin University, Japan, 3Kurashiki Sakuyo University, Japan

PS-02-p-245 Cardiovascular health factors evaluation in the Brazilian urban population  
Fernanda P Matosinhos, Mariana S Felisbino Mendes, Crizian S Gomes, Ann K Jansen, Isis E Machado, Gustavo Velasquez Melendez  
Universidade Federal de Minas Gerais (UFMG), Brazil

PS-02-p-246 Lifestyle and body weight changes over two years in female nursing students  
Ryodai Yamamura, Akane Kato, Natsumi Hirai, Saki Maeda, Taro Yamauchi  
Hokkaido University, Japan
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**PS-02-p-247** Randomized controlled trial aiming at increase of vegetables intake in Japanese university students  
Makoto Ohtsuki	extsuperscript{1}, Ryo Tanaka	extsuperscript{1}, Chihiro Hasegawa	extsuperscript{1}, Katsumi Shibata	extsuperscript{2}, Tutomu Fukuwatari	extsuperscript{3}, Yuko Asai	extsuperscript{2}, Yuko Sasaki	extsuperscript{4}, Kunihiko Nakai	extsuperscript{5}  
	extsuperscript{1}Suzuka University of Medical Science, Japan,  
	extsuperscript{2}The University of Shiga Prefecture, Japan,  
	extsuperscript{3}Matsusaka Public Health Center, Japan,  
	extsuperscript{5}Sendai Shirayun Women’s College, Japan,  
	extsuperscript{5}Tohoku University, Japan

**PS-02-p-248** Lifestyle habits of Japanese electric company workers  
Fumi Hirayama, Keiji Yasukawa, Yukio Ishihara  
Kyushu University, Japan

**PS-02-p-249** Association between the midpoint of sleep, and dietary intake and mental health-related quality of life in elderly Japanese women  
Natsuko Sato-Mito	extsuperscript{1}, Eka Fujimoto	extsuperscript{2}  
	extsuperscript{1}Azabu University, Japan,  
	extsuperscript{2}Japan Women’s University, Japan

**PS-02-p-250** Serum 25-hydroxyvitamin D levels are not associated with the reduction of a calcaneus quantitative ultrasound parameter in young adult females  
Eri Nakazono	extsuperscript{1,2}, Hitomi Miyazaki	extsuperscript{1,2}, Shimako Abe	extsuperscript{2}, Katsumi Imai	extsuperscript{1,2}, Takashi Masuda	extsuperscript{2}, Masako Iwamoto	extsuperscript{1,2}, Riiriko Moriguchi	extsuperscript{1,2}, Hiromi Ueno	extsuperscript{2}, Misaki Ono	extsuperscript{1,2}, Shuji Nakano	extsuperscript{1,2}, Hiroko Tsuda	extsuperscript{1,2}  
	extsuperscript{1}Nakamura Gakuen University, Japan,  
	extsuperscript{2}Health Promotion Center, Japan

**PS-02-p-251** Associations of Body Weight Status, Dietary Intake and Sedentary Behavior with Physical Activity Level among University Students  
Zuriati Ibrahim, Nursha’adah Taib  
Universiti Putra Malaysia, Malaysia

**PS-02-p-252** A Survey of the Development of a Dietary Education Program for Young Women: Association Between BMI and Energy Intake  
Masako Yokotsuka	extsuperscript{1}, Masako Arashi	extsuperscript{2}, Satoru Iwa	extsuperscript{3}, Mariko Watanabe	extsuperscript{4}, Kazue Yamaoka	extsuperscript{5}, Toshio Tango	extsuperscript{6}  
	extsuperscript{1}Showa Women’s University, Japan,  
	extsuperscript{2}Sagami Women’s University, Japan,  
	extsuperscript{3}Bunkyo University, Japan,  
	extsuperscript{5}Showa Women’s University, Japan,  
	extsuperscript{6}Teikyo University, Japan

**PS-02-p-253** Association between smoking status and plant based food consumptions in Japanese: a large-scale cross-sectional study  
Kaori Endoh	extsuperscript{1}, Kiyonori Kuriki	extsuperscript{1}, Toshinao Goda	extsuperscript{1}  
University of Shizuoka, Japan

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**PS-02-p-254** Case incidents involving registered dietitians at medical institutions: Analysis by KJ method  
Yoko Hosoyamada  
Shukutoku University, Japan

**PS-02-p-255** Analyses of incident contents of institutional food service in the kitchen of a general hospital, Chubu Region, Japan  
Satomi Maruyama	extsuperscript{1}, Mitsuaki Ichie	extsuperscript{2}, Tadahisa Tsuruta	extsuperscript{2}  
	extsuperscript{1}Kirjo Gakuin University, Japan,  
	extsuperscript{2}Nagoya Ekisaikai Hospital, Japan

**PS-02-p-256** Electronic Meal Ordering System <(eMOS)> <-> a Tripartite of Inpatient Mealservice  
Gladys HC Wong, Wong HL Pamela  
Khoo Teck Puat Hospital, Singapore

**PS-02-p-257** A buffet lunch that considered texture improved food intake and satisfaction with diet in hospitalized cancer patients  
Hirofumi Takahashi	extsuperscript{1,2}, Kumiko Totsuka	extsuperscript{1}, Tomomi Kosugi	extsuperscript{1}, Katsumi Arai	extsuperscript{1}, Hiroko Iwabe	extsuperscript{1}, Masae Ikeda	extsuperscript{1}, Hitomi Hiroshima	extsuperscript{1}, Hiroaki Suzuki	extsuperscript{1}  
	extsuperscript{1}University of Tsukuba Hospital, Japan,  
	extsuperscript{2}University of Tsukuba, Japan

**PS-02-p-258** The Effects of Room Service to Improve Patients’ Food Satisfaction and Food Acceptance  
Muhammad Iqbal	extsuperscript{1}, Susetyowati Susetyowati	extsuperscript{2}, Martalena Br. Purba	extsuperscript{3}  
	extsuperscript{1}University of Darussalam Gontor, Indonesia,  
	extsuperscript{2}Universitas Gadjah Mada, Indonesia,  
	extsuperscript{3}DR. Sardjito Hospital, Indonesia
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PS-02-p-259 Problems and considerations associated with the introduction of a soft food in nursing homes
Atsue Inaba¹, Maya Uenoe¹, Mariko Hayakawa¹, Kazuo Wakahashi¹², Ayana Kosaki¹², Natsumi Waku¹, Yukio Sato¹, Shoko Ando³, Rie Kato³
¹Nagoya Keizai University, Japan, ²Nagoya Keizai University Clinical Nutrition Center, Japan, ³Special nursing home Tanpopo Nene no Sato, Japan

PS-02-p-260 Glucose-fructose syrup in Polish selected food products
Malgorzata Schlegel-Zawadzka
¹Jagiellonian University Medical College, Poland, ²Military Institute of Hygiene and Epidemiology, Poland

PS-02-p-261 The associations of vegetable intake with frequency of eating vegetables grown in different areas in rural Japan
Osamu Kushida¹, Ryoji Ito², Seiki Kiyono², Nobuko Murayama³
¹Niigata University of Health and Welfare, Japan, ²Niigata University, Japan, ³University of Niigata Prefecture, Japan

PS-02-p-262 Financial incentive policies at workplace cafeterias for preventing obesity: a systematic review and meta-analysis (Protocol)
Kimi Sawada¹², Erika Ota², Sadequa Shahrrook², Rintaro Mori²
¹Kiryu University, Japan, ²National Center for Child Health and Development, Japan

PS-02-p-263 Methods of evaluating school lunch-based shokuiku initiatives utilizing the local produce
Chie Tokuhiro¹, Ikuko Shimada²
¹Kochi Prefecture Aki Health and Welfare Center, Japan, ²University of Kochi, Japan

PS-02-p-264 Fact-finding survey on the intake of healthy food and awareness
Yasuko Sannomaru, Takashi Akiyama, Mutsumi Fukaya, Sachihiko Numajiri, Masahiro Wada, Akira Terao
Josai University, Japan

PS-02-p-265 Relationship between vegetable consumption and vegetable growing among residents in Gunma, Japan
Daisuke Machida¹², Haruko Onoe¹, Toshiro Yoshida²
¹Meiwa Gakuen Junior College, Japan, ²Gunma University, Japan

PS-02-p-266 Improving the food environment through reformulation: A comparison of two nutrient profiling models
Gabriel Masset, Antonis Vlassopoulos, Monika Poter, Fabienne Leroy, Bianca Maria Vecchio, Veronique Rheiner Charles
Nestec SA, Nestle Research Center, Switzerland

PS-02-p-267 A novel nutrient profiling score to drive food reformulation
Fabienne Leroy, Monika Poter, Nicolas Pineau, Antonis Vlassopoulos, Gabriel Masset, Veronique Rheiner Charles
Nestec SA, Nestle Research Center, Switzerland

PS-02-p-268 Food Taboo Practices among Javanese Ethnicity in Indonesia
Rimbawan Rimbawan, Megawati Simanjuntak, Anna V.R. Mauludyani, Hana F. Navratilova, Nur Azizah
Bogor Agricultural University, Indonesia

PS-02-p-269 Food Taboo among Minangkabau Community in Indonesia
Anna Vipta Resti Mauludyani, Rimbawan Sukandar Martopuro, Katrin Roosita, Megawati Simanjuntak
Bogor Agricultural University, Indonesia

PS-02-p-270 Impact of Junk-Food on Nutritional Status of School Going Children of Durg City
Abhaya Ramdas Joglekar, Sandhya Anoop Verma, Rashmi Kashyap
Govt.D.B.P.G.College, India

PS-02-p-271 A novel strategy of a healthy diet recommendation system for personalized nutrition
Tomoko Banno¹, Tomono Uchida², Saiko Ikeda³, Hiroaki Oda⁴
¹College of Nagoya Women's University, Japan, ²Aichi Gakusen University, Japan, ³Nagoya University of Arts and Sciences, Japan, ⁴Nagoya University, Japan

PS-02-p-272 Correlation between frequency of exercise and the amount of food intake for middle school students
Madoka Hirashima, Yuka Isobe, Kenji Togashi
Mie University, Japan
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PS-02-p-274  Effect of a Weekly 35-Min 4.4 METs Exercise (Choi-tore) on Body Composition and Bone Mineral Density of Assembly Line Women
Miyako Mochizuki, Noboru Hasegawa
1Kyoto Bunkyo Junior College, Japan, 2Ishikawa Prefectural Nursing University, Japan

PS-02-p-275  Change in resting energy expenditure in collegiate female rhythmic gymnasts during competition season
Ayumi Nakai, Kayo Koizumi, Kumiko Kisara, Yayoi Takahashi, Shigeho Tanaka, Azumi Hida, Yuki Tada, Ayaka Sunami, Yuri Yokoyama, Hiroaki Natsui, Sakuko Ishizaki, Yukari Kawano
1Tokyo University of Agriculture, Japan, 2Japan Women's College Of Physical Education, Japan, 3National Institute of Health and Nutrition, Japan

PS-02-p-276  Determinants of Energy Expenditure (Physical Activity) in Indonesian Adolescents
Cyndy Au, May O Lwin, Hardinsyah Hardinsyah
1Nanyang Technological University, Singapore, 2Bogor Agricultural University, Indonesia

PS-02-p-277  Effects of skipping breakfast on muscle degradation, soreness, and performance
Jun Yasuda, Tatsunosuke Gomi, Ayaka Sunami, Yuri Yokoyama, Ayumi Nakai, Kazuto Sasaki, Yuki Tada, Azumi Hida, Hiroharu Kamioka, Yukari Kawano
1Tokyo University of Agriculture, Japan, 2Research Fellow of the Japan Society for the Promotion of Science, Japan

PS-02-p-278  Education and Public Information on Climate Change Adaptation of Food Safety
Gun-Hee Kim, Sun-Duk Cho, Ki-Hwan Park
1Duksung Women's University, Korea, 2Chung-Ang University, Korea

PS-02-p-279  The Combined Study on Nutritional Intake and Food Requirement to Live Healthy Life
Okajima Toshiya
Saga University, Japan

PS-02-p-280  Survey research for food environment and health condition of temporary housing elderly residents in stricken area, Tohoku
Ryoko Wada, Chisa Ikeda, Kazuko Kato
Tokyo Kasei University, Japan

PS-02-p-281  Stockpile situation of emergency food at home in Japan - Comparison between actual and self-reported stockpiles -
Keiko Mori
Aichi Gakuin University, Japan

PS-02-p-282  Are Rice Plants Growing in the Paddy Field Screwed with Seawater?
Mieko Kimura, Shintaro Saomoto, Takahisa Takeda, Toshikazu Yoshikawa
1Takeda Research Institute of Life Science, Japan, 2Kyoto Prefectural University of Medicine, Japan

PS-02-p-283  Utilization of the disaster food - The results of sensuality examination of the commercial disaster food -
Shoko Koudou, Naomi Katayama, Mizuki Ito, Yasuyo Nakagawa, Hagie Nakamura, Ryouko Takekawa
Nagoya Women's University, Japan

PS-02-p-284  Taste Examination of Commercially Available Disaster Food - By Using Taste Analyzer-
Yasuyo Matsufuji, Naomi Katayama, Satoshi Kumagai
1Junshin Junior College, Japan, 2Nagoya Women's University, Japan, 3Saga University, Japan

PS-02-p-285  Proposal of "Diet Triage Card" to be Adopted by the Household: Research Based Upon the Questionnaire
Megumi Hasegawa, Wakako Tsuda
1Jissen Women's University, Japan, 2Sakura no Seibo Junior College, Japan
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PS-02-p-286 Effects of a Long-Term Intervention in a Work Cafeteria on Employee Vegetable Intake
Akemi Misawa¹, Katsushi Yoshida¹, Tomoe Fukumura¹, Taichiro Tanaka¹, Junko Tamaki², Toru Takebayashi², Yukinori Kusaka³, Hideaki Nakagawa³, Hiroshi Yamato¹, Akira Okayama³
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PS-02-p-287 Nutritional And Lifestyle Risk Behaviors And Their Association With Mental Health And Violence Among Pakistani Adolescents
Nida Jawed¹, Saadiyah Rao¹, Nadia Shah¹, Sumera Inam¹, Kasif Shafique¹ ²
¹Dow University of Health Sciences, Pakistan, ²University of Glasgow, UK

PS-02-p-288 Dietary Intake Food Sources of Vitamin D and Its Deficiency in Women Workers in Indonesia
Betty Josephin Simanjuntak¹, Ali None Khomsan², Dodik None Briawan², Rimbawan None Rimbawan²
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PS-02-p-289 Evaluation of the effects of body fat and leptin on changes in the bone density of Japanese woman
Megumi Kubota, Rikako Inoue
Okayama Prefectural University, Japan

PS-02-p-290 Develop Recipes from Gac Fruit, Fruit from Heaven
Chimrueng Kanjana, Benyapanya Pakjira, Raungkhajon Ponpis
Prince of Songkla University, Thailand

PS-02-p-291 Effect of Fermented Vegetable Food “OM-X” on Defecation Among Constipated Female College Students
Rikako Inoue¹ ², Megumi Kubota¹, Muneaki Takahata³
¹Okayama Prefectural University, Japan, ²Notre Dame Seishin University, Japan, ³BIOBANK Co., Japan

PS-02-p-292 The effect of fermented milk on defecation and skin condition in healthy young female students
Naoko Mori¹, Kano Mitsuaki¹, Masuoka Norie¹, Miyazaki Kouji¹, Ueki Yukihide²
¹Yakult Central Institute for Microbiological Research, Japan, ²Seitoku University, Japan

PS-02-p-293 Association between perceived health status and subjective socioeconomic status among the Japanese older adults living alone
Naoto Otaki, Hidekazu Tanino, Saeko Yokomizo, Miyako Maeda, Keisuke Fukuo
Mukogawa Women's University, Japan

PS-02-p-294 How is happiness decided?
Ikuko Shimada¹, Asami Okabe², Ayuka Tagashira², Icitosako Shinohara², Mamoru Tanaka¹, Satoshi Numata¹, Takeaki Okamoto²
¹University of Kochi, Japan, ²Ehime University, Japan, ³Happy Map Project, Japan

PS-02-p-295 Breastfeeding Peer Counselling: The NCP Experience
Emaluz Z. Parián¹, Juan Antonio A. Solon¹, Mary Christine R. Castro¹, Ivanhoe C. Escartin²
¹Nutrition Center of the Philippines, Philippines, ²National Center for Health Promotion, Philippines

PS-02-p-296 Factors affecting green tea brand loyalty in young adult consumers
Rossarin Tansawat, Linna Tongyonk, Lawanworn Broese Van Groenou, Passakorn Pinyowattayakorn, Sirintra Yostumrong, Titinun Auamnoy
Chulalongkorn University, Thailand

PS-02-p-297 The relationship between smoking mothers and their children's lifestyle
Takako Kumagai¹, Haruyuki Ito¹, Sangun Lee¹, Kavanagh Barry¹, Yukiko Mano²
¹Aomori University of Health and Welfare, Japan, ²Tohoku Women's Junior College, Japan

PS-02-p-298 Pinggang Pinoy: A healthy food plate for Filipinos
Carl Vincent D Cabanilla, Ma. Jovina A Sandoval, Robby Carlo A Tan, Mario V Capanzana
Food and Nutrition Research Institute, Philippines

PS-02-p-299 Thailand's food retail transformation: a mixed method study of diet quality and nutrition impacts
Matthew Kelly¹, Sam-ang Seubsman¹ ², Cathy Banwell¹, Jane Dixon¹, Adrian Sleigh¹
¹Australian National University, Australia, ²Sukhothai Thammathirat Open University, Thailand
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PS-02-p-300 Biological control of apple grey mould by two yeast isolates in combination with ammonium molybdate for production of healthy fruit
Hassan Reza Etebarian\textsuperscript{1}, Maral Azadrooh\textsuperscript{2}, Heshmatollah Aminian\textsuperscript{3}
\textsuperscript{1}Islamic Azad University, Iran, \textsuperscript{2}University of Tehran, Iran

PS-02-p-301 Safety of Nanoparticles Evaluated as the Level of ROS In Vitro
Vivek Raju, Guowu Wang, Liping Wang, Wang Jin-Ye
Shanghai Jiao Tong University, China

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PS-03-a-001 Excess intake of alpha-tocopherol decreases extrahepatic phylloquinone concentration without change in blood coagulation and bone morphology
Fumiaiki Hanzawa\textsuperscript{1}, Saki Nomura\textsuperscript{1}, Tomono Uchida\textsuperscript{2}, Mariko Sonoda\textsuperscript{3}, Hiroko Ikegami\textsuperscript{2}, Yoko Fujiwara\textsuperscript{3}, Saiko Ikeda\textsuperscript{1}
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PS-03-a-002 Association between Serotonin Levels and Body Weight Gains on C57BL/6 Mice fed with Low- or High-fat Diets
Yi-Hsiu Chen, Bi-Fong Lin
National Taiwan University, Taiwan

PS-03-a-003 Maternal choline deficiency affects offspring health
Yoshiko Tsukuda, Yukino Miyachi, Takao Hashimoto, Kato Norihisa, Yanaka Noriyuki
Hiroshima University, Japan

PS-03-a-004 Effects of stress on the urinary concentration of trace elements in Japanese young women
Yukiko Mita, Maho Tomikawa, Asuka Natsume, Chiho Oshima, Junko Tsuzuki
Sugiyama Jogakuen University, Japan

PS-03-a-005 Effects on lipid metabolism by folate-deficiency in rats
Rieko Nakata, Megumi Kawabata, Hiroyasu Inoue
Nara Women’s University, Japan

PS-03-a-006 Benefits of nutritional guidance for dietary management in patients with cardiovascular diseases
Sasagawa Michiyo\textsuperscript{1}, Yamamoto Kayo\textsuperscript{1}, Nakagawa Akihiko\textsuperscript{1}, Kajinami Kouji\textsuperscript{2}
\textsuperscript{1}Kanazawa Medical University Hospital, Japan, \textsuperscript{2}Kanazawa Medical University, Japan

PS-03-a-007 The benefits of vitamin micronutrient beverage (VCRESC) in nutritional management in diabetes patients
Yamamoto Tise\textsuperscript{1}, Yamamoto Kayo\textsuperscript{1}, Nakagawa Akihiko\textsuperscript{1}, Nakano Sigeru\textsuperscript{2}, Koya Daisuke\textsuperscript{3}
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PS-03-a-008 The effects of vitamin micronutrient beverage (VCRESC) on ESKD patients vitamin and homocysteine values after long term consumption, it is a case report
Takeshita Kingo\textsuperscript{1}, Yamamoto Kayo\textsuperscript{1}, Nakagawa Akihiko\textsuperscript{1}, Nakano Sigeru\textsuperscript{2}, Koya Daisuke\textsuperscript{3}
Yokoyama Hitoshi\textsuperscript{4}
\textsuperscript{1}Kanazawa Medical University Hospital, Japan, \textsuperscript{2}Shika Clinic, Japan, \textsuperscript{3}Kanazawa Medical University, Japan

PS-03-a-009 The effects of vitamin micronutrient beverage (VCRESC) on oxidation stress marker and values in healthy subjects
Nakagawa Akihiko\textsuperscript{1}, Takeshita Kingo\textsuperscript{1}, Yamamoto Kayo\textsuperscript{1}, Yamamoto Tise\textsuperscript{1}, Kawahara Mitiyo\textsuperscript{1}, Koya Daisuke\textsuperscript{3}
\textsuperscript{1}Kanazawa Medical University Hospital, Japan, \textsuperscript{2}Kanazawa Medical University, Japan

PS-03-a-010 Clinical use of cyclooxygenase inhibitors impairs vitamin B-6 metabolism
En-Pei Chiang\textsuperscript{1}, Shu-Yu Huang\textsuperscript{1}, Feng-Yao Tang\textsuperscript{2}, HY Chang\textsuperscript{1}, ST Huang\textsuperscript{1}, HD Cheng\textsuperscript{1}, DY Chen\textsuperscript{3}, JL Lan\textsuperscript{3}, HM Chih\textsuperscript{4}
\textsuperscript{1}National Chung Hsing University, Taiwan, \textsuperscript{2}China Medical University, Taiwan, \textsuperscript{3}Division of Allergy Immunology Rheumatology, \textsuperscript{4}Department of Nursing and Pediatrics