

# NUTRITION

The International Journal of Applied and Basic Nutritional Sciences

Volume 62

June 2019

Number C

## Reviews

Current technologies in body composition assessment: advantages and disadvantages ..... 25  
Guilherme Duprat Ceniccola, R.D., Ph.D., Melina Gouveia Castro, M.D., Ph.D., Silvia Maria Fraga Piovacari, R.D., et al.

Food insecurity and the risk of undernutrition complications among children and adolescents: A systematic review and meta-analysis ..... 52  
Sajjad Moradi, Atieh Mirzababaei, Hamed Mohammadi, et al.

Beneficial effects and potential risks of tomato consumption for human health: An overview ..... 201  
Bahare Salehi, Ph.D., Raziieh Sharifi-Rad, Ph.D., Farukh Sharopov, Ph.D., et al.

## Applied Nutritional Investigations

Sex-specific differences in the association of vitamin D with low lean mass and frailty: Results from the Berlin Aging Study II ..... 1  
Dominik Spira, M.D., Nikolaus Buchmann, M.D., Maximilian König, M.D., et al.

Trimethylamine *N*-oxide, Mediterranean diet, and nutrition in healthy, normal-weight adults: also a matter of sex? ..... 7  
Luigi Barrea, M.D., Ph.D., Giuseppe Annunziata, M.D., Ph.D., Giovanna Muscogiuri, M.D, Ph.D., et al.

Renal function in prepubertal children born with very low birthweight ..... 20  
Simone Holzer, M.D, Ph.D., Denise de Oliveira Schoeps, M.Sc., Fabiola Isabel Suano-Souza, M.D, Ph.D., et al.

Dietary patterns are associated with the prevalence of nonalcoholic fatty liver disease in Korean adults ..... 32  
Goh Eun Chung, M.D., Ph.D., Jiyoun Youn, M.S., Young Sun Kim, M.D., Ph.D., et al.

The Maastricht FFQ: Development and validation of a comprehensive food frequency questionnaire for the Maastricht study ..... 39  
Martien CJM van Dongen, Nicole E.G. Wijckmans-Duysens, Louise JcJ den Biggelaar, et al.

Adherence to dietary patterns during pregnancy and association with maternal characteristics in pregnant Brazilian women ..... 85  
Caroline Barros Gomes, Ph.D. student, Maira Barreto Malta, Ph.D., Silvia Justina Papini, Assistant professor, et al.

Prepregnancy obesity as a risk factor for exclusive breastfeeding initiation in Japanese women ..... 93  
Kyoko Nomura, M.D., Ph.D., Michiko Kido, M.D., Ph.D., Ayumi Tanabe, MSc, et al.

Cancer-related gene expression is associated with disease severity and modifiable lifestyle factors in non-alcoholic fatty liver disease ..... 100  
Bianca M. Arendt, Ph.D., Anastasia Teterina, Ph.D., Paulina Pettinelli, Ph.D., et al.

Sarcopenia and cardiovascular risk indices in patients with chronic kidney disease on conservative and replacement therapy ..... 108  
Silvia Lai, M.D., Maurizio Muscaritoli, M.D., Paola Andreozzi, M.D., Ph.D., et al.

What are the best indicators to assess malnutrition in idiopathic pulmonary fibrosis patients? A cross-sectional study in a referral center ..... 115  
Stéphane Jouneau, M.D., Ph.D., Mallorie Kerjouan, M.D., Chloé Rousseau, M.Sc., et al.

Improving oncology nurses' knowledge, self-confidence, and self-efficacy in nutritional assessment and counseling for patients with cancer: A quasi-experimental design ..... 131  
Loai Abu Sharour, R.N., B.S.N., M.S.N., Ph.D.

Influence of enhanced bioavailable curcumin on obesity-associated cardiovascular disease risk factors and arterial function: A double-blinded, randomized, controlled trial .....	135
Marilyn S. Campbell, Ph.D., An Ouyang, M.S., Krishnakumar I.M., Ph.D., et al.	
Dietary inflammatory index is associated with increased risk for prostate cancer among Vietnamese men.....	140
Dong Van Hoang, Ph.D., Nitin Shivappa, Ph.D., Ngoc Minh Pham, Ph.D., et al.	
Hyperphagia in short bowel patients: Fat-free mass is a strong predictor.....	146
Cécile Bétry, M.D., Ph.D., Madeleine Lauerjat, M.D., Thomas Mouillot, M.D., et al.	
Neck circumference is associated with nutritional status in elderly nursing home residents .....	153
Beatriz Lardiés-Sánchez, Jose M. Arbones-Mainar, Javier Perez-Nogueras, et al.	
Breast milk: To each his own. From metabolomic study, evidence of personalized nutrition in preterm infants.....	158
Serafina Perrone, M.D., Ph.D., Mariangela Longini, Biologist, Ilaria Zollino, M.D., et al.	
Effects of probiotic yogurt on glycemic indexes and endothelial dysfunction markers in patients with metabolic syndrome.....	162
Leila Rezazadeh, Ph.D., Bahram Pourghassem Gargari, Ph.D., Mohammad Asghari Jafarabadi, Ph.D., et al.	
Is selenium intake associated with the presence of depressive symptoms among US adults? Findings from National Health and Nutrition Examination Survey (NHANES) 2011–2014.....	169
Saruna Ghimire, M.P.H., Binaya Kumar Baral, M.Sc., Du Feng, Ph.D., et al.	
Clustering of sociodemographic and lifestyle factors among adults with excess weight in a multilingual country.....	177
Linda Vinci, M.Sc., Jean-Philippe Krieger, Dr., Julia Braun, Dr., et al.	
Fetal and childhood malnutrition during the Korean War and metabolic syndrome in adulthood .....	186
Changwoo Han, M.D. and Yun-Chul Hong, M.D., Ph.D.	
Nutrient patterns and their relation to anemia and iron status in 5- to 12-y-old children in South Africa.....	194
Marina Visser, M.Sc., Tertia Van Zyl, Ph.D., Susanna M Hanekom, Ph.D., et al.	
<b>Basic Nutritional Investigations</b>	
<i>Lactobacillus brevis</i> DM9218 ameliorates fructose-induced hyperuricemia through inosine degradation and manipulation of intestinal dysbiosis .....	63
Haina Wang, Ph.D., Lu Mei, Ph.D., Ying Deng, M.S., et al.	
Combined exercise and calorie restriction therapies restore contractile and mitochondrial functions in skeletal muscle of obese–insulin resistant rats.....	74
Sintip Pattanakuhar, Wissuta Sutham, Jirapas Sripetchwandee, et al.	
Continuous feeding of a combined high-fat and high-sucrose diet, rather than an individual high-fat or high-sucrose diet, rapidly enhances the glucagon-like peptide-1 secretory response to meal ingestion in diet-induced obese rats .....	122
Jukkrapong Pinyo, M.Sc., Tohru Hira, Ph.D., Hiroshi Hara, Ph.D.	
<b>Brief Reports</b>	
Cocoa flavanol effects on markers of oxidative stress and recovery after muscle damage protocol in elite rugby players.....	47
Flávia Giolo de Carvalho, Ph.D., Mitchell Garant Fisher, M.Sc., Todd T. Thornley, M.Sc., et al.	
<b>Case Report</b>	
Pneumatosis intestinalis after fistuloclysis.....	18
Nathan Appleton, F.R.C.S., Nicholas Day, F.R.C.R., Ciaran Walsh, F.R.C.S.	
<b>Letters to the Editor</b>	
Author's response re. "Changes in lipid metabolism in pediatric patients with severe sepsis and septic shock" .....	209
Ana Carolina G. Bermudes, M.D., Artur F. Delgado, Ph.D., Werther B. de Carvalho, Ph.D.	

Re: “Changes in lipid metabolism in pediatric patients with severe sepsis and septic shock” .....	210
Carlo Chiarla, M.D., Ivo Giovannini, M.D., Giacinto AD Miggiano, M.D.	
Re. Effectiveness of protein-caloric supplementation in hemodialysis patients to improve the amino acid balance and avoid protein energy wasting: Author’s response .....	211
Sylwia Małgorzewicz, M.D., Ph.D.	
Re. “Amino acid profile after oral nutritional supplementation in hemodialysis patients with protein-energy wasting” .....	211
Piergiorgio Bolasco, M.D., Roberto Aquilani, M.D., Stefano Murtas, M.D.	
<b>Special issue on Nutrition in ICU</b>	
Nutrition in the ICU: Foreword from the Editors .....	61
William Manzanares M.D., Ph.D. and Pierre Singer, M.D.	
<b>Special issue on Sports Nutrition</b>	
Nutrition and exercise: Thinking outside the box .....	152
Antonio Herbert Lancha Jr	
<b>Corrigendum</b>	
Corrigendum to “Dietary carbohydrate restriction as the first approach in diabetes management: Critical review and evidence base” [Nutrition 31 (2015) 1-13] .....	213
Richard D. Feinman, Ph.D., Wendy K. Pogożelski, Ph.D., Arne Astrup, M.D., et al.	