

Review – Systematic with Meta-Analysis

Effects of high-protein diets on body weight, glycaemic control, blood lipids and blood pressure in type 2 diabetes: meta-analysis of randomised controlled trials.

J.-Y. Dong, Z.-L. Zhang, P.-Y. Wang & L.-Q. Qin 781–789

Molecular Nutrition

Influence of SNPs in nutrient-sensitive candidate genes and gene–diet interactions on blood lipids: the DIOGenes study.

L. K. Brahe, L. Ångquist, L. H. Larsen, K. S. Vimalaswaran, J. Hager, N. Viguerie, R. J. F. Loos, T. Handjieva-Darlenska, S. A. Jebb, P. Hlavaty, T. M. Larsen, J. Alfredo Martinez, A. Papadaki, A. F. H. Pfeiffer, M. A. van Baak, T. I. A. Sørensen, C. Holst, D. Langin, A. Astrup & W. H. M. Saris 790–796

Grape seed extract triggers apoptosis in Caco-2 human colon cancer cells through reactive oxygen species and calcium increase: extracellular signal-regulated kinase involvement.

S. Dinicola, M. A. Marigliò, C. Morabito, S. Guarnieri, A. Cucina, A. Pasqualato, F. D'Anselmi, S. Proietti, P. Coluccia & M. Bizzarri 797–809

Metabolism and Metabolic Studies

Identification of biomarkers for intake of protein from meat, dairy products and grains: a controlled dietary intervention study.

W. Altorf-van der Kuil, E. J. Brink, M. Boetje, E. Siebelink, S. Bijlsma, M. F. Engberink, P. van 't Veer, D. Tomé, S. J. L. Bakker, M. A. van Baak & J. M. Geleijnse 810–822

Nutritional Endocrinology

Ontogenic expression of the amino acid transporter b⁰+AT in suckling Huanjiang piglets: effect of intra-uterine growth restriction.

W. Wang, F. Blachier, D. Fu, J. Pan, H. Yang, J. Guo, W. Chu, X. Kong & Y. Yin 823–830

Infant neurocognitive development is independent of the use of iodised salt or iodine supplements given during pregnancy.

P. Santiago, I. Velasco, J. A. Muela, B. Sánchez, J. Martínez, A. Rodríguez, M. Berrio, C. Gutierrez-Repiso, M. Carreira, A. Moreno, E. García-Fuentes & F. Soriguer 831–839

Nutritional Immunology

Dietary supplementation of young broiler chickens with *Capsicum* and turmeric oleoresins increases resistance to necrotic enteritis.

S. H. Lee, H. S. Lillehoj, S. I. Jang, E. P. Lillehoj, W. Min & D. M. Bravo 840–847

Human and Clinical Nutrition

Liver and muscle glycogen repletion using ¹³C magnetic resonance spectroscopy following ingestion of maltodextrin, galactose, protein and amino acids.

E. Detko, J. P. O'Hara, P. E. Thelwall, F. E. Smith, D. G. Jakovljevic, R. F. G. J. King & M. I. Trenell 848–855

Determinants of vitamin D status in pregnant fair-skinned women in Sweden.

P. Brembeck, A. Winkvist & H. Olausson 856–864

Co-administration of methyl donors along with guanidinoacetic acid reduces the incidence of hyperhomocysteinaemia compared with guanidinoacetic acid administration alone.

S. M. Ostojic, B. Niess, M. Stojanovic & M. Obrenovic 865–870

Indices of fatty acid desaturase activity in healthy human subjects: effects of different types of dietary fat.

B. Vessby, I.-B. Gustafsson, S. Tengblad & L. Berglund 871–879

Modulation of platelet aggregation-related eicosanoid production by dietary F-fucoidan from brown alga *Laminaria japonica* in human subjects.

R. Ren, Y. Azuma, T. Ojima, T. Hashimoto, M. Mizuno, Y. Nishitani, M. Yoshida, T. Azuma & K. Kanazawa 880–890

Oral green tea catechin metabolites are incorporated into human skin and protect against UV radiation-induced cutaneous inflammation in association with reduced production of pro-inflammatory eicosanoid 12-hydroxyeicosatetraenoic acid.

L. E. Rhodes, G. Darby, K. A. Massey, K. A. Clarke, T. P. Dew, M. D. Farrar, S. Bennett, R. E. B. Watson, G. Williamson & A. Nicolaou 891–900

Dietary Surveys and Nutritional Epidemiology

Prospective study of alcohol consumption and the incidence of the metabolic syndrome in US men.

M. Stoutenberg, D.-c. Lee, X. Sui, S. Hooker, V. Horigian, T. Perrino & S. Blair 901–910

Single v. multiple measures of skin carotenoids by resonance Raman spectroscopy as a biomarker of usual carotenoid status.

S. Scarmo, B. Cartmel, H. Lin, D. J. Leffell, I. V. Ermakov, W. Gellermann, P. S. Bernstein & S. T. Mayne 911–917

Carbohydrate quality is not associated with liver enzyme activity and plasma TAG and HDL concentrations over 5 years in an older population.

J. Goletzke, A. E. Buyken, B. Gopinath, E. Rochtchina, A. W. Barclay, G. Cheng, J. C. Brand-Miller & P. Mitchell 918–925

The relationship between parental education and adolescents' soft drink intake from the age of 11–13 years, and possible mediating effects of availability and accessibility.

T. H. Totland, N. Lien, I. H. Bergh, M. Bjelland, M. K. Gebremariam, K.-I. Klepp & L. F. Andersen 926–933

Behaviour, Appetite and Obesity

Polydextrose results in a dose-dependent reduction in *ad libitum* energy intake at a subsequent test meal.

N. M. Astbury, M. A. Taylor & I. A. Macdonald 934–942

The impact of a 16-week dietary intervention with prescribed amounts of whole-grain foods on subsequent, elective whole grain consumption.

I. A. Brownlee, S. A. Kuznesof, C. Moore, S. A. Jebb & C. J. Seal 943–948

Association between self-reported sleep duration and dietary quality in European adolescents.

S. Bel, N. Michels, T. De Vriendt, E. Patterson, M. Cuenca-García, K. Diethelm, B. Gutin, E. Grammatikaki, Y. Manios, C. Leclercq, F. B. Ortega, L. A. Moreno, F. Gottrand, M. Gonzalez-Gross, K. Widhalm, A. Kafatos, M. Garaulet, D. Molnar, J.-M. Kaufman, C. C. Gilbert, L. Hallström, M. Sjöström, A. Marcos, S. De Henauw & I. Huybrechts on behalf of the HELENA Study Group 949–959

Dietary fibre fermentability but not viscosity elicited the 'second-meal effect' in healthy adult dogs.

P. Deng, A. N. Beloshapka, B. M. Vester Boler & K. S. Swanson 960–968

Letter to the Editor

Low-carbohydrate diets impair flow-mediated dilatation: evidence from a systematic review and meta-analysis.

L. Schwingshackl & G. Hoffmann 969–970

CORRIGENDUM

Blood profiling of proteins and steroids during weight maintenance with manipulation of dietary protein level and glycaemic index – CORRIGENDUM.

P. Wang, C. Holst, A. Astrup, F. G. Bouwman, S. van Otterdijk, W. K. W. H. Wodzig, M. R. Andersen, M. A. van Baak, L. G. Rasmussen, J. Alfredo Martinez, S. A. Jebb, A. F. H. Pfeiffer, A. Kafatos, T. Handjieva-Darlenska, P. Hlavaty, W. H. M. Saris & E. C. M. Mariman on behalf of Diogenes Consortium 971