

Molecular Nutrition

Mammary gene expression and activity of antioxidant enzymes and oxidative indicators in the blood, milk, mammary tissue and ruminal fluid of dairy cows fed flax meal.

A. L. B. Schogor, M.-F. Palin, G. T. dos Santos, C. Benchaar, P. Lacasse & H. V. Petit 1743-1750

Metabolism and Metabolic Studies

Disturbance in uniformly ¹³C-labelled DHA metabolism in elderly human subjects carrying the apoE ε4 allele.

R. Chouinard-Watkins, C. Rioux-Perreault, M. Fortier, J. Tremblay-Mercier, Y. Zhang, P. Lawrence, M. C. Vohl, P. Perron, D. Lorrain, J. T. Brenna, S. C. Cunnane & M. Plourde 1751-1759

Metabolomic profiling of urine: response to a randomised, controlled feeding study of select fruits and vegetables, and application to an observational study.

D. H. May, S. L. Navarro, I. Ruczinski, J. Hogan, Y. Ogata, Y. Schwarz, L. Levy, T. Holzman, M. W. McIntosh & J. W. Lampe 1760-1770

Effects of dietary energy density and digestible protein:energy ratio on *de novo* lipid synthesis from dietary protein in gilthead sea bream (*Sparus aurata*) quantified with stable isotopes.

K. S. Ekmann, J. Dalsgaard, J. Holm, P. J. Campbell & P. V. Skov 1771-1781

Postprandial lipid responses to standard carbohydrates used to determine glycaemic index values.

S. Vega-López, L. M. Ausman, N. R. Matthan & A. H. Lichtenstein 1782-1788

Effects of long-term administration of saturated and *n*-3 fatty acid-rich diets on lipid utilisation and oxidative stress in rat liver and muscle tissues.

C. Feillet-Coudray, M. Aoun, G. Fouret, B. Bonafos, J. Ramos, F. Casas, J. P. Cristol & C. Coudray 1789-1802

Nutritional Endocrinology

Lycopene supplementation modulates plasma concentrations and epididymal adipose tissue mRNA of leptin, resistin and *IL-6* in diet-induced obese rats.

R. de Azevedo Melo Luvizotto, A. F. Nascimento, E. Imaizumi, D. T. Pierine, S. J. Conde, C. R. Correa, K.-J. Yeum & A. L. A. Ferreira 1803-1809

Nutritional Immunology

Anti-influenza virus effects of both live and non-live *Lactobacillus acidophilus* L-92 accompanied by the activation of innate immunity.

H. Goto, A. Sagitani, N. Ashida, S. Kato, T. Hirota, T. Shinoda & N. Yamamoto 1810-1818

Effects of high nutrient intake on the growth performance, intestinal morphology and immune function of neonatal intra-uterine growth-retarded pigs.

F. Han, L. Hu, Y. Xuan, X. Ding, Y. Luo, S. Bai, S. He, K. Zhang & L. Che 1819-1827

Microbiology

Oral administration of *Bifidobacterium longum* CECT 7347 ameliorates gliadin-induced alterations in liver iron mobilisation.

J. M. Laparra, M. Olivares & Y. Sanz 1828-1836

Dietary fibre affects intestinal mucosal barrier function and regulates intestinal bacteria in weaning piglets.

H. Chen, X. Mao, J. He, B. Yu, Z. Huang, J. Yu, P. Zheng & D. Chen 1837-1848

Human and Clinical Nutrition

Energy intake from human milk covers the requirement of 6-month-old Senegalese exclusively breast-fed infants.

A. Agne-Djigo, K. M. Kwadjode, N. Idohou-Dossou, A. Diouf, A. T. Guiro & S. Wade 1849-1855

Genetic predisposition to obesity and lifestyle factors – the combined analyses of twenty-six known BMI- and fourteen known waist:hip ratio (WHR)-associated variants in the Finnish Diabetes Prevention Study.

T. Jääskeläinen, J. Paananen, J. Lindström, J. G. Eriksson, J. Tuomilehto & M. Uusitupa for the Finnish Diabetes Prevention Study Group 1856-1865

A 250 µg/week dose of vitamin D was as effective as a 50 µg/d dose in healthy adults, but a regimen of four weekly followed by monthly doses of 1250 µg raised the risk of hypercalciuria.

S. R. Zwart, H. Parsons, M. Kimlin, S. M. Innis, J. P. Locke & S. M. Smith 1866-1872

Response variability to glucose facilitation of cognitive enhancement.

L. Owen, A. Scholey, Y. Finnegan & S. I. Sünram-Lea 1873-1884

Reduced-energy cranberry juice increases folic acid and adiponectin and reduces homocysteine and oxidative stress in patients with the metabolic syndrome.

T. N. C. Simão, M. A. B. Lozovoy, A. N. C. Simão, S. R. Oliveira, D. Venturini, H. K. Morimoto, L. H. S. Miglioranza & I. Dichi 1885-1894

Cross-sectional study of factors that influence the 25-hydroxy vitamin D status in pregnant women and in cord blood in Germany.

C. Wuertz, P. Gilbert, W. Baier & C. Kunz 1895-1902

Dietary Surveys and Nutritional Epidemiology

Nutritional risk, functional status and mortality in newly institutionalised elderly.

E. Cereda, C. Pedrolli, A. Zagami, A. Vanotti, S. Piffer, M. Faliva, M. Rondanelli & R. Caccialanza 1903-1909

Red meat consumption is associated with the risk of type 2 diabetes in men but not in women: a Japan Public Health Center-based Prospective Study.

K. Kurotani, A. Nanri, A. Goto, T. Mizoue, M. Noda, S. Oba, M. Kato, Y. Matsushita, M. Inoue & S. Tsugane for the Japan Public Health Center-based Prospective Study Group 1910-1918

Dietary and lifestyle quality indices with/without physical activity and markers of insulin resistance in European adolescents: the HELENA study.

D. Jiménez-Pavón, M. A. Sesé, I. Huybrechts, M. Cuenca-García, G. Palacios, J. R. Ruiz, C. Breidenassel, C. Leclercq, L. Beghin, M. Plada, Y. Manios, O. Andrououts, J. Dallongeville, A. Kafatos, K. Widhalm, D. Molnar & L. A. Moreno 1919-1925

A dairy and fruit dietary pattern is associated with a reduced likelihood of osteoporosis in Korean postmenopausal women.

S. Shin & H. Joung 1926-1933

CORRIGENDUM

Determinants of plasma 25-hydroxyvitamin D and development of prediction models in three US cohorts – CORRIGENDUM.

K. A. Bertrand, E. Giovannucci, Y. Liu, S. Malspeis, A. H. Eliassen, K. Wu, M. D. Holmes, F. Laden & D. Feskanich 1934

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