

Invited Commentary

- Guts, germs and glucose: understanding the effects of prematurity on the interaction between bacteria and nutrient absorption across the intestine.
D. J. Hackam 571–573
- A celebration of 100 years of vitamin research but time to revitalise the science.
J. Stolz & H. Daniel 574–576
- Mediterranean diet: the whole is more than the sum of its parts.
M. A. Martínez-González & A. Gea 577–578
- Goldilocks and the three bonds: new evidence for the conditional benefits of dietary α -linolenic acid in treating cardiovascular risk in the metabolic syndrome.
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- An extract of chokeberry attenuates weight gain and modulates insulin, adipogenic and inflammatory signalling pathways in epididymal adipose tissue of rats fed a fructose-rich diet.
B. Qin & R. A. Anderson 581–587
- Influence of broccoli extract and various essential oils on performance and expression of xenobiotic and antioxidant enzymes in broiler chickens.
K. Mueller, N. M. Blum, H. Kluge & A. S. Mueller 588–602

Metabolism and Metabolic Studies

- Effects of soya oligosaccharides and soya oligopeptides on lipid metabolism in hyperlipidaemic rats.
S. Xie, J. Zhu, Y. Zhang, K. Shi, Y. Shi & X. Ma 603–610
- Spirulina is an effective dietary source of zeaxanthin to humans.
B. Yu, J. Wang, P. M. Suter, R. M. Russell, M. A. Grusak, Y. Wang, Z. Wang, S. Yin & G. Tang 611–619
- Moderate alcohol consumption alters both leucocyte gene expression profiles and circulating proteins related to immune response and lipid metabolism in men.
M. M. Joosten, M. J. van Erk, L. Pellis, R. F. Witkamp & H. F. J. Hendriks 620–627
- Ex vivo* intestinal studies on calcium and phosphate transport in growing goats fed a reduced nitrogen diet.
A. S. Muscher, M. R. Wilkens, N. Mrochen, B. Schröder, G. Breves & K. Huber 628–637
- Effects of feeding polydextrose on faecal characteristics, microbiota and fermentative end products in healthy adult dogs.
A. N. Beloshapka, A. K. Wolff & K. S. Swanson 638–644
- Dietary fish oil preserves cardiac function in the hypertrophied rat heart.
P. L. McLennan, M. Y. Abeywardena, J. A. Dallimore & D. Raederstorff 645–654
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R. Crescenzo, F. Bianco, I. Falcone, P. Coppola, A. G. Dulloo, G. Liverini & S. Iossa 655–665

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- 25-Hydroxycholecalciferol status in plasma is linearly correlated to daily summer pasture time in cattle at 56°N.
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Nutritional Immunology

- Prematurity does not markedly affect intestinal sensitivity to endotoxins and feeding in pigs.
S. B. Bering, S. Bai, K. Zhang & P. T. Sangild 672–681

Human and Clinical Nutrition

- Effects of a rapeseed oil-enriched hypoenergetic diet with a high content of α -linolenic acid on body weight and cardiovascular risk profile in patients with the metabolic syndrome.
A. Baxheinrich, B. Stratmann, Y. H. Lee-Barkey, D. Tschöepe & U. Wahrburg 682–691
- Dietary surveys indicate vitamin intakes below recommendations are common in representative Western countries.
B. Troesch, B. Hoelt, M. McBurney, M. Eggersdorfer & P. Weber 692–698

Dietary Surveys and Nutritional Epidemiology

- Mediterranean diet and CHD: the Greek European Prospective Investigation into Cancer and Nutrition cohort.
V. Dilis, M. Katsoulis, P. Lagiou, D. Trichopoulos, A. Naska & A. Trichopoulos 699–709
- Association of total body and visceral fat mass with iron deficiency in preadolescents: the Healthy Growth Study.
G. Moschonis, G. P. Chrousos, C. Lionis, V. Mougios & Y. Manios on behalf of the Healthy Growth Study group 710–719
- Maternal intake of fatty acids during pregnancy and allergies in the offspring.
B. I. Nwaru, M. Erkkola, M. Lumia, C. Kronberg-Kippilä, S. Ahonen, M. Kaila, J. Ilonen, O. Simell, M. Knip, R. Veijola & S. M. Virtanen 720–732
- Childhood consumption of fruit and vegetables across England: a study of 2306 6–7-year-olds in 2007.
R. J. Hughes, K. L. Edwards, G. P. Clarke, C. E. L. Evans, J. E. Cade & J. K. Ransley 733–742
- A prospective study of intake of *trans*-fatty acids from ruminant fat, partially hydrogenated vegetable oils, and marine oils and mortality from CVD.
I. Laake, J. I. Pedersen, R. Selmer, B. Kirkhus, A. S. Lindman, A. Tverdal & M. B. Veierød 743–754

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- Effect of different long-chain fatty acids on cholecystokinin release *in vitro* and energy intake in free-living healthy males.
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