

Contents

Obituary

John Conrad Waterlow CMG, FRS, FRCP, DSc.

G. Alleyne

1–5

Review Articles

Dietary cholesterol: from physiology to cardiovascular risk.

J.-M. Lecerf & M. de Lorgeril

6–14

A review of consumer awareness, understanding and use of food-based dietary guidelines.

K. A. Brown, L. Timotijevic, J. Barnett, R. Shepherd, L. Lähteenmäki & M. M. Raats

15–26

Short Communications

Effects of short-term infusion of lipid emulsions on pro-inflammatory cytokines and lymphocyte apoptosis in septic and non-septic rats.

P. Scheiermann, J. Ott, S. Hoegl, M. Hecker, C. Hofstetter, W. Seeger, B. Zwissler, B. Bausch, K. A. Boost & K. Mayer

27–32

1-Phenyl-6,7-dihydroxy-isochroman suppresses lipopolysaccharide-induced pro-inflammatory mediator production in human monocytes.

G. Trefiletti, A. R. Togna, V. Latina, C. Marra, M. Guiso & G. I. Togna

33–36

A protein-rich beverage consumed as a breakfast meal leads to weaker appetitive and dietary responses v. a protein-rich solid breakfast meal in adolescents.

H. J. Leidy, L. I. Bales-Voelker & C. T. Harris

37–41

Molecular Nutrition

Are apparent negative effects of feeding GM MON810 maize to Atlantic salmon, *Salmo salar*, caused by confounding factors?

N. H. Sissener, G.-I. Hemre, S. P. Lall, A. Sagstad, K. Petersen, J. Williams, J. Rohloff & M. Sanden

42–56

Hypocholesterolaemic effect of water-insoluble fish protein from Alaska pollock in ovariectomised rats is not abolished by methionine addition.

M. Kato, H. Ogawa, T. Kishida & K. Ebihara

57–62

Chronic dietary supplementation with turmeric protects against 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-mediated neurotoxicity *in vivo*: implications for Parkinson's disease.

R. B. Mythri, J. Veena, G. Harish, B. S. Shankaranarayana Rao & M. M. S. Bharath

63–72

Iron bound to pectin is utilised by rats.

T. Miyada, A. Nakajima & K. Ebihara

73–78

Metabolism and Metabolic Studies

Effects of 4-week very-high-fructose/glucose diets on insulin sensitivity, visceral fat and intrahepatic lipids: an exploratory trial.

G. Silbernagel, J. Machann, S. Unmuth, F. Schick, N. Stefan, H. U. Häring & A. Fritsche

79–86

Effect of a mitochondria-targeted vitamin E derivative on mitochondrial alteration and systemic oxidative stress in mice.

G. Mao, G. A. Kraus, I. Kim, M. E. Spurlock, T. B. Bailey & D. C. Beitz

87–95

Dietary supplementation with hydroxypropyl-distarch phosphate from waxy maize starch increases resting energy expenditure by lowering the postprandial glucose-dependent insulinotropic polypeptide response in human subjects.

A. Shimotoyodome, J. Suzuki, Y. Kameo & T. Hase

96–104

Nutritional Endocrinology

Neonatal exposure to genistein ameliorates high-fat diet-induced non-alcoholic steatohepatitis in rats.

C. Huang, X. Qiao & B. Dong

105–113

Microbiology

Ruminal methane inhibition potential of various pure compounds in comparison with garlic oil as determined with a rumen simulation technique (Rusitec).

C. R. Soliva, S. L. Amelchanka, S. M. Duval & M. Kreuzer

114–122

(Contents continued from back cover)

Human and Clinical Nutrition

- Effects on markers of inflammation and endothelial cell function of three *ad libitum* diets differing in type and amount of fat and carbohydrate: a 6-month randomised study in obese individuals.
E.-M. Bladbjerg, T. M. Larsen, A. Due, S. Stender, A. Astrup & J. Jespersen 123–129

Dietary Surveys and Nutritional Epidemiology

- Nutrient intake variability and number of days needed to assess intake in preschool children.
M. Erkkola, P. Kyttälä, H.-M. Takkinen, C. Kronberg-Kippilä, J. Nevalainen, O. Simell, J. Ilonen, R. Veijola, M. Knip & S. M. Virtanen 130–140
- Flavonoid intake in relation to cognitive function in later life in the Lothian Birth Cohort 1936.
C. Butchart, J. Kyle, G. McNeill, J. Corley, A. J. Gow, J. M. Starr & I. J. Deary 141–148
- Adherence to a Mediterranean diet and plasma fatty acids: data from the Bordeaux sample of the Three-City study.
C. Féart, M. J. M. Torrès, C. Samieri, M.-A. Jutand, E. Peuchant, A. P. Simopoulos & P. Barberger-Gateau 149–158