Editorials

827 Do you need a supplement of docosahexaenoic acid or an n-3 long-chain polyunsaturated fatty acid? WC Heird
See corresponding articles on pages 848 and 1060.

829 The WHI joins MRFIT: a revealing look beneath the covers. WC Willett
See corresponding article on page 860.

Original Research Communications

Obesity and eating disorders

831 Reducing obesity in early childhood: results from Romp & Chomp, an Australian community-wide intervention program. AM de Silva-Sanigorski, AC Bell, P Kremer, M Nichols, M Crellin, M Smith, S Sharp, F de Groot, L Carpenter, R Boak, N Robertson, and BA Swinburn

841 Intake during repeated exposure to low- and high-energy-dense yogurts by different means of consumption. PS Hogenkamp, M Mars, A Staffleu, and C de Graaf

Lipids

848 The DIAMOND (DHA Intake And Measurement Of Neural Development) Study: a double-masked, randomized controlled clinical trial of the maturation of infant visual acuity as a function of the dietary level of docosahexaenoic acid. EE Birch, SE Carlson, DR Hoffman, KM Fitzgerald-Gustafson, VLN Fu, JR Drover, YS Castaneda, L Minns, DKH Wheaton, D Mundy, J Marunycz, and DA Diersen-Schade
See corresponding editorial on page 827.

See corresponding editorial on page 829.

875 Rapid cellular enrichment of eicosapentaenoate after a single intravenous injection of a novel medium-chain triacylglycerol:fish-oil emulsion in humans. YA Carpentier, M Hacquebard, L Portois, IE Dupont, RJ Deckelbaum, and WJ Malaisse

883 Food sources of individual plasma phospholipid trans fatty acid isomers: the Cardiovascular Health Study. R Micha, IB King, RN Lemaitre, EB Rimm, F Sacks, X Song, DS Siscovick, and D Mozaffarian

894 Effect of 5 y of calcium plus vitamin D supplementation on change in circulating lipids: results from the Women’s Health Initiative. SN Rajpathak, X Xue, S Wassertheil-Smoller, L Van Horn, JG Robinson, S Liu, M Allison, LW Martin, GYF Ho, and TE Rohan

900 Effects of atorvastatin and n-3 fatty acid supplementation on VLDL apolipoprotein C-III kinetics in men with abdominal obesity. DC Chan, MN Nguyen, GF Watts, EMM Ooi, and PHR Barrett

Nutritional status, dietary intake, and body composition

907 Brain and high metabolic rate organ mass: contributions to resting energy expenditure beyond fat-free mass. F Javed, Q He, LE Davidson, JC Thornton, J Albu, L Boxt, N Krasnow, M Elia, P Kang, S Heshka, and D Gallagher

913 Portion size can be used strategically to increase vegetable consumption in adults. BJ Rolls, LS Roe, and JS Meengs


Carbohydrate metabolism and diabetes

Orange juice neutralizes the proinflammatory effect of a high-fat, high-carbohydrate meal and prevents endotoxin increase and Toll-like receptor expression. H Ghanim, CL Sia, M Upadhyay, K Korzeniewski, P Viswanathan, S Abuaysheh, P Mohanty, and P Dandona


Energy and protein metabolism

958 Lysine requirement in parenterally fed postsurgical human neonates. KP Chapman, G Courtney-Martin, AM Moore, JC Langer, C Tomlinson, RO Ball, and PB Pencharz

966 Effect of premeal consumption of whey protein and its hydrolysate on food intake and postmeal glycemia and insulin responses in young adults. T Akhavan, BL Luhovyy, PH Brown, CE Cho, and GH Anderson

Vitamins, minerals, and phytochemicals


985 Once-weekly dose of 8400 IU vitamin D₃ compared with placebo: effects on neuro-muscular function and tolerability in older adults with vitamin D insufficiency. P Lips, N Binkley, M Pfeifer, R Recker, S Samanta, DA Cohn, J Chandler, E Rosenberg, and DA Papanicolaou

Nutritional support

992 Reduced caloric intake during endotoxemia reduces arginine availability and metabolism. M Poeze, MJ Bruins, YC Luiking, and NE Deutz

Nutritional epidemiology and public health

1002 Differential effects of coffee on the risk of type 2 diabetes according to meal consumption in a French cohort of women: the E3N/EPIC cohort study. DS Sartorelli, G Fagherazzi, B Balkau, MS Toullaud, M-C Bouthon-Ruault, B de Lauzon-Guillain, and F Clavel-Chapelon


1020 High adiposity and high body mass index–for-age in US children and adolescents overall and by race-ethnic group. KM Flegal, CL Ogden, JA Yanovski, DS Freedman, JA Shepherd, BI Graubard, and LG Borrud

1027 Zinc and iron deficiency and their interrelations in low-income African American and Hispanic children in Atlanta. CR Cole, FK Grant, ED Swaby-Ellis, JL Smith, A Jacques, CA Northrop-Clewes, KL Caldwell, CM Pfeiffer, and TR Ziegler

Gene-nutrient interactions

1035 Low dietary choline and low dietary riboflavin during pregnancy influence reproductive outcomes and heart development in mice. J Chan, L Deng, LG Mikael, J Yan, L Pickell, Q Wu, MA Caudill, and R Rozen

1044 An antiinflammatory dietary mix modulates inflammation and oxidative and metabolic stress in overweight men: a nutrigenomics approach. GCM Bakker, MJ van Erk, L Pellis, S Wopereis, CM Rubingh, NHP Cnubben, T Kooistra, B van Ommen, and HFJ Hendriks

Dietary supplements

1060 Docosahexaenoic acid supplementation increases prefrontal cortex activation during sustained attention in healthy boys: a placebo-controlled, dose-ranging, functional magnetic resonance imaging study. RK McNamara, J Able, R Jandacek, T Rider, P Tso, JC Ellassen, D Alferi, W Weber, K Jarvis, MP DelBello, SM Strakowski, and CM Adler

See corresponding editorial on page 827.

Letters to the Editor

1068 In foods, energy is cheap where it is abundant and expensive where it is scarce: this is a fact, not an artifact. N Darmon and M Maillot

1069 Reply to N Darmon and M Maillot. LM Lipsky
1070 On the gene-nutrient analyses of Cahill et al. F Imamura
1071 Reply to F Imamura. L Cahill, A El-Sohemy, and B Fontaine-Bisson
1072 Errata

Supplement—The Science behind Current Nutrition Profiling Systems to Promote Consumer Intake of Nutrient-dense Foods

1077S Introduction. C Kapica

1078S The Smart Choices front-of-package nutrition labeling program: rationale and development of the nutrition criteria. JR Lupton, DA Balentine, RM Black, R Hildwine, BJ Ivins, ET Kennedy, PT Packard, BR Sperber, D Steffen, and M Story

1090S Guiding Stars: the effect of a nutrition navigation program on consumer purchases at the supermarket. LA Sutherland, LA Kaley, and L Fischer

1095S The Nutrient Rich Foods Index helps to identify healthy, affordable foods. A Drewnowski

1102S Performance characteristics of NuVal and the Overall Nutritional Quality Index (ONQI). DL Katz, VY Njike, LQ Rhee, A Reingold, and KT Ayoob

1109S Where is the science? What will it take to show that nutrient profiling systems work? MS Townsend

1116S Nutrient profiling systems: are science and the consumer connected? SA Gerrior

Supplement—Cachexia and Wasting: Recent Breakthroughs in Understanding and Opportunities for Intervention

1123S Skeletal muscle loss: cachexia, sarcopenia, and inactivity. WJ Evans

1128S Review of muscle wasting associated with chronic kidney disease. BT Workeneh and WE Mitch

1133S Body composition in patients with non–small cell lung cancer: a contemporary view of cancer cachexia with the use of computed tomography image analysis. VE Baracos, T Reiman, M Mourtzakis, I Gioulbasanis, and S Antoun

1138S Nutritional aspects of HIV-associated wasting in sub-Saharan Africa. JR Koethe and DC Heimburger

1143S Update on clinical trials of growth factors and anabolic steroids in cachexia and wasting. NP Gullett, G Hebb, and TR Ziegler

1148 ASN Announcement

1149 AJCN Announcement

1150 Calendar of Events