CONTENTS

Special Articles

1 Creation of a regional medical-nutrition education network. EB Feldman, PR Borum, M DiGirolamo, DS Feldman, JM Greene, SB Leonard, SL Morgan, JF Moi-nuddin, MS Read, and RL Weinsie

17 1988 Herman Award Lecture. Effect of ketoanalogues in chronic renal failure and other disorders. M Walser

23 The Surgeon General’s report on nutrition and health: policy implications and implementation strategies. JM McGinnis and M Nestle

Original Research Communications—general

Nutritional status and body composition

29 Reliability of fat-free mass estimates derived from total-body electrical conductivity measurements as influenced by changes in extracellular fluid volume. WJ Cochran, ML Fiorotto, H-P Sheng, and WJ Klish

33 Changes in fat-free mass during weight loss measured by bioelectrical impedance and by densitometry. P Deurenberg, J Weststrate, and JG AJ Hautvast

Energy metabolism

37 Accuracy of heart-rate monitoring and activity diaries for estimating energy expenditure. HJ Kaikwar, JD Haas, AZ Beiko, RC Roach, and DA Roe

44 Normal caffeine consumption: influence on thermogenesis and daily energy expenditure in lean and postobese human volunteers. AG Dulloo, CA Geissler, T Horton, A Collins, and DS Miller

Hormonal interactions

51 Gastric acid secretion, gastrin release, and gastric emptying in humans as affected by liquid-meal temperature. KE McArthur and M Feldman

Lipids

55 Nonlipid formula components and fat absorption in the low-birth-weight newborn. GA Brown, HM Berger, MJ Brueton, PH Scott, and BA Wharton

Proteins


71 Dietary whey proteins and their peptides or amino acids: effects on the jejunal mucosa of starved rats. M-G Poullain, J-P Cezard, C Marche, L Roger, F Mendy, and J-P Broyart

Obesity and eating disorders

77 Calorie-restricted low-fat diet and exercise in obese women. RL Hammer, CA Barrier, ES Roundy, JM Bradford, AG Fisher

(continued on inside cover)
Decreased caloric intake in normal-weight patients with bulimia: comparison with female volunteers. HE Gwirtzman, WH Kaye, E Obarzanek, DT George, DC Jimerson, and MH Ebert

Sustained depression of the resting metabolic rate after massive weight loss. DL Elliot, L Goldberg, KS Kuehl, and WM Bennett

Oral digestion of a complex-carbohydrate cereal: effects of stress and relaxation on physiological and salivary measures. DR Morse, GR Schacterle, L Furst, M Zaydenberg, and RL Pollack

Metabolic consequences of the α-glucosidase inhibitor BAY-M-1099 given to nondiabetic and diabetic rats fed a high-carbohydrate diet. Z Madar

Relationship of vitamin A and vitamin E intake to fasting plasma retinol, retinol-binding protein, retinyl esters, carotene, α-tocopherol, and cholesterol among elderly people and young adults: increased plasma retinyl esters among vitamin A-supplement users. SD Krasinski, RM Russell, CL Otradovec, JA Sadowski, SC Hartz, RA Jacob, and RB McGandy

Vitamin E supplementation in very-low-birth-weight infants: long-term follow-up at two different levels of vitamin E supplementation. KAR Rönnholm, L Dostálová, and MA Siimes

Biotin transport in the human intestine: inhibition by anticonvulsant drugs. HM Said, R Redha, and W Nylander

Glutathione peroxidase and selenium deficiency in patients receiving home parenteral nutrition: time course for development of deficiency and repletion of enzyme activity in plasma and blood cells. HJ Cohen, MR Brown, D Hamilton, J Lyons-Patterson, N Avissar, and P Liegey

Iron absorption in man: ascorbic acid and dose-dependent inhibition by phytate. L Hallberg, M Brune, and L Rossander

Iron, copper, and zinc status: response to supplementation with zinc or zinc and iron in adult females. MK Yadrick, MA Kenney, and EA Winterfeldt

Iron and zinc absorption in human subjects from a mixed meal of extruded and nonextruded wheat bran and flour. SJ Fairweather-Tait, DE Portwood, LL Symss, J Eagles, and MJ Minski

Fortification of curry powder with NaFe(111)EDTA in an iron-deficient population: initial survey of iron status. DE Ballot, AP MacPhail, TH Bothwell, M Gillooly, and FG Mayet

Fortification of curry powder with NaFe(111)EDTA in an iron-deficient population: report of a controlled iron-fortification trial. DE Ballot, AP MacPhail, TH Bothwell, M Gillooly, and FG Mayet


Thoughts on training and employment opportunities in clinical nutrition. BR Bistrían
Letters to the Editor

183  Clinical nutrition accreditation.  EA Young
183  Relationship of blood pressure, calcium intake, and parathyroid hormone.  J Villar, J Repke, and J Belizan
184  Reply to J Villar, J Repke, and J Belizan.  RM Lyle, CL Melby, and GC Hyner
184  Estimation of lean body mass by bioelectrical impedance.  MV Nelson
185  Reply to MV Nelson.  KR Segal and M Van Loan
185  Body fat distribution and weight loss in obese women.  R Pasquali, F Casimirri, P Colella, and N Melchionda
187  Reply to R Pasquali et al.  TA Wadden and AJ Stunkard
188  Announcements
191  Addendum
192  Information for Authors
199  Implementation of SI Units for Clinical Laboratory Data
215  Nomenclature Policy: Generic Descriptors and Trivial Names for Vitamins and Related Compounds
223  Nomenclature Policy: Abbreviated Designations of Amino Acids