



# The American Journal of CLINICAL NUTRITION

*A Publication of The American Society  
for Nutrition*

MARCH 2006 • VOLUME 83 • NUMBER 3

WWW.AJCN.ORG

ISSN 0002-9165

## EDITORIALS

Is vitamin C an antiinflammatory agent? *I Jialal and U Singh*  
See corresponding article on page 567. **525**

Dairy consumption and the prevention of colon cancer: is  
there more to the story than calcium? *JC Fleet*  
See corresponding article on page 667. **527**

## COMMENTARY

A new proposed guidance system for beverage consumption  
in the United States. *BM Popkin et al* **529**

## ORIGINAL RESEARCH COMMUNICATIONS

### Obesity and eating disorders

Association of body size with health status in patients  
beginning dialysis. *KL Johansen et al* **543**

Breastfeeding, introduction of complementary foods, and  
adiposity at 5 y of age. *HL Burdette et al* **550**

Calcium and dairy intakes in relation to long-term weight  
gain in US men. *SN Rajpathak et al* **559**

### Cardiovascular disease risk

Associations of vitamin C status, fruit and vegetable intakes,  
and markers of inflammation and hemostasis.  
*SG Wannamethee et al*  
See corresponding editorial on page 525.  
See corresponding CME exam on page 726. **567**

Mediterranean-inspired diet lowers the ratio of serum  
phospholipid n-6 to n-3 fatty acids, the number of  
leukocytes and platelets, and vascular endothelial growth  
factor in healthy subjects. *A Ambring et al* **575**

Assessment of the longer-term effects of a dietary portfolio  
of cholesterol-lowering foods in hypercholesterolemia.  
*DJA Jenkins et al* **582**

Soy-isoflavone-enriched foods and markers of lipid and  
glucose metabolism in postmenopausal women: interactions  
with genotype and equol production. *WL Hall et al* **592**

$\beta$ -Glucan incorporated into a fruit drink effectively lowers  
serum LDL-cholesterol concentrations. *E Naumann et al* **601**

### Nutritional status, dietary intake, and body composition

Conjugated linoleic acid supplementation for 1 y does not  
prevent weight or body fat regain. *TM Larsen et al* **606**

Reduced body protein in children with spastic quadriplegic  
cerebral palsy. *FE Arrowsmith et al* **613**

### Energy and protein metabolism

Total sulfur amino acid requirement of healthy school-age  
children as determined by indicator amino acid oxidation  
technique. *JM Turner et al* **619**

### Vitamins, minerals, and phytochemicals

Olestra is associated with slight reductions in serum  
carotenoids but does not markedly influence serum fat-  
soluble vitamin concentrations. *ML Neuhouser et al* **624**

Iron status and food matrix strongly affect the relative  
bioavailability of ferric pyrophosphate in humans.  
*D Moretti et al* **632**

Longitudinal examination of 24-h urinary iodine excretion in  
schoolchildren as a sensitive, hydration status-independent  
research tool for studying iodine status. *T Remer et al* **639**

### Pregnancy and lactation

Diet-induced iron deficiency anemia and pregnancy outcome  
in rhesus monkeys. *MS Golub et al* **647**

Randomized, placebo-controlled, calcium supplementation  
study in pregnant Gambian women: effects on breast-milk  
calcium concentrations and infant birth weight, growth, and  
bone mineral accretion in the first year of life. *LMA Jarjou et al* **657**

### Cancer

Calcium and dairy food intakes are inversely associated with  
colorectal cancer risk in the Cohort of Swedish Men.  
*SC Larsson et al*  
See corresponding editorial on page 527.  
See corresponding CME exam on page 728. **667**

### Nutritional epidemiology and public health

Changes in caffeine intake and long-term weight change in  
men and women. *E Lopez-Garcia et al* **674**

Physiologic mechanisms can predict hematologic responses  
to iron supplements in growing children: a computer  
simulation model. *W Sharieff et al* **681**

Transgenerational effects of betel-quid chewing on the  
development of the metabolic syndrome in the Keelung  
Community-based Integrated Screening Program.  
*TH-H Chen et al* **688**

A double-blind, randomized, clinical trial of the effect of  
vitamin A and zinc supplementation on diarrheal disease and  
respiratory tract infections in children in Mexico City, Mexico.  
*KZ Long et al* **693**

*Continued on Table of Contents inside*

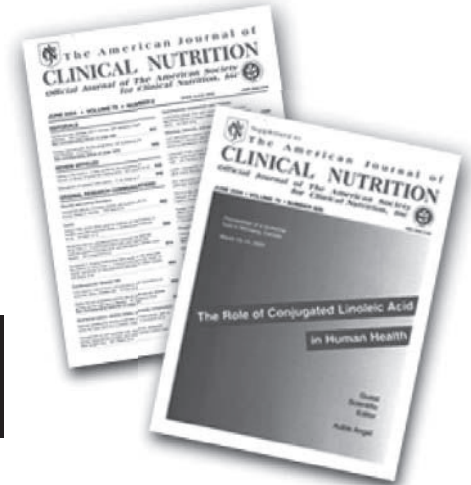


# The American Journal of Clinical Nutrition

Subscription Room L-2407A, 9650 Rockville Pike, Bethesda, MD 20814-3998 USA  
Phone: 301/634-7029 Fax: 301/634-7099 E-Mail: staff@dues.faseb.org

An Official Journal of The American Society for Nutrition, Inc.

- *AJCN* has the highest ISI impact among peer-reviewed nutrition and dietetics journals.
- Each month, *AJCN* provides the very latest original research in human nutrition.



## SUBSCRIPTION INFORMATION 2006

Subscription rates include *AJCN* online access!

	USA	INTERNATIONAL	
		Mexico & Canada	Elsewhere
Individual Online	175.00	175.00	175.00
Individual Online & Print	200.00	225.00	250.00
Institutional Online	400.00	400.00	400.00
Institutional Online & Print	415.00	440.00	465.00
Student Online	60.00	60.00	60.00
Student Online & Print	85.00	110.00	135.00

*Subscriptions are eligible to claim two missing issues per calendar year. Prepayment on international orders is required. Checks must be in U.S. dollars and drawn on a U.S. bank. International subscriptions are shipped by expedited mail. Students must provide certification.* EIN# 84-6036974

**TAXES:** Canada 7%; Maryland 5%; DC 6%

Name: \_\_\_\_\_ E-mail: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Credit Card Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Credit Card Type: American Express  Visa  Master Card

Name as it Appears on the Card: \_\_\_\_\_ Signature: \_\_\_\_\_

Bank transfer: Please add \$20 US for each bank/wire transfer.  
Bank of America Wire Transfer Department MD 4-301-1630  
Flagship Branch, ASCN Account No. 2003610177, Routing No. 0260-0959-3  
Bank of America, 10299 Rockville Pike, Bethesda, MD 20852, USA.