

# NUTRITION

The International Journal of Applied and Basic Nutritional Sciences

Volume 27

May 2011

Number 5

## Reviews

The cost of a healthy diet: A South African perspective..... 505  
Norman J. Temple, Ph.D., and Nelja P. Steyn, Ph.D.

Practicalities of nutrition support in the intensive care unit: The usefulness of gastric residual volume  
and prokinetic agents with enteral nutrition..... 509  
Emma J. Ridley, B.Nutri.Dietet., and Andrew R. Davies, F.R.A.C.P.

## Applied Nutritional Investigations

A higher degree of LINE-1 methylation in peripheral blood mononuclear cells, a one-carbon nutrient related  
epigenetic alteration, is associated with a lower risk of developing cervical intraepithelial neoplasia ..... 513  
Chandrika J. Piyathilake, Ph.D., Maurizio Macaluso, Dr.P.H., Ronald D. Alvarez, M.D., et al.

No effects of low and high consumption of dairy products and calcium supplements on body composition  
and serum lipids in Puerto Rican obese adults..... 520  
Cristina Palacios, Ph.D., José J. Bertrán, M.S., Ruth E. Ríos, M.S., et al.

Usefulness of exchanging a tunneled central venous catheter using a subcutaneous fibrous sheath ..... 526  
Kouji Masumoto, M.D., Ph.D., Genshiro Esumi, M.D., Risa Teshiba, M.D., et al.

Vitamin C provision improves mood in acutely hospitalized patients ..... 530  
Michelle Zhang, Line Robitaille, B.Sc., Shaun Eintracht, M.D., et al.

The Geriatric Nutritional Risk Index predicts increased healthcare costs and hospitalization in a cohort of  
community-dwelling older adults: Results from the MONICA/KORA Augsburg cohort study, 1994–2005 ..... 534  
Sebastian E. Baumeister, Ph.D., Beate Fischer, Ph.D., Angela Döring, M.D., et al.

Nutrient offerings from the meals and snacks served in four daycare centers in Guatemala City..... 543  
Marieke Vossenaar, Ph.D., Bindiya Panday, M.Sc., Victoria Hamelinck, M.Sc., et al.

Optimal prediction of the central venous catheter insertion depth on a routine chest x-ray ..... 557  
Yumiko Uchida, R.D., Masaki Sakamoto, M.D., Ph.D., Hiroki Takahashi, M.D., Ph.D., et al.

Validation of reaction time as a measure of cognitive function and quality of life in healthy subjects  
and patients..... 561  
Lene H. Jakobsen, M.Sc., Janice M. Sorensen, M.Sc., Ingeborg K. Rask, M.Sc., et al.

## Basic Nutritional Investigations

Study on possible mechanism of orotic acid-induced fatty liver in rats ..... 571  
Yu-Ming Wang, Ph.D., Xiao-Qian Hu, M.S., Yong Xue, Ph.D., et al.

Effect of synergic dietary calcium enrichment and induced ferropernic anemia on antioxidant enzymes  
activity in rats ..... 576  
Teresa Nestares, Ph.D., Inmaculada López-Aliaga, Ph.D., María J.M. Alférez, Ph.D., et al.

Antioxidant activity and hepatoprotective effects of whey protein and *Spirulina* in rats..... 582  
Ahmed S. Gad, Ph.D., Yasser A. Khadrawy, Ph.D., Aziza A. El-Nekeety, Ph.D., et al.

Dietary heme adversely affects experimental colitis in rats, despite heat-shock protein induction..... 590  
Marloes A.A. Schepens, M.Sc., Carolien Vink, B.Sc., Arjan J. Schonewille, B.Sc., et al.

**Protective effects of green tea on intestinal ischemia-reperfusion injury ..... 598**  
S.M. Abdeen, M.B., B.Ch., M.Sc., T.C. Mathew, M.Sc., Ph.D., F.R.C.Path., H.M. Dashti, M.D., Ph.D., F.A.C.S., F.I.C.S., et al.

**Lymph duct ligation during ischemia/reperfusion prevents pulmonary dysfunction in a rat model with  $\omega$ -3  
polyunsaturated fatty acid and glutamine ..... 604**  
Gui-zhen He, M.D., Liang-guang Dong, M.Sc., Xue-feng Chen, M.Sc., et al.

**Editorial**

**The ketogenic diet for epilepsy therapy in children: Quo vadis? ..... 615**  
Ryszard Pluta, M.D., Ph.D., and Mirosław Jabłoński, M.D., Ph.D.