ABSTRACTS OF COMMUNICATIONS

University of Edinburgh 27-30 AUGUST 1991

Gastric emptying and unidirectional water absorption of glucose solutions in man. C. S. Primrose, J. B. Leiper & R. J. Maughan
Effects of guar gum supplementation of breakfast cereals on small intestinal hydrolases in the rat. J. C. Mathers, Patricia A. Lawlor & D. S. Parker
Effects of enzyme supplementation on digestibility of wheat feed by weaned pigs. Devina McClean & K. J. McCracken
Comparison of the effects of bran and ispaghula on colonic contents in the rat. C. A. Edwards & M. A. Eastwood. The effect of supplementing elemental diet with dextran on colonic short-chain fatty acids and cellular proliferation
in the rat. C. A. Edwards, M. Bruce & A. Ferguson
In vitro fermentation of a galacto-oligosaccharide by human bacteria in continuous culture. M. Durand, C. Cordelet, G. Hannequart & P. Beaumatin
Effects of galacto-oligosaccharides (TOS) on bacterial enzymic activities and metabolite production in rats associated with a human faecal flora. <i>Hiroko Kikuchi, Claude Andrieux & Odette Szylit</i>
The effects of dietary guar gum or soya fibre on the activities of some NADPH-generating enzymes in rats. Heather J. Finlayson, Randi Barstad & J. C. Mathers
The influence of chronic ethanol feeding on duodenal and hepatic monoamine oxidase (EC 1.4.3.4) in the rat. N. P. Kennedy
The increase in n-3 fatty acids in plasma of humans consuming enriched eggs. David Farrell
Free radical oxidant generation by murine brain glial cells in vitro: potential nutritional antioxidant interactions and relevance to Alzheimer's dementia. P. H. Evans
The effect of dietary iron levels on iron status and antioxidant enzymes in the rat. H. E. Bristow, J. J. Strain & R. W. Welch
Influence of heated vegetable oils and α-tocopheryl acetate on susceptibility of chicken tissues to lipid peroxidation. P. J. A. Sheehy, P. A. Morrissey & A. Flynn
The effects of dietary lipid source on lipid peroxidation and damage to cardiac tissue induced by ischaemia and reperfusion. S. O'Farrell & M. J. Jackson
Effect of trans fatty acids on skeletal muscle membrane metabolism and viability. M. J. Jackson, R. Neale & G. Norton
Milk choices in Saskatchewan, Canada: consumer behaviour and reasons for milk choice. Alison M. Stephen & Bruce A. Reeder
The influence of type of milk and breakfast cereal consumption on daily intake of fat and non-starch polysaccharide in university students. Alison M. Stephen, Wendy J. Dahl & Glynis M. Sieber
The effect of variation in sources of energy intake on the nutritional quality of the diet of pre-school children. Jessica A. Payne
Intake and sources of sugar in the diet of pre-school children. Jessica A. Payne
The absorption of retinol in Bangladeshi children with ascariasis. F. Ahmed, B. Margetts & A. A. Jackson
Effect of vitamin A status on serum and tear immunoglobulins in children. S. M. Filteau, R. A. Abbott, P. Arthur, F. Dinka, J. Gyapong, D. Ross, M. Steward, R. Bailey, B. Kirkwood & A. M. Tomkins
Plasma vitamin A and E levels in healthy young women. P. Halford & A. A. Jackson
Unusual behaviour of a vitamin B ₁₂ -binder, Transcobalamin 1, in cattle plasma. J. Price, S. G. Barrie & S. Ueno
The effect of pyridoxine deficiency on copper status in male and female rats. J. C. W. Brown & J. J. Strain
No effect of dietary boron on urinary oestrogen excretion in rats. J. H. Beattie
Smoking, and correlations between dietary fat and adipose tissue linoleate (18:2n-6) using a food frequency questionnaire (FFQ). C. Bolton-Smith, M. Woodward & H. Tunstall-Pedoe
The effect of dietary oil composition on lipid composition of pig meat. C. A. Morgan, R. C. Noble, M. Cocchi & R. McCartney Serve lipids and explications (App. Al. A.2 and B.) in the Chinese from Table and Singapore. N. Selve R.
Serum lipids and apolipoproteins (Apo-A1, A2 and B) in the Chinese from mainland and Singapore. N. Saha & J. S. H. Tay
Which foods best discriminate between individuals with low-fat and high-fat diets? S. A. Gibson, D. A. Rose & R. C. Cottrell
Nutritional status of subjects with middle-aged onset Parkinson's disease. R. A. Abbott, H. Marcus, M. Cox, M. Hodkinson & A. Tomkins
The incidence and cause of weight loss in Parkinson's disease. An anthropometric study of eighty-five patients. H. S. Markus, A. Tomkins & G. M. Stern Additional Control of the Control
Acid-base status of pre-menopausal vegetarian and omnivorous women. By D. Ball, J. D. Robertson & R. J. Maughan
Evaluating dietary surveys against energy requirements. A. E. Black, G. R. Goldberg, S. A. Jebb & A. M. Prentice The effects of potassium deficiency on energy balance in the growing rat. R. Hailwood, S. A. Wootton & A. A. Jackson
Effect of porcine somatotropin and insulin on nutrient uptake by the hindlimb of growing pigs. Diane Wray-Cahen, Alan W. Bell, R. Dean Boyd & Dale E. Bauman
5-Oxo-L-proline and orotic acid excretion during normal pregnancy. C. Persaud, A. A. Jackson & G. Werkmeister Oestrogen production in human adipose tissue in vivo. K. N. Frayn, D. U. Hudson, K. L. Boulton & S. W.
Coppack Development of bio-markers for bone turnover: the excretion of pyridinium cross-links in pre-school children. F.
Branca, A. Duncan, C. Casey, A. Ferro-Luzzi & S. P. Robins Total body water measurement in very low birth weight infants using bioelectrical impedance. D. C. Wilson, T.
Baird, C. M. Scrimgeour, G. McClure, H. L. Halliday, M. McC. Reid & M. J. Rennie Ultrafiltered cow's milk as a milk substitute for rat pups. J. L. Smart, R. F. Massey, A. C. McMahon & D. G. Dalekish
Dalgleish

The Proceedings of the Nutrition Society

VOL. 51 No. 1 MAY 1992

CONTENTS

SYMPOSIUM PROCEEDINGS PAGE University of Edinburgh 27-30 AUGUST 1991 SATIETY Chairman: P. WRIGHT, University of Edinburgh Gastrointestinal satiety in animals other than man. D. V. Rayner 1-6 7-11 Role of gastrointestinal factors in hunger and satiety in man. N. W. Read 13-19 Metabolic aspects of satiety. J. M. Forbes 21-28 Integration of internal and external signals in intake control. D. A. Booth University of Edinburgh 27-30 AUGUST 1991 DIETARY ADVICE Chairman: Mrs. K. CARR, Glasgow Royal Infirmary 29-34 Dietary reference values. R. G. Whitehead 35-45 Are there conflicts in dietary advice for prevention of different diseases? M. J. Gibney 47-53 Dietary advice: foods or nutrients? D. A. T. Southgate 55 - 61Nutritional information: do we know what we are eating? Richard Moody 63-69 Is our dietary advice effective? A. E. de Looy, P. L. Auty & C. A. Coates University of Edinburgh 27-30 AUGUST 1991 NUTRITION AND DEVELOPMENT Chairman: A. A. Jackson, University of Southampton Jamaican studies in nutrition and child development, and their implications for national development. Sally M. 71-79 Grantham-McGregor & George Cumper 81-92 Nutrition and health development - lessons from Kerala. C. R. Soman Nutrition and socio-economic development in Southeast Asia. Rodolfo F. Florentino & Regina A. Pedro 93-104 WORKSHOP REPORTS University of Edinburgh 27-30 AUGUST 1991 Nutrition information and training: networking in international community nutrition. Jacqueline Landman & Ann 105 Can nutritional indicators be used to measure economic development? Elizabeth Dowler & Jane Pryer 107 SYMPOSIUM PROCEEDINGS University of Edinburgh 27-30 AUGUST 1991 COMPARATIVE ASPECTS OF ENERGY METABOLISM Chairman: J. D. Oldham, East of Scotland College of Agriculture Integration of human and animal concepts of energy metabolism. Paul W. Moe 109-115 Approaches and limitations to the prediction of energy requirements in wild animal husbandry and veterinary care. James K. Kirkwood & Peter M. Bennett 117-124 Merits of empirical and mechanistic approaches to the study of energy metabolism. K. J. McCracken 125-133 [Continued on p. iii of wrapper] © The Nutrition Society, 1992

Lamport Gilbert Ltd., Reading, England

CAMBRIDGE UNIVERSITY PRESS

The Pitt Building, Trumpington Street, Cambridge CB2 1RP 40 West 20th Street, New York, NY 10011-4211, USA 10 Stamford Road, Oakleigh, Victoria 3166, Australia