Contents, Vol. 33, 1989

Nutrition & Metabolism

European Journal of Nutrition, Metabolic Diseases and Dietetics
Journal européen de nutrition, des maladies métaboliques et de diététique
Europäische Zeitschrift für Ernährungswissenschaft, Stoffwechselstörungen und Diätketik
Official Journal of the Federation of European Nutrition Societies
Annals of Nutrition and Metabolism (formerly ‘Annales de la Nutrition et de l’Alimentation’ and ‘Nutrition and Metabolism’) is recognised by the Federation of European Nutrition Societies (FENS) as its official journal
Founded 1959 as ‘Nutritio et Dieta’ by E. Azerad, H. Kapp and J. Trémolières
Former Main Editor: A. Wretlind (1961-1969)
Continued as ‘Nutrition and Metabolism’ (1970-1980)
Since 1980 integrating ‘Annales de la Nutrition et de l’Alimentation’
Senior Editor Editorial Board
Main Editors
G. Wolfram, Freising J. Marks, Cambridge C. Barth, Kiel I. Macdonald, London 1

B. Brubacher, Basel J. Marks, Cambridge

J.W.T. Dickerson, Guildford C.F. Mills, Aberdeen

Associate Editor Ch. Frayssinet, Villejuif K.R. Norum, Oslo
G. Debruyne, Nancy P. Fürst, Stuttgart/Hohenheim G. Schlierf, Heidelberg
L. Gueguen, Jouy-en-Josas M.A. Spadoni, Roma ;
L., Hambraeus, Uppsala A.J. Vergroesen, Mariapfarr !
K. Hellsström, Stockholm W. Waldhäusl, Wien ;
F.A. Hommes, Augusta, Ga. A. Wretlind, Stockholm
B. Jacotot, Créteil Advisory Board, FENS H. Zucker, München 1
Austria Netherlands
B.M. Brandstetter, Wien R.J.J. Hermus, Boven-Leeuwen`
Bulgaria Norway
L. Balabanski, Sofia K.R. Norum, Oslo
Denmark Poland
E. Aaes-Jørgensen, København S. Berger, Warzawa
East Germany Spain
H. Schmandke, G. Varela, Madrid
Contents Vol. 33, 1989
No. 1 Original Paper
Effects of an Intravenous Application of c/-Alpha-Tocopheryl Acetate on Tocopherol Status in Man
Elmadfa, I.; Schwalbe, P.; Weidler, B.; Schlotzer, E  1
Effect of Varying Levels of Magnesium during Gestation and Lactation on Humoral Immune Response and Tissue Minerals in Rats
Kubena, K.S.; Cohill, D.T.; McMurray, D.N  7
Some Effects of Various Dietary Carbohydrates on Thyroid Activity in the Rat
Macdonald, 1 15
Effects of Durum Wheat Dietary Selenium on Glutathione Peroxidase Activity and Se Content in Long-Term-Fed Rats
Ciappellano, S.; Testolin, G.; Porrini, M  22
Glucose Turnover Rate and Perpheral Insulin Sensitivity in Alcoholic Patients without Liver Damage
Adaptive Response of Rats with Diet-Induced Adiposity to Energy Restriction
Panemangalore, M.; Lee, C.J.; Wilson, K  39
Nitrosamine Metabolism in Protein-Deficient Weanling Rats during the Process of Repletion
Maduagwu, E.N  49
Experimental Selenium Toxicity in Guinea Pigs: Biochemical Studies
Das, P.M.; Sadana, J.R.; Gupta, R.K.P.; Kumar, K  57
Announcements 64
No. 2 Review
Stable Isotopes as Tracers in Clinical Research
Pacy, P.J.; Cheng, K.N.; Thompson, G.N.; Halliday, D  65
Original Paper
Interrelationships between Body Weight, Body Fat Distribution and Insulin in Obese Women before and after Hypocaloric Feeding and Weight Loss
Casimirri, F.; Pasquali, R.; Cesari, M.P.; Melchionda, N.; Barbara, L  79
Insulin-Like Growth Factor-I in the Parenterally Fed Low Birth Weight Infant
Saini, J.R.; Morgan, J.B.; Teale, J.D.; Kovar, I.Z  88
Interaction between Caffeine Intake and Nutritional Status on Growing Brains in Newborn Rats
Effects of Acarbose on Serum Lipoproteins in Healthy Individuals during Prolonged Administration of a Fiber-Free Formula Diet
Chick. I. Fast Respiratory 14C02 and Acetyl-CoA Renewal
Simonnet, F.; Ng, L.T.; Auliac, P.; Jacob, A.; Pascaud, M 271
In vivo 14C Isotopic Evaluation of Amino Acid Oxidative Catabolism in the Growing
Chick. II. Slow Respiratory 14C02 and Protein Renewal
Simonnet, F.; Ng, L.T.; Auliac, P.; Jacob, A.; Pascaud, M 279
Effects of Diet and Metoprolol on Lipid Levels in the Blood Plasma and Morphology of the
Heart and Intramural Branches of Coronary Arteries of Spontaneously Hypertensive
Male Rats. A 9-Month Study
Sjöblom, L.; Eklund, A.; Östlund-Lindqvist, A.-M.; Jönsson, L 284
Effects of Stigmasterol-Supplemented Diets on Fecal Neutral Sterols and Bile Acid Excretion in
Rats
Andriamiarina, R.; Laraki, L.; Pelletier, X.; Debry, G 297
Announcement 304
IV
Contents
No. 6 Original Paper
Bromocriptine Alters Hormone Rhythms and Lipid Metabolism in Swine
Cincotta, A.H.; Meier, A.H.; Southern, L.L 305
Adipose Tissue Levels of Fatty Acids and Tocopherol in Young and Old Women
Schäfer, L.; Overvad, K.; Thorling, E.B.; Velander, G 315
Effect of 5% Galactose Diet on Galactose and Dulcitol in Plasma and Lens of Male and
Female Pigs
Aloussi, S.; Briolouez-Aragon, L; Fevrier, C; Papadopoulos, H 323
Direct Inhibitory Effect of High Glucose in Mesenteric Artery on Glucose Absorption from
Isolated Perfused Rat Intestine
Mokuda, O.; Sakamoto, Y.; Ikeda, T.; Mashiba, H 330
Plasma Glucose and Insulin, Urinary Catecholamine and Cortisol Responses to Test Break
fats with High or Low Fibre Content: The Importance of the Previous Diet
Sundell, LB.; Hallmans, G.; Nilsson, T.K.; Nygren, C 333
Affinity Chromatographic Identification of Vitamin B[J]-Binding Proteins in Egg White
Zak, Z.; Röpala, M.; Turyna, I.; Wenhrynowicz, O.; Kozik, A 341
Experimental Selenium Toxicity in Guinea Pigs: Haematological Studies
Das, P.M.; Sadana, J.R.; Gupta, R.K.P.; Gupta, R.P 347
Insulin Extraction and Glucose Output by the Perfused Liver of Starved Rats
Effects of Fish Oil Capsules in Two Dosages on Blood Pressure, Platelet Functions,
Haemorheological and Clinical Chemistry Parameters in Apparently Healthy Subjects
Bette, L.; Heyden, S 359
Announcement 368
Author Index 369
Subject Index 371
S. Karger ■ Medical and Scientific Publishers
Basel · München · Paris · London · New York · New Delhi · Bangkok ■ Singapore · Tokyo ·
Sydney
Drug Dosage
The authors and the publisher have exerted every effort to ensure that drug selection and dosage set forth in this text are in accord with current recommendations and practice at the time of publication. However, in view of ongoing research, changes in government regulations, and the constant flow of information relating to drug therapy and drug reactions, the reader is urged to check the package insert for each drug for any change in indications and dosage and for added warnings and precautions. This is particularly important when the recommended agent is a new and/or infrequently employed drug.

All rights reserved.

No part of this publication may be translated into other languages, reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, recording, microcopying, or by any information storage and retrieval system, without permission in writing from the publisher or, in the case of photocopying, direct payment of a specified fee to the Copyright Clearance Center (see ‘Information for Readers and Subscribers’).

© Copyright 1989 by
S. Karger AG, P.O. Box, CH-4009 Basel (Switzerland) Printed in Switzerland by Thür AG Offsetdruck, Pratteln