

CONTENTS

Editorial

- trans*-Fatty Acids, Insulin Resistance/Diabetes, and Cardiovascular Disease Risk: Should Policy Decisions Be Based on Observational Cohort Studies, or Should We Be Waiting for Results From Randomized Placebo-Controlled Trials?
Konstantinos N. Aronis, Richard J. Joseph, George L. Blackburn, and Christos Mantzoros 901

Full-Length Articles

- Effect of *trans*-Fatty Acid Intake on Insulin Sensitivity and Intramuscular Lipids—A Randomized Trial in Overweight Postmenopausal Women
Nathalie T. Bendsen, Steen B. Haugaard, Thomas M. Larsen, Elizaveta Chabanova, Steen Stender, and Arne Astrup 906
- Circulating Interleukin-1 β and Interleukin-6 Concentrations Are Closely Associated With γ -Glutamyltranspeptidase Activity in Middle-Aged Japanese Men Without Obvious Cardiovascular Diseases
Kazuki Mochizuki, Yasumi Misaki, Rie Miyauchi, Satsuki Takabe, Masaya Shimada, Noriyuki Miyoshi, Yoko Ichikawa, and Toshinao Goda 914
- Postprandial Effects of Almond Consumption on Human Osteoclast Precursors—An Ex Vivo Study
Ilana D. Platt, Andrea R. Josse, Cyril W.C. Kendall, David J.A. Jenkins, and Ahmed El-Sohemy 923
- Up-Regulation of Hepatic Low-Density Lipoprotein Receptor-Related Protein 1: A Possible Novel Mechanism of Antiatherogenic Activity of Hydroxymethylglutaryl-Coenzyme A Reductase Inhibitor: Atorvastatin and Hepatic LRP1 Expression
Jae Hoon Moon, Saet Byol Kang, Jong Suk Park, Byung Wan Lee, Eun Seok Kang, Chul Woo Ahn, Hyun Chul Lee, and Bong Soo Cha 930
- Effects of 1 Day of Inactivity on Insulin Action in Healthy Men and Women: Interaction With Energy Intake
Brooke R. Stephens, Kirsten Granados, Theodore W. Zderic, Marc T. Hamilton, and Barry Braun 941
- Metabolism of Primed, Constant Infusions of [1,2-¹³C₂] Glycine and [1-¹³C₁] Phenylalanine to Urinary Oxalate
John Knight, Dean G. Assimos, Michael F. Callahan, and Ross P. Holmes 950
- Increased Postabsorptive and Exercise-Induced Whole-Body Glucose Production in Patients With Chronic Obstructive Pulmonary Disease
Frits M.E. Franssen, Hans P. Sauerwein, Mariette T. Ackermans, Erica P.A. Rutten, Emiel F.M. Wouters, and Annemie M.W.J. Schols 957
- Low-Salt Diet Increases Insulin Resistance in Healthy Subjects
Rajesh Garg, Gordon H. Williams, Shelley Hurwitz, Nancy J. Brown, Paul N. Hopkins, and Gail K. Adler 965
- The Association Between the Metabolic Syndrome and Alanine Amino Transferase Is Mediated by Insulin Resistance Via Related Metabolic Intermediates (the Cohort on Diabetes and Atherosclerosis Maastricht [CODAM] Study)
Marjon Jacobs, Marleen M.J. van Greevenbroek, Carla J.H. van der Kallen, Isabel Ferreira, Edith J.M. Feskens, Eugene H.J.M. Jansen, Casper G. Schalkwijk, and Coen Stehouwer 969
- Increased Adipose Tissue Lipolysis After a 2-Week High-Fat Diet in Sedentary Overweight/Obese Men
Harold R. Howe III, Kimberly Heidal, Myung Dong Choi, Ray M. Kraus, Kristen Boyle, and Robert C. Hickner 976

(Contents continued)

Maternal Short Sleep Duration Is Associated With Increased Levels of Inflammatory Markers at 3 Years Postpartum <i>Elsie M. Taveras, Sheryl L. Rifas-Shiman, Janet W. Rich-Edwards, and Christos S. Mantzoros</i>	982
Soluble Leptin Receptor and Leptin Are Associated With Baseline Adiposity and Metabolic Risk Factors, and Predict Adiposity, Metabolic Syndrome, and Glucose Levels at 2-Year Follow-Up: The Cyprus Metabolism Prospective Cohort Study <i>Ole-Petter R. Hamnvik, Xiaowen Liu, Michael Petrou, Huizhi Gong, John P. Chamberland, Esther H. Kim, Costas A. Christophi, Stefanos N. Kales, David C. Christiani, and Christos S. Mantzoros</i>	987
Similar to Adiponectin, Serum Levels of Osteoprotegerin Are Associated With Obesity in Healthy Subjects <i>David T. Ashley, Eoin P. O'Sullivan, Colin Davenport, Niamh Devlin, Rachel K. Crowley, Noel McCaffrey, Niall M. Moyna, Diarmuid Smith, and Donal J. O'Gorman</i>	994
Lipid in the Livers of Adolescents With Nonalcoholic Steatohepatitis: Combined Effects of Pathways on Steatosis <i>Lixin Zhu, Susan S. Baker, Wensheng Liu, Meng-Hua Tao, Raza Patel, Norma J. Nowak, and Robert D. Baker</i>	1001
Adipose Triglyceride Lipase Expression in Human Adipose Tissue and Muscle. Role in Insulin Resistance and Response to Training and Pioglitazone <i>Aiwei Yao-Borengasser, Vijayalakshmi Varma, Robert H. Coker, Gouri Ranganathan, Bounleut Phanavanh, Neda Rasouli, and Philip A. Kern</i>	1012
Glycosylphosphatidylinositol-Anchored Proteins Coordinate Lipolysis Inhibition Between Large and Small Adipocytes <i>Günter Müller, Susanne Wied, Elisabeth-Ann Dearey, and Gabriele Biemer-Daub</i>	1021
Association Between Extended-Release Niacin Treatment and Glycemic Control in Patients With Type 2 Diabetes Mellitus: Analysis of an Administrative-Claims Database <i>Baishali M. Ambegaonkar, Chuck Wentworth, Christopher Allen, and Vasilisa Sazonov</i>	1038
Preliminary Report	
Leptin Replacement Improves Postprandial Glycemia and Insulin Sensitivity in Human Immunodeficiency Virus-Infected Lipoatrophic Men Treated With Pioglitazone: A Pilot Study <i>Faidon Magkos, Aoife Brennan, Laura Sweeney, Eun Seok Kang, John Doweiko, Adolf W. Karchmer, and Christos S. Mantzoros</i>	1045
Letters to the Editor	
To What Extent Is It Right to Measure Serum Vaspin, Obestatin, and Apelin-36 Levels Without a Protease Inhibitor in Nonalcoholic Fatty Liver Disease? <i>Suleyman Aydin, Ibrahim Sahin, Ulvi Demirel, and Aziz Aksoy</i>	E1
Reply to Aydin Et Al: "To What Extent Is It Right to Measure Serum Vaspin, Obestatin, and Apelin-36 Levels Without a Protease Inhibitor in Nonalcoholic Fatty Liver disease?" <i>Yusuf Yilmaz and Fatih Eren</i>	E3