

## CONTENTS

|                                                                                                                                                                                                                                                                                                           |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Relationship Between Obesity and Several Cardiovascular Disease Risk Factors in Apparently Healthy Korean Individuals: Comparison of Body Mass Index and Waist Circumference<br><i>Ki Chul Sung, Seungho Ryu, Gerald M. Reaven, and Members of the Health Screening Group at Kangbuk Samsung Hospital</i> | 297 |
| Comparison of Insulin Responses in Experiments Using Pooled Mice Islets Versus Islets From Individual Animals in the Study of Diabetes<br><i>Stig Eric Dyrskog, Mogens Erlandsen, Jianguo Chen, Jing Hong, Reziwanggu Abudula, and Kjeld Hermansen</i>                                                    | 304 |
| Metformin Reduces Endothelial Cell Expression of Both the Receptor for Advanced Glycation End Products and Lectin-Like Oxidized Receptor 1<br><i>Nadjet Ouslimani, Meriem Mahrouf, Jacqueline Peynet, Dominique Bonnefont-Rousselot, Claudine Cosson, Alain Legrand, and Jean-Louis Beaudeux</i>          | 308 |
| Very Low Serum Adiponectin Levels in Patients With Type 1 Gaucher Disease Without Overt Hyperglycemia<br><i>Mirjam Langeveld, Saskia Scheij, Peter Dubbelhuis, Carla E.M. Hollak, Hans P. Sauerwein, Peter Simons, and Johannes M.F.G. Aerts</i>                                                          | 314 |
| Metabolic Syndrome and Arterial Stiffness: The Health 2000 Survey<br><i>Kalle Sipilä, Teemu Koivistoinen, Leena Moilanen, Tuomo Nieminen, Antti Reunanen, Antti Jula, Veikko Salomaa, Risto Kaaja, Tiit Kõöbi, Katriina Kukkonen-Harjula, Silja Majahalme, and Mika Kähönen</i>                           | 320 |
| Association of Serum Retinol Binding Protein 4 and Insulin Resistance in Apparently Healthy Adolescents<br><i>Duk-Chul Lee, Ji-Won Lee, and Jee-Aee Im</i>                                                                                                                                                | 327 |
| An Exercise Intervention Without Weight Loss Decreases Circulating Interleukin-6 in Lean and Obese Men With and Without Type 2 Diabetes Mellitus<br><i>Mark J. Dekker, SoJung Lee, Robert Hudson, Katherine Kilpatrick, Terry E. Graham, Robert Ross, and Lindsay E. Robinson</i>                         | 332 |
| Elevated Serum S-Adenosylhomocysteine in Cobalamin-Deficient Megaloblastic Anemia<br><i>Elvira M. Guerra-Shinohara, Olga E. Morita, Regina A. Pagliusi, Vera L. Blaia-d'Avila, Robert H. Allen, and Sally P. Stabler</i>                                                                                  | 339 |
| Predictors of Abdominal Obesity and High Susceptibility of Cardiometabolic Risk to Its Increments Among Turkish Women: A Prospective Population-Based Study<br><i>Altan Onat, Ibrahim Sari, Gülay Hergenç, Mehmet Yazıcı, Hüseyin Uyarel, Günay Can, and Vedat Sansoy</i>                                 | 348 |
| Vascular Smooth Muscle Cell Apoptosis Induced by 7-Ketocholesterol Was Mediated Via Ca <sup>2+</sup> and Inhibited by the Calcium Channel Blocker Nifedipine<br><i>Hidehisa Sasaki, Fusako Watanabe, Takeyoshi Murano, Yoh Miyashita, and Kohji Shirai</i>                                                | 357 |
| Special Article: The Cross-Sectional and Longitudinal Dependence of the Resting Metabolic Rate on the Fat-Free Mass<br><i>Seymour S. Alpert</i>                                                                                                                                                           | 363 |
| Dietary Salt Loading Exacerbates the Increase in Sympathetic Nerve Activity Caused by Intravenous Insulin Infusion in Rats<br><i>Martin S. Muntzel, Ruth Crespo, Tawyanna Joseph, and Onyekwere Onwumere</i>                                                                                              | 373 |
| Liver-Selective Glucocorticoid Receptor Antagonism Decreases Glucose Production and Increases Glucose Disposal, Ameliorating Insulin Resistance<br><i>Bradley Zinker, Amanda Mika, Phong Nguyen, Denise Wilcox, Lars Öhman, Thomas W. von Geldern, Terry Opgenorth, and Peer Jacobson</i>                 | 380 |

(Contents continued)

|                                                                                                                                                                                                                                                                                                                                                                                                    |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Association of the Peroxisome Proliferator–Activated Receptor $\gamma$ Gene With Type 2 Diabetes Mellitus Varies by Physical Activity Among Non-Hispanic Whites From Colorado<br><i>Tracy L. Nelson, Tasha E. Fingerlin, Laurie K. Moss, M. Michael Barmada, Robert E. Ferrell, and Jill M. Norris</i>                                                                                             | 388 |
| Dimethylarginines at the Crossroad of Insulin Resistance and Atherosclerosis<br><i>Judit Zsuga, János Török, Mária T. Magyar, Attila Valikovics, Rudolf Gesztelyi, Ágota Lenkei, László Csiba, Sándor Kéki, Miklós Zsuga, and Dániel Bereczki</i>                                                                                                                                                  | 394 |
| Almonds and Postprandial Glycemia—A Dose-Response Study<br><i>Andrea R. Josse, Cyril W.C. Kendall, Livia S.A. Augustin, Peter R. Ellis, and David J.A. Jenkins</i>                                                                                                                                                                                                                                 | 400 |
| Berberine Stimulates Glucose Transport Through a Mechanism Distinct From Insulin<br><i>Libin Zhou, Ying Yang, Xiao Wang, Shangquan Liu, Wenbin Shang, Guoyue Yuan, Fengying Li, Jinfeng Tang, Mingdao Chen, and Jialun Chen</i>                                                                                                                                                                    | 405 |
| Vascular, Metabolic, and Inflammatory Abnormalities in Normoglycemic Offspring of Patients With Type 2 Diabetes Mellitus<br><i>Manfredi Tesauero, Stefano Rizza, Micaela Iantorno, Umberto Campia, Carmine Cardillo, Davide Lauro, Roberto Leo, Mario Turriziani, Giulio Cesare Cocciolillo, Angelo Fusco, Julio A. Panza, Angelo Scuteri, Massimo Federici, Renato Lauro, and Michael J. Quon</i> | 413 |
| Increased Hepatic Expression of Ganglioside-Specific Sialidase, NEU3, Improves Insulin Sensitivity and Glucose Tolerance in Mice<br><i>Shinsuke Yoshizumi, Susumu Suzuki, Masashi Hirai, Yoshinori Hinokio, Tetsuya Yamada, Takahiro Yamada, Uiko Tsunoda, Hiroyuki Aburatani, Kazunori Yamaguchi, Taeko Miyagi, and Yoshitomo Oka</i>                                                             | 420 |
| Genes That Affect Cholesterol Synthesis, Cholesterol Absorption, and Chylomicron Assembly: The Relationship Between the Liver and Intestine in Control and Streptozotocin Diabetic Rats<br><i>Sean Lally, Daphne Owens, and Gerald H. Tomkin</i>                                                                                                                                                   | 430 |