Metabolism

Clinical and Experimental

Vol 60, No 1, January 2011

CONTENTS

Management of Type 2 Diabetes: Evolving Strategies for the Treatment of Patients With Type 2 Diabetes Ebenezer A. Nyenwe, Terri W. Jerkins, Guillermo E. Umpierrez, and Abbas E. Kitabchi	1
Hyperinsulinemia and Metabolic Syndrome at Mean Age of 10 Years in Black and White Schoolgirls and Development of Impaired Fasting Glucose and Type 2 Diabetes Mellitus by Mean Age of 24 Years John A. Morrison, Charles J. Glueck, Muhammad Umar, Stephen Daniels, Lawrence M. Dolan, and Ping Wang	24
Does Long-Term Metformin Treatment Increase Cardiac Lipoprotein Lipase? David Hauton	32
Beneficial Effects of IH-901 on Glucose and Lipid Metabolisms Via Activating Adenosine Monophosphate–Activated Protein Kinase and Phosphatidylinositol-3 Kinase Pathways Hai-Dan Yuan, Sung Jip Kim, and Sung-Hyun Chung	43
Addition of Metformin to Exogenous Glucagon-Like Peptide–1 Results in Increased Serum Glucagon-Like Peptide–1 Concentrations and Greater Glucose Lowering in Type 2 Diabetes Mellitus Joy Cuthbertson, Steven Patterson, Finbarr P. O'Harte, and Patrick M. Bell	52
What Is the Effect of Rosiglitazone Treatment on Insulin Secretory Function in Insulin-Resistant Individuals? It Depends on How You Measure It Fahim Abbasi, Cindy Lamendola, and Gerald M. Reaven	57
Vaspin and Visfatin/Nampt Are Interesting Interrelated Adipokines Playing a Role in the Pathogenesis of Type 2 Diabetes Mellitus Hala O. El-Mesallamy, Dina H. Kassem, Ebtehal El-Demerdash, and Ashraf I. Amin	63
Oxidant Balance Markers at Birth in Relation to Glycemic and Acid-Base Parameters Johan Verhaeghe, Rita van Bree, and Erik Van Herck	71
Improvement of Postprandial Hyperglycemia and Arterial Stiffness Upon Switching From Premixed Human Insulin 30/70 to Biphasic Insulin Aspart 30/70 Masahiro Ohira, Kei Endo, Tomokazu Oyama, Takashi Yamaguchi, Noriko Ban, Hidetoshi Kawana, Daiji Nagayama, Ayako Nagumo, Atsuhito Saiki, Takeyoshi Murano, Hitoshi Watanabe, Yoh Miyashita, and Kohji Shirai	78
Insufficient Sensitivity of Hemoglobin A _{1C} Determination in Diagnosis or Screening of Early Diabetic States Stefan S. Fajans, William H. Herman, and Elif A. Oral	86
Metabolic Response to Endotoxin In Vivo in the Conscious Mouse: Role of Interleukin-6 Andrea Tweedell, Kimberly X. Mulligan, Josie E. Martel, Fu-Yu Chueh, Tammy Santomango, and Owen P. McGuinness	92
Erythrocyte Glutathione Concentration and Production During Hyperinsulinemia, Hyperglycemia, and Endotoxemia in Healthy Humans Saskia N. van der Crabben, Michiel E. Stegenga, Regje M.E. Blümer, Mariëtte T. Ackermans, Erik Endert, Michael W.T. Tanck, Mireille J. Serlie, Tom van der Poll, and Hans P. Sauerwein	99
Novel Compound Heterozygous Mutations in the Fructose-1,6-Bisphosphatase Gene Cause Hypoglycemia and Lactic Acidosis Sungdae Moon, Ju-Hee Kim, Je-Ho Han, Seung-Hyun Ko, Yu-Bae Ahn, Ju-Hoon Kim, Song-Hyun Yang, and Ki-Ho Song	107
Expression of the Selenoprotein S (SELS) Gene in Subcutaneous Adipose Tissue and SELS Genotype Are Associated With Metabolic Risk Factors Maja Olsson, Bob Olsson, Peter Jacobson, Dag S. Thelle, Johan Björkegren, Andrew Walley, Philippe Froguel, Lena M.S. Carlsson, and Kajsa Sjöholm	114

(Contents continued)

(Contents continued)	
Insulin Resistance and Lower Plasma Adiponectin Increase Malignancy Risk in Nondiabetic Continuous	
Ambulatory Peritoneal Dialysis Patients	
Jung Tak Park, Tae-Hyun Yoo, Tae Ik Chang, Dong Hyung Lee, Joo Hyun Lee, Jung Eun Lee,	
Hoon Young Choi, Shin-Wook Kang, Dae-Suk Han, and Dong-Ryeol Ryu	121
Periodontal and Coronary Heart Disease in Patients Undergoing Coronary Angiography	
Robert Berent, Johann Auer, Peter Schmid, Gerald Krennmair, Stephen F. Crouse, John S. Green,	
Helmut Sinzinger, and Serge P. von Duvillard	127
Widespread Effects of Nicotinic Acid on Gene Expression in Insulin-Sensitive Tissues: Implications for	
Unwanted Effects of Nicotinic Acid Treatment	
Sangdun Choi, Hana Yoon, Ki-Sook Oh, Young Taek Oh, Young I. Kim, Insug Kang, and Jang H. Youn	134
Calcium/Calmodulin-Dependent Protein Kinase IV Involvement in the Pathophysiology of Glucotoxicity in	
Rat Pancreatic β -Cells	
Yasunori Sugiyama, Koji Murao, Hitomi Imachi, Noriyuki Sugyoshi, Toshihiko Ishida, and Isamu Kameshita	145