

## Original Articles

**S105** What is gestational diabetes?

*T.A. Buchanan, A. Xiang, S.L. Kjos, R. Watanabe*

**S112** Cellular mechanisms for insulin resistance in normal pregnancy and gestational diabetes

*L.A. Barbour, C.E. McCurdy, T.L. Hernandez, J.P. Kirwan, P.M. Catalano, J.E. Friedman*

**S120** The human placenta in gestational diabetes mellitus: the insulin and cytokine network

*G. Desoye, S. Hauguel-de Mouzon*

**S127** Diabetes-related autoantibodies and gestational diabetes

*A. de Leiva, D. Mauricio, R. Corcoy*

**S134** Genetics of gestational diabetes mellitus and type 2 diabetes

*R.M. Watanabe, M.H. Black, A.H. Xiang, H. Allayee, J.M. Lawrence, T.A. Buchanan*

**S141** Increasing prevalence of gestational diabetes mellitus: a public health perspective

*A. Ferrara*

**S147** Low birth weight as a risk factor for gestational diabetes, diabetes, and impaired glucose tolerance during pregnancy

*D.J. Pettitt, L. Jovanovic*

**S150** Genetics of size at birth

*D.B. Dunger, C.J. Petry, K.K. Ong*

**S156** Phenotype of infants of mothers with gestational diabetes

*P.M. Catalano, A. Thomas, L. Huston-Presley, S.B. Amini*

**S161** Breastfeeding after gestational diabetes pregnancy: subsequent obesity and type 2 diabetes in women and their offspring

*E.P. Gunderson*

**S169** The predisposition to obesity and diabetes in offspring of diabetic mothers

*D. Dabelea*

**S175** Obstetric management in gestational diabetes

*D.L. Conway*

**S180** Goals of metabolic management of gestational diabetes: is it all about the sugar?

*M. Hod, Y. Yogeve*

**S188** Medical nutrition therapy and lifestyle interventions

*D.M. Reader*

**S194** The National Institute of Child Health and Human Development Maternal-Fetal Medicine Unit Network randomized clinical trial in progress: standard therapy versus no therapy for mild gestational diabetes

*M.B. Landon, E. Thom, C.Y. Spong, M. Carpenter, L. Mele, F. Johnson, J. Tillinghast, G. Anderson for the Maternal Fetal Medicine Units Network, the National Institute of Child Health and Human Development, Bethesda, Maryland*

**S200** Modified therapy for gestational diabetes using high-risk and low-risk fetal abdominal circumference growth to select strict versus relaxed maternal glycemic targets

*S.L. Kjos, U.M. Schaefer-Graf*

**S206** Pharmacological management of gestational diabetes: an overview

*D.R. Coustan*

**S209** Glyburide for the treatment of gestational diabetes: a critical appraisal

*T.R. Moore*

**S214** A trial in progress: gestational diabetes: treatment with metformin compared with insulin (the Metformin in Gestational Diabetes [MiG] trial)

*J.A. Rowan on behalf of the MiG Investigators*

**S220** Treatment with insulin and its analogs in pregnancies complicated by diabetes

*L. Jovanovic, D.J. Pettitt*

**S225** Gestational diabetes after delivery: short-term management and long-term risks

*J.L. Kitzmiller, L. Dang-Kilduff, M.M. Taslimi*

**S236** Contraception after gestational diabetes

*P. Damm, E.R. Mathiesen, K.R. Petersen, S. Kjos*

**S242** Prevention of type 2 diabetes in women with previous gestational diabetes

*R.E. Ratner*

**S246** Gestational diabetes, pregnancy hypertension, and late vascular disease

*M.W. Carpenter*

**S251** Summary and recommendations of the Fifth International Workshop-Conference on Gestational Diabetes Mellitus

*B.E. Metzger, T.A. Buchanan, D.R. Coustan, A. de Leiva, D.B. Dunger, D.R. Hadden, M. Hod, J.L. Kitzmiller, S.L. Kjos, J.N. Oats, D.J. Pettitt, D.A. Sacks, C. Zoupas*

**S261** SI Units Table