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An exploration of the shared pathophysiological mechanisms of gestational diabetes



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Potential Mechanisms of Exercise in Gestational Diabetes

<https://www.hindawi.com/journals/jnme/2013/285948> ▼

To receive news and publication updates for Journal of Nutrition and Metabolism, enter your email address in the box below. ... because of the similarity between GDM and type 2 **diabetes**, most of the suggested **mechanisms** in **diabetes** can be extrapolated to GDM. ... N. Raif et al., "Adiponectin and beta cell dysfunction in **gestational diabetes** ...

Cited by: 14

Author: Saeid Golbidi, Ismail Laher

Publish Year: 2013

Special Issue "Risk Factors and Molecular Mechanisms of ...

https://www.mdpi.com/journal/ijms/special_issues/gestational_diabetes ▼

Maternal **diabetes** and **obesity** induce marked abnormalities in glucose **homeostasis** and insulin secretion in the fetus, and are linked to **obesity**, **diabetes**, and metabolic disease in the offspring, with specific metabolic characterization based on offspring sex. **Gestational diabetes** (GDM) has profound effects on the intrauterine milieu, which may reflect and/or modulate the function of the maternal-fetal ...

Offspring of diabetic pregnancy: Long-term outcomes ...

https://www.researchgate.net/publication/23998922_Offspring_of...

Whereas BS leads to the mitigation of many obesity-related pregnancy complications, such as **gestational diabetes** mellitus (GDM), pregnancy induced hypertension and fetal macrosomia; those ...

Pregnancy as the Prodrome to Vascular Dysfunction and ...

https://www.medscape.com/viewarticle/547108_2 ▼

In a study of 117,629 women over 20 years of age, those who later developed diabetes had substantially elevated relative risk (RR) of CVD before (RR 3.75, 95% CI 3.1-4.5) as well as after (RR 4.57, 95% CI 3.9-5.4) clinical **diagnosis** of **diabetes**.

The Changing Epidemiology of Autism Spectrum Disorders ...

<https://www.annualreviews.org/doi/full/10.1146/annurev-publhealth...>

Both lower **gestational age**/preterm birth (2, 107, 111, 113, 135) and small- or **large**-size-for-gestation appear to independently increase risk of ASD (2, 135), though these factors may also be markers or mediators of other pregnancy risks.

Name of Journal: *World Journal of Diabetes*

Manuscript NO: 47944

Manuscript Type: MINIREVIEWS

Exploration of the shared pathophysiological mechanisms of gestational diabetes and large for gestational age offspring

Nahavandi S *et al.* Gestational diabetes and large-for-gestational-age offspring

Sofia Nahavandi, Sarah Price, Priya Sumithran, Elif Ilhan Ekinici

Abstract

Gestational diabetes and large for gestational age (LGA) offspring are two common pregnancy complications. Connections also exist between the two conditions, including mutual maternal risk factors for the conditions and an increased prevalence of LGA offspring amongst pregnancies affected by gestational diabetes. Thus, it is

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Gestational Diabetes: Pathogenesis and Consequences to ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2664679>

Feb 10, 2009 · A retrospective UK study of 287,213 pregnancies between 1989 and 1997 showed that after adjusting for ethnic group, parity, maternal **age** and history of hypertension, women with a BMI ≥ 30 were more likely to develop **gestational diabetes** than women with a ...

Cited by: 101

Author: Risto Kaaja, Tapani Rönnemaa

Publish Year: 2008

Gestational Diabetes and Subsequent Growth Patterns of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3707279>

Our objective was to test the hypothesis that intrauterine exposure to **gestational diabetes** [GDM] predicts childhood growth independent of the effect on infant birthweight. We conducted a prospective analysis of 28,358 mother-infant pairs who enrolled in the National Collaborative Perinatal Project between 1959 and 1965.

Cited by: 82

Author: Kesha Baptiste-Roberts, Wanda K. Nic...

Publish Year: 2012

Pathogenesis of gestational DM - Other types of diabetes ...

<https://www.diapedia.org/.../41040851394/pathogenesis-of-gestational-dm> ▾

Gestational diabetes (GDM) describes a heterogeneous group of hyperglycemic metabolic disorders detected in pregnancy. The majority of women with GDM are overweight or obese, and many have latent metabolic syndrome, a genetic predisposition to type 2 **diabetes**, a physically inactive lifestyle and unhealthy eating habits prior to pregnancy.

Gestational Diabetes Pathophysiology - News Medical

<https://www.news-medical.net/health/Gestational-Diabetes-Pathophysiology.aspx> ▾

Nov 01, 2010 · The exact pathophysiology of **gestational diabetes** is unknown. One main aspect of the underlying pathology is insulin resistance, where the body's cells ...

User rating: 5/5

Author: Dr. Ananya Mandal, MD

Gestational Diabetes Mellitus: Mechanisms, Treatment, and ...

<https://www.sciencedirect.com/science/article/pii/S1043276018301656>

Longitudinal follow-up of 2527 offspring (mean age 54 years) born to parents in the Framingham Heart Study demonstrated the risk of T2DM was 3.5-fold **greater** for those with **diabetes** in one parent regardless of **gender**, and 6-fold **greater** in those with **diabetes** in both parents, compared with those without **parental diabetes**. However, the risk of T2DM in offspring of **mothers diagnosed with diabetes** aged ...

Cited by: 3

Author: Emma C. Johns, Fiona C. Denison, Ja...

Publish Year: 2018