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Name of Journal: *World Journal of Diabetes*

Manuscript NO: 68536

Manuscript Type: ORIGINAL ARTICLE

Retrospective Cohort Study

Utility of ³⁹oral glucose tolerance test in predicting type 2 diabetes following gestational diabetes: Towards personalized care

Bayoumi RAL *et al.* Utility of OGTT in predicting postpartum T2D

Riad Abdel Latif Bayoumi, Amar Hassan Khamis, Muna A Tahlak, Taghrid F Elgergawi, Deemah K Harb, Komal S Hazari, Widad A Abdelkareem, Aya O Issa, Rakeeb Choudhury, Mohamed Hassanein, Jeyaseelan Lakshmanan, Fatheya Alawadi

³Abstract

BACKGROUND

Women with gestational diabetes mellitus (GDM) are at a seven-fold higher risk of

61,400 Results

Any time

2. Classification and Diagnosis of ... - Diabetes Care

https://care.diabetesjournals.org/content/42/Supplement_1/S13

- 2.1 To avoid misdiagnosis or missed diagnosis, the A1C test should be performed ...
- 2.2 Marked discordance between measured A1C and plasma glucose levels should ...
- 2.3 In conditions associated with an altered relationship between A1C and ...
- 2.4 Plasma blood glucose rather than A1C should be used to diagnose the acute ...

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Prediction of gestational diabetes based on nationwide ...

<https://www.nature.com/articles/s41591-019-0724-8>

Jan 13, 2020 · The prevalence of GDM diagnosed by a two-step diagnostic **test**, comprising a **glucose** challenge **test** (GCT) and an **oral glucose tolerance test** (OGTT) at ...

Cited by: 57 **Author:** Nitzan Shalom Artzi, Smadar Shilo, Smadar...
Publish Year: 2020

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2. Classification and Diagnosis of Diabetes | Diabetes Care

https://care.diabetesjournals.org/content/39/Supplement_1/S13

Diabetes can be classified into the **following** general categories: 1. **Type 1 diabetes** (due to β -cell destruction, usually leading to absolute insulin deficiency) 2. **Type 2 diabetes** (due to a progressive loss of insulin secretion on the background of insulin resistance) 3. **Gestational diabetes** mellitus (GDM) (**diabetes** diagnosed in the second or third trimester of pregnancy that is not clearly ...

Estimated Reading Time: 10 mins

Personalized glucose forecasting for type 2 diabetes using ...

<https://journals.plos.org/ploscompbiol/article?id=10.1371/journal.pcbi.1005232>

Apr 27, 2017 · Author summary **Type 2 diabetes** is a devastating disease that requires constant patient self-management of **glucose**, insulin, nutrition and exercise. Nevertheless, **glucose** and insulin dynamics are complicated, nonstationary, nonlinear, and individual-dependent, making self-management of **diabetes** a complex task. To help alleviate some of the difficulty for patients, we develop a method for ...

Cited by: 62 **Author:** David J. Albers, Matthew E. Levine, Bruce J...
Publish Year: 2017

Using a Quantitative Measure of Diabetes Risk in Clinical ...

<https://clinical.diabetesjournals.org/content/31/2/82>

Apr 01, 2013 · The PreDx **test** is a multimarker blood **test** that can be used in primary **care** practices to help determine the 5-year likelihood of a patient progressing from prediabetes to **type 2 diabetes**. 9 Early detection of these highest-risk individuals may facilitate more effective patient management by enabling clinicians to focus health **care** resources earlier and to more effectively initiate and monitor **diabetes** ...

Cited by: 12 **Author:** Paul A. Rich, Charles F. Shaefer, Christophe...
Publish Year: 2013 **Estimated Reading Time:** 12 mins

Definition, Classification and Diagnosis of Diabetes ...

<https://guidelines.diabetes.ca/cpg/chapter3>

Key Messages. The chronic hyperglycemia of **diabetes** is associated with significant long-term microvascular and cardiovascular complications. A fasting plasma **glucose** of ≥ 7.0 mmol/L, a 2-hour plasma **glucose** value in a 75 g **oral glucose tolerance test** of ≥ 11.1 mmol/L or a glycated hemoglobin (A1C) of $\geq 6.5\%$ can **predict** the development of retinopathy.

A Global Overview of Precision Medicine in Type 2 Diabetes ...

<https://diabetes.diabetesjournals.org/content/67/10/1911>

How Precision **Diabetes** Medicine Might Work. The foundation of precision medicine in **type 2 diabetes**, like all other complex diseases, is population genetics, the catalyst for which was the sequencing of the human genome, a US\$3 billion initiative that completed its work in 2003 ().The availability of human genome sequences provided a framework that facilitated the design of massively parallel ...

type 2 diabetes glucose tolerance test 🐼yoga

<https://falvguwen.info/type-2-diabetes-glucose...>

Diabetes Care 2007 Mar; Similar reductions in the risks of retinopathy and nephropathy were also seen in a small trial of lean Japanese individuals with **type 2** DM randomized to either intensive glycemic control or standard therapy with insulin (Kumamoto study). These results demonstrate the effectiveness of improved glycemic control in individuals of different ethnicity and, presumably, a ...

The Leicester Risk Assessment score for detecting ...

<https://www.researchgate.net/publication/45284684...>

We developed logistic regression models for **predicting** current impaired **glucose** regulation (impaired fasting glycaemia/impaired **glucose tolerance**) or **Type 2 diabetes** mellitus using data from ...

Insulin secretion capacity in the development from glucose ...

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