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Conundrum of vitamin D on glucose and fuel homeostasis

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Vitamin D and its effects on glucose homeostasis ...

https://pubmed.ncbi.nlm.nih.gov/24776698

In recent years there has been increasing interest in the non-skeletal effects **of vitamin** D. It has been suggested that **vitamin** D deficiency may influence the development of diabetes, cardiovascular...

Cited by: 26 **Author:** N. El-Fakhri, H. McDevitt, M.G. Shaikh, ...
Publish Year: 2014

Effects of Vitamin D Supplementation on Glucose and ...

https://www.ncbi.nlm.nih.gov/pubmed/30627160

Dec 03, 2018 · Aims: Emerging evidence has suggested a mechanistic link from **vitamin** D metabolism to **glucose** and insulin **homeostasis**. This study is aimed at specifically quantifying the direct effects **o**...

Cited by: 11 **Author:** Huilin Tang, Deming Li, Yufeng Li, Xi Zhan...
Publish Year: 2018

PEOPLE ALSO ASK

What is the role of vitamin D in insulin?

What is the function of vitamin D in skeletal system?

What is responsible for maintaining blood glucose homeostasis?

How is insulin released in the blood?

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Serum Vitamin D Status, Vitamin D Receptor Polymorphism ...

https://www.ncbi.nlm.nih.gov/pubmed/29183090

Low **vitamin** D status has been frequently associated with impaired **glucose** metabolism. We examined associations between 25-hydroxyvitamin D (25-OH-D) and several parameters of **glucose homeostasis**...

Cited by: 5 **Author:** Otto Mayer, Jitka Seidlerová, Václava Čer...
Publish Year: 2018

Effect of high doses of vitamin D on arterial properties ...

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Vitamin D receptor gene polymorphisms and vitamin D interactions with the insulin like growth factor system may further influence glucose homeostasis. The ambiguity of optimal vitamin D dosing regimens and optimal therapeutic concentrations of serum 25(OH)D limit available intervention studies.

Author: Jessica A. Alvarez, Ambika Ashraf

Cited by: 438

Publish Year: 2010

Role of vitamin d in insulin secretion and insulin ...

pubmed.ncbi.nlm.nih.gov/20011094/

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How are insulin and glucagon produced in the body?

How is glucose converted to other forms of energy?

Why does the brain need glucose and fat?

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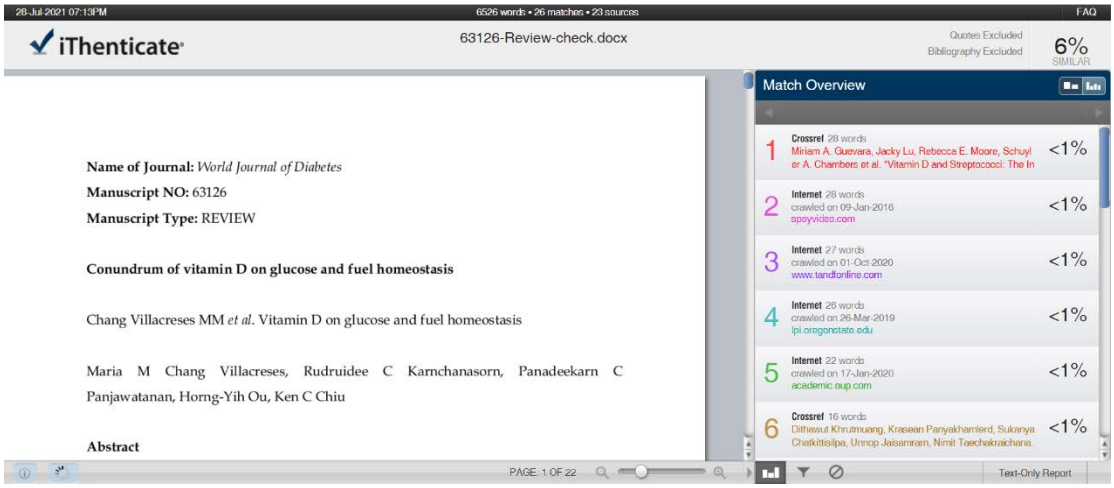

Name of Journal: *World Journal of Diabetes*
Manuscript NO: 63126
Manuscript Type: REVIEW

Conundrum of vitamin D on glucose and fuel homeostasis

Chang Villacreses MM *et al*. Vitamin D on glucose and fuel homeostasis

Maria M Chang Villacreses, Rudruidee C Karnchanasorn, Panadeekarn C Panjawatanan, Horng-Yih Ou, Ken C Chiu

Abstract

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Conundrum of vitamin D on glucose and fuel homeostasis

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Vitamin D receptor gene polymorphisms and vitamin D interactions with the insulin like growth factor system may further influence glucose homeostasis. The ambiguity of optimal vitamin D dosing regimens and optimal therapeutic concentrations of serum 25(OH)D limit available intervention studies.

Author: Jessica A. Alvarez, Ambika Ashraf

Cited by: 440

Publish Year: 2010

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pubmed.ncbi.nlm.nih.gov/20011094/

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Vitamin D and its effects on glucose homeostasis ...
https://pubmed.ncbi.nlm.nih.gov/24776698

It has been suggested that **vitamin** D deficiency may influence the development of diabetes, cardiovascular dysfunction and autoimmune diseases. This review focuses on the current knowledge of the effects **of vitamin** D and its deficiency on cardiovascular function, **glucose homeostasis** and immune function, with a particular focus on children ...

Cited by: 30 **Author:** N. El-Fakhri, H. McDevitt, M.G. Shaikh, ...
Publish Year: 2014