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Name of Journal: *World Journal of Diabetes*

Manuscript NO: 62585

Manuscript Type: MINIREVIEWS

Obesity, metabolic health and omics: Current status and future directions

Metabolically healthy obesity and omics

Abstract

The growing obesity epidemic is becoming a major public health concern, and the associated costs represent a considerable burden on societies. Among the most common complications of severe obesity are the development of hypertension, dyslipidemia, type 2 diabetes, cardiovascular disease (CVD), and various types of cancer. Interestingly, some obese individuals have a favorable metabolic profile and appear to be somehow protected from the detrimental effects of excessive adipose tissue accumulation. These individuals remain normoglycemic, insulin sensitive, and



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The changes in **obesity** and **metabolic health status** were defined from baseline to the second resurvey with combination of overweight and **obesity**. Among the 458,246 participants with complete information and no history of CVD and cancer, the mean age at baseline was 50.9 (SD 10.4) years, and 40.8% were men, and 29.0% were **current** smokers.

Author: Meng Gao, Jun Lv, Canqing Yu, Yu Gu... Publish Year: 2020

[Vitamin D and obesity: current perspectives and future ...](https://pubmed.ncbi.nlm.nih.gov/25359323)

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Vitamin D and **obesity: current perspectives and future directions** Proc Nutr Soc. 2015 ... < 25-30 nmol/l) and sub-optimal status (25(OH)D < 50-100 nmol/l) are increasingly associated with unfavourable **metabolic** phenotypes, including insulin resistance, type 2 diabetes and CVD; conditions also commonly linked with overweight and **obesity** ...

Cited by: 149

Author: L. Kirsty Pourshahidi

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The major focus of the journal is to bring awareness in the scientific community about all the recent developments and technological advancements in the diagnosis, management and even prevention of **obesity** which is a **metabolic** anomaly that is characterized by fat content accumulation in the body as a result of poor metabolism.

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Author: Meng Gao, Jun Lv, Canqing Yu, Yu Guo, ... **Publish Year:** 2020

Vitamin D and obesity: current perspectives and future ...

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Vitamin D deficiency (25-hydroxyvitamin D (25 (OH)D) < 25-30 nmol/l) and sub-optimal **status** (25 (OH)D < 50-100 nmol/l) are increasingly associated with unfavourable **metabolic** phenotypes, including insulin resistance, type 2 diabetes and CVD; conditions also commonly linked with overweight and **obesity**. Early studies reported poor vitamin D **status** in the morbidly obese.

Cited by: 154 **Author:** L. Kirsty Pourshahidi
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[PDF] OMICS Strategy Discoveries to Obesity in the Prevention ...

<https://touro scholar.touro.edu/cgi/viewcontent.cgi?...>

food control for **health** brain reward strategies and the personalized approaches for the prevention and management of diabetes mellitus, stroke and CVD in public **health**. References. 1. Mechanisms of...

Author: Hong-Duck Kim, M L Carpenter, Diane E... **Publish Year:** 2016

Introduction to the Obesity, Metabolic Syndrome, and CVD ...

<https://www.ahajournals.org/doi/10.1161/CIRCRESAHA.120.317240>

Obesity is a major threat to cardiovascular **health** worldwide. Although early studies focused on body mass index as a generalized measure of **obesity** and its relation to cardiovascular disease (CVD), studie...

Cited by: 3 **Author:** Kathryn J. Moore, Ravi Shah

Publish Year: 2020

Obesity and overweight - World Health Organization

<https://www.who.int/news-room/fact-sheets/detail/obesity-and-overweight> ▾

Apr 01, 2020 · What are **obesity** and overweight. Overweight and **obesity** are defined as abnormal or excessive fat accumulation that may impair **health**. Body mass index (BMI) is a simple index of weight...