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Author: Shili Zhang, Yulan Cai, Chuzhen Men... Publish Year: 2021

Impact of gut microbiota on diabetes mellitus - ScienceDirect

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Nov 01, 2016 · A healthy gut microbiome is characterized by the presence of microbes that enhance metabolism, and are resilient to infection and inflammation and resistant to autoimmunity and cancer [5]. Increasing evidence indicates that gut microbiota are strongly associated with diabetes development [6].

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Name of Journal: *World Journal of Diabetes*

Manuscript NO: 65031

Manuscript Type: REVIEW

Holistic perspective of the role of gut microbes in diabetes mellitus and its management

Alagiakrishnan K *et al.* Gut microbiota in DM

Kannayiram Alagiakrishnan, Tyler Halverson

Abstract

The gut microbiota (GM) plays a role in the development and progression of type 1 and type 2 diabetes mellitus (DM) and its complications. Gut dysbiosis contributes to the pathogenesis of DM. The GM has been shown to influence the efficacy of different

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Role of Gut Microbiota in Type 2 Diabetes Mellitus and Its ...

<https://www.semanticscholar.org/paper/Role-of-Gut-Microbiota-in-Type-2-Diabetes...>

The human intestine harbors hundreds of trillions of **bacteria**, as well as bacteriophage particles, viruses, fungi, and archaea, which constitute a complex and dynamic ecosystem referred to as the **gut** microbiota. Increasing evidence has indicated changes in the **gut** microbiota composition or function in type 2 diabetic patients.

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the **gut** environment, host metabolism and **diabetes** pathogenesis. We hope that with this improved understanding we would be able to provide exciting novel therapeutic approaches to engineer an ideal **gut** ecosystem for optimal health. **DIABETES Diabetes mellitus**, also generally referred to as **diabetes**, is

...

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Author: Wanping Aw, Shinji Fukuda

Publish Year: 2018

Understanding the role of the gut ecosystem in Diabetes ...

<https://www.researchgate.net/publication/315832772...>

Diabetes mellitus is a type of metabolic disorder whereby patients are unable to regulate. glycemia. It is currently a worldwide public health issue, and is a burden to society. because of its ...

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[PDF] Gut microbiota and immunopathogenesis of diabetes ...

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defined as the overall bacterial genome, **gut** microbes have attracted increasing attention in the pathogenesis of DM. Many studies have found that **gut** microbes are involved in the