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

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Name of Journal: *World Journal of Diabetes*

Manuscript NO: 65031

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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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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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Publish Year: 2018

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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