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Apr 28, 2020 · Dysbiosis in disease states. Gastroesophageal reflux disease: It is well recognized that GERD is an inflammatory disease state affecting the lower esophagus related to inappropriate transient relaxation or chronic hypotensivity, of the lower esophageal sphincter. Retrograde reflux of gastric acid with or without bile causes symptoms and inflammatory changes associated with GERD [10].

Author: Steve M D'Souza, Lindsey B Cundra, ... Publish Year: 2020

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in 2020 [4]. Changes in understanding of the pathogenesis of the esophageal disease have contributed to the development of new possible therapeutic options. There has been a recent meteoric rise in the literature demonstrating the significance of the gut microbiome and dysbiosis (defined as microbial imbalance or maladaptation).

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Eosinophilic esophagitis (EoE) is a chronic, food-triggered, immune-mediated disease of the oesophagus, clinically characterized by symptoms referred to oesophageal dysfunction, and histologically defined by an eosinophil productive inflammation of the oesophageal mucosa, among other cell types. The involvement of an adaptive Th2-type response to food antigens in EoE was known since 2000 ...



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Are there significant microbial dysbiosis in IM and GC? ▾

Which is histological stage of gastric tumourigenesis? ▾

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Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 63458

Manuscript Type: EVIDENCE REVIEW

Role of microbial dysbiosis in the pathogenesis of esophageal mucosal disease: A paradigm shift from acid to bacteria?

Microbial Dysbiosis and Esophageal Disease

Abstract

Genomic sequencing, bioinformatics, and initial speciation (e.g., relative abundance) of the commensal microbiome have revolutionized the way we think about the "human" body in health and disease. The interactions between the gut bacteria and the immune system of the host play a key role in the pathogenesis of gastrointestinal (GI) diseases, including those impacting the esophagus. Although relatively stable, there are a number of factors that may disrupt the delicate balance between the luminal esophageal microbiome (EM) and the host. These changes are thought to be a product of age, diet,

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Is the gut microbiome involved in disease mechanisms? ▾

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[PDF] The esophageal microbiota in health and disease

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Author: Vincenzo Di Pilato, Giancarlo Freschi, M...

Publish Year: 2016

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