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### Microbiome and Gastroesophageal Disease: Pathogenesis ...

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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

### [PDF] Microbiome and Gastroesophageal Disease: ...

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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 (deined as microbial imbalance or maladaptation),

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Using broad-range 16S rDNA PCR, esophageal biopsies were examined from 24 patients [9 with normal esophageal mucosa, 12 with gastroesophageal reflux disease (GERD), and 3 with Barrettos esophagus].

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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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How are metabolites affected by gut microbiota dysbiosis? ▾

Is the gut microbiome involved in disease mechanisms? ▾

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Why is it important to understand the gastric microbiome? ▾

Feedback

## [PDF] The esophageal microbiota in health and disease

<https://nyaspubs.onlinelibrary.wiley.com/doi/pdf/10.1111/nyas.13127>

The esophageal mucosa is among the sites colonized by human microbiota, the complex microbial ecosystem that ... successful and has definitively confirmed the role of dysbiosis in the pathogenesis of CDI.16–18 An ... Di Pilato et al. Esophageal microbiota and disease Table 1.

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

Publish Year: 2016

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