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**Name of Journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 66355

**Manuscript Type:** REVIEW

**Gut microbiome in acute pancreatitis: A review based on current literature**

Bharati Kadamb Patel, Kadamb H Patel, Madhav Bhatia, Shridhar Ganpati Iyer,  
Krishnakumar Madhavan, Shabbir M Moochhala

### Abstract

The gut microbiome is a complex microbial community, recognized for its potential role in physiology, health, and disease. The available evidence supports the role of gut dysbiosis in pancreatic disorders, including acute pancreatitis (AP). In AP, the presence

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## The Gut Microbiota and Inflammation: An Overview

<https://pubmed.ncbi.nlm.nih.gov/33086688>

Based on the **current literature**, it appears that as the **gut microbiota** composition differs between individuals and is contingent on a variety of factors like diet and genetics, some individuals may possess bacteria associated with pro-inflammatory effects whilst others may harbour those with anti-inflammatory effects.

**Cited by:** 6**Author:** Zahraa Al Bander, Marloes Dekker Ni...**Publish Year:** 2020

## Microbiome changes associated with acute and chronic ...

<https://www.sciencedirect.com/science/article/pii/S1424390320308735>

Jan 01, 2021 · The primary etiology of pancreatitis was gallstones in 9/15 A P studies and was unidentified in 6/7 C P studies. 5/15 (33%) AP studies analyzed the blood **microbiome** and the remaining 10/15 (67%) analyzed the **gut microbiome** (8 used fecal samples, 1 used saliva, and 1 used a duodenal aspirate). 7/7 (100%) CP studies analyzed the **gut microbiome** (4 used fecal ...

**Author:** L. Brubaker, S. Luu, KI Hoffman, A...**Publish Year:** 2021

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Are there any microorganisms in the pancreas? ▾

Are there any studies on the enteral microbiome? ▾

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## Microbiota in pancreatic health and disease: the next ...

<https://pubmed.ncbi.nlm.nih.gov/31811279>

A novel area of research suggests that pancreatic-specific disorders might be modulated by the **gut microbiota**, either through a local (direct pancreatic influence) or in a remote



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Cited by: 31

Author: Ryan M Thomas, Christian Jobin

Publish Year: 2020

## [Enteral nutrition in acute pancreatitis: A review of the ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4239498)

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Enteral nutrition in acute pancreatitis: A review of the ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4239498>

Nov 21, 2014 · A systematic review was carried out to analyse current data on the use of **enteral nutrition** in the management of **acute pancreatitis**. Relevant literature was analysed from the viewpoints of enter...

Cited by: 68 Author: Attila Oláh, Laszlo Romics  
Publish Year: 2014

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- How are pancreatic disorders modulated by the gut microbiota? ▾
- Are there any studies on the enteral microbiome? ▾
- How is the gut microbiota used in clinical practice? ▾
- Are there any studies on the gut microbiome and depression? ▾

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The Gut Microbiota and Inflammation: An Overview

<https://pubmed.ncbi.nlm.nih.gov/33086688>

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