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COVID-19-associated diarrhea

Diarrhea in COVID-19

Abstract

Severe acute respiratory syndrome-coronavirus-2 (SARS-CoV-2) recently emerged as a highly virulent respiratory pathogen that is known as the causative agent of Coronavirus Disease 2019 (COVID-19). Diarrhea is a common early symptom in a significant proportion of patients with SARS-CoV-2 infection. SARS-CoV-2 can infect and replicate in esophageal cells and enterocytes, leading to direct damage to the intestinal epithelium. The infection decreases the level of angiotensin-converting enzyme 2 receptors, thereby altering the composition of the gut microbiota. SARS-CoV-2 elicits a cytokine storm, which contributes to gastrointestinal inflammation. The direct

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[Can coronavirus cause diarrhea? - Medical News Today](#)

<https://www.medicalnewstoday.com/articles/coronavirus-and-diarrhea> ▾

Oct 27, 2020 - Diarrhea can be a symptom of COVID-19, but it is not usually a cause for concern if it occurs on its own. A person experiencing mild symptoms can stay at home and treat their diarrhea ...

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A systematic review of 83 studies showed that diarrhea (odds ratio 1.50, 95% CI 1.10–2.03; $p = 0.01$) was observed more often in patients with severe COVID-19 compared with patients with non-severe COVID-19 .

[Diarrhea May Be First or Only Coronavirus Symptom in ...](#)

<https://www.newsweek.com/diarrhea-coronavirus...> ▾

Apr 02, 2020 - Diarrhea may be the first or only symptom some COVID-19 patients experience, according to the authors of a study.. The study, published in ...

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The associated **diarrhea** in these patients **upsets the balance of intestinal flora**, resulting in more-severe **disease** intensity and worse prognosis. Clinicians should be vigilant to this kind of COVID-19-associated diarrhea, and design more effective prevention and treatment options for patients with positive fecal nucleic acid tests and intestinal microflora disorders.

Cited by: 4**Author:** Fantao Wang, Shiliang Zheng, Chengbin Zh...**Publish Year:** 2020

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Serotonin is elevated in COVID-19-associated diarrhoea | Gut

<https://gut.bmj.com/content/early/2021/01/04/gutjnl-2020-323542> ▾

Jan 04, 2021 - We read with great interest the recent publication by Lin et al, 1 which reported **diarrhoea** as the most common GI symptom in patients with COVID-19. **Diarrhoea** as a symptom of COVID-19 has been commonly observed, 2 3 but the cause remains unknown.

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Author: Seeun Ha, Byungchang Jin, Brooke Clemm...

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