

## “ **COVID-19 and Intestinal Disease: Mechanisms and Implications for Practice** ”



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**About this seminar:** GI symptoms are common in patients with COVID-19 and SARS-CoV-2 viral RNA is detectable in the stool. We will explore data that shape our current understanding of how SARS-CoV-2 interacts with GI tract as well as pre-existing luminal GI disease. Finally, we will review a novel model of intestinal SARS-CoV-2 infection that can be used to study GI COVID-19 and consider the hypothesis that GI infection may potentiate the possibility for long haul COVID-19.

### References:

1. Zang R., Ciorba M. A., et al. **Tmprss2 and Tmprss4 Promote Sars-Cov-2 Infection of Human Small Intestinal Enterocytes.** Science immunology. 2020;5(47):eabc3582.
2. Deepak P., Ciorba M. A., et al. **Effect of Immunosuppression on the Immunogenicity of Mrna Vaccines to Sars-Cov-2 : A Prospective Cohort Study.** Ann Intern Med. 2021;2021 Aug 31:M21-1757.
3. Alvarado D. M., Ciorba M. A., et al. **Mesalamine Reduces Intestinal Ace2 Expression without Modifying Sars-Cov-2 Infection or Disease Severity in Mice.** bioRxiv. 2021;Aug 2:2021.07.23.453393.

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<https://tinyurl.com/y5rd2uut>

Meeting ID: 951 0349 9512  
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