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**Manuscript NO:** 61479

**Manuscript Type:** MINIREVIEWS

**Interaction between HBV and SARS-CoV-2 infections**

Xiang TD *et al.* HBV and SARS-CoV-2 co-infection

### Abstract

Coronavirus disease 2019 (COVID-19) has become a global pandemic and garnered international attention. The causative pathogen of COVID-19 is severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), a novel, highly contagious coronavirus. Numerous studies have reported that liver injury is quite common in patients with COVID-19. Hepatitis B has a worldwide distribution as well as in China. At present, hepatitis B virus (HBV) remains a leading cause of cirrhosis, liver failure, and hepatocellular carcinoma (HCC). Since both viruses challenge liver physiology, it raises

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Interaction between HBV and SARS-CoV-2 infections



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## Effect of SARS-CoV-2 coinfection was not apparent on the ...

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The association of **HBV- and SARS-CoV-2-related** markers were analyzed. During the acute course of **SARS-CoV-2 infection**, markers of **HBV** replication did not extensively fluctuate during **SARS-CoV-2 infection**. Coinfection with **HBV** did not extend the viral shedding cycle or incubation periods of **SARS-CoV-2**. **Effects of SARS-CoV-2** on the dynamics of chronic **HBV infection** seemed not apparent. SARS ...

**Author:** Rentao Yu, Shun Tan, Yunjie Dan, Yanqi...**Publish Year:** 2021

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Taken together, we found no evidence that **SARS-CoV-2/HBV co-infection** could aggravate liver injury or extend duration of hospitalization. Keywords: **COVID-19**; **Hepatitis B Virus**; Liver function; **SARS-CoV-2**.

**Cited by:** 4**Author:** Liping Chen, Shaoping Huang, Jingmao Ya...**Publish Year:** 2020

## [PDF] SARS-CoV-2 and the Liver: Considerations in Hepatitis B ...

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Association found between HBV infection and prolonged SARS-CoV-2 clearance Richardson et al. 8 Case series of hospitalized patients with COVID-19 in 12 hospitals in the New York City metro area • 0.1% (8/5700) of patients were HBV infected Guan et al. 9 Retrospective multicenter analysis of hospitalized patients with COVID-19 in China •

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Publish Year: 2020

AUTHORS	INFECTION	STUDY CHARACTER...	OBSERVATIONS
Chen et al.10	HBV	Retrospective analysi...	12.2% (15/123) of patients were HBV infec...
Zha et al.11	HBV	Observational study in...	6.5% (2/31) of patients were HBV infecte...
Richardson et al.8	HBV	Case series of hospita...	0.1% (8/5700) of patients were HBV infected
Guan et al.9	HBV	Retrospective multice...	2.1% (23/1099) of patients were HBV infe...

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## Clinical characteristics in patients with SARS-CoV-2/HBV ...

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There were also no significant differences for the discharge rate and the length of stay between two groups. Taken together, we found **no evidence** that SARS-CoV-2/HBV co-infection could aggravate liver injury or extend duration of hospitalization.

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Author: Liping Chen, Shaoping Huang, Jingmao Y...

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## Coronavirus (COVID-19, SARS-CoV-2) and viral hepatitis ...

<https://www.worldhepatitisalliance.org/latest-news/...> ▾

At this stage there is no evidence to suggest people living with **hepatitis B** or **hepatitis C**, who are well are at greater risk of **infection** with COVID-19. However, current information suggests some people living with **hepatitis B** and **hepatitis C** who also have other conditions such as hypertension, cardiovascular disease and diabetes will likely ...

## SARS-associated viral hepatitis caused by a novel ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.20111>

Jan 30, 2004 · Common causes of **hepatitis** were excluded by serologic tests, including anti-**hepatitis A**

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