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Review Article: LIVER INJURY IN COVID-19: THE HEPATIC ASPECT OF THE RESPIRATORY SYNDROME- WHAT WE KNOW SO FAR

Liver Injury in COVID-19

Abstract

The 2019 novel coronavirus disease (COVID-19) pandemic due to severe acute respiratory syndrome coronavirus 2 (SARS-Cov-2) has posed a serious threat to global public health. Although primarily, the infection causes lung injury, liver enzyme abnormalities have also been reported to occur during the course of the disease. We conducted an extensive literature review using the PubMed database on articles covering a broad range of issues related to COVID-19 and hepatic injury. The present review summarizes available information on the spectrum of liver involvement, the

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In December, 2019, an outbreak of a novel coronavirus (severe acute **respiratory syndrome** coronavirus 2 [SARS-CoV-2], previously 2019-nCoV) started in Wuhan, China, and has since become a global threat to human health. The number of confirmed cases of 2019 coronavirus disease (**COVID-19**) has reached 87 137 worldwide as of March 1, 2020, according to WHO **COVID-19** ...

Cited by: 482

Author: Chao Zhang, Lei Shi, Fu-Sheng Wang

Publish Year: 2020

(PDF) Liver injury in COVID-19: The current evidence

https://www.researchgate.net/publication/341653253_Liver_injury_in_COVID-19_The...

Males were more likely to have **liver injury** when infected with **COVID-19** ($p < 0.05$); Compared to patients without **liver injury**, patients with **liver injury** had increased levels of white blood cell ...

COVID-19 and the liver - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S0168827820303779>

Jun 15, 2020 · **COVID-19** and **hepatic** dysfunction. It is intriguing to **know** the pattern of **liver injury** in **COVID-19**. **Hepatic** involvement in **COVID-19** could be related to the direct cytopathic effect of the virus, an uncontrolled immune reaction, sepsis or drug-induced **liver injury**.

Cited by: 9

Author: Dinesh Jothimani, Radhika Venugopal, ...

Publish Year: 2020

Liver injury during highly pathogenic human coronavirus ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/liv.14435>

Mar 14, 2020 · Recent studies on **COVID-19** have shown that the incidence of **liver injury** ranged from 14.8% to 53%, mainly indicated by abnormal ALT/AST levels accompanied by slightly elevated



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Cited by: 543

Author: Chao Zhang, Lei Shi, Fu-Sheng Wang

Publish Year: 2020

The liver in times of COVID-19: What hepatologists should know

<https://www.sciencedirect.com/science/article/pii/S1665268120300430>

Jul 01, 2020 · In this **article**, we **review** current data on how **COVID-19** may affect the **liver** in patients with and without previous **liver** disease and how a pre-existing **liver** disease may affect **COVID-19** outcomes.

We aim to provide clinical hepatologists with updated information to face this pandemic in daily practice.

2. General considerations

Cited by: 6

Author: Ezequiel Ridruejo, Alejandro Soza

Publish Year: 2020

(PDF) Liver injury in COVID-19: The current evidence

<https://www.researchgate.net/publication/341653253...>

Males were more likely to have **liver injury** when infected with **COVID-19** ($p < 0.05$); Compared to patients without **liver injury**, patients with **liver injury** had increased levels of white blood cell ...

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Cited by: 608**Author:** Chao Zhang, Lei Shi, Fu-Sheng Wang**Publish Year:** 2020

[COVID-19 and the liver - ScienceDirect](https://www.sciencedirect.com/science/article/pii/S0168827820303779)

<https://www.sciencedirect.com/science/article/pii/S0168827820303779>

Nov 01, 2020 · In a recent report by Chen et al., 13 (5%) patients with **COVID-19** developed acute **liver injury** during the course of the illness of whom 10 (76.9%) died. 26 Although the numbers are small, this conveys an important message on patients with **COVID-19** and **hepatic** dysfunction.

Cited by: 18**Author:** Dinesh Jothimani, Radhika Venugopal, Mo...**Publish Year:** 2020

[What to Know About Liver Disease and COVID-19 | CDC](https://www.cdc.gov/.../liver-disease.html)

<https://www.cdc.gov/.../liver-disease.html> ▾

Feb 11, 2020 · Coronavirus disease 2019 (**COVID-19**) is the illness caused by the SARS-CoV-2 virus. Older adults and people of any age who have serious underlying medical conditions, including people with **liver** disease, might be at higher risk for severe illness from **COVID-19**. People with chronic **liver** disease, including hepatitis B and hepatitis C, may have concerns and questions related to their risk.

[\(PDF\) Liver injury in COVID-19: The current evidence](https://www.researchgate.net/publication/341653253...)

<https://www.researchgate.net/publication/341653253...>

In the context of **COVID-19**, clinicians will have to determine whether **liver injury** is related to an underlying **liver** disease, drugs used for the treatment of **COVID-19**, direct effect of the virus ...

[\[PDF\] Long-Term Sequelae and COVID-19 – What We Know So Far](https://www.publichealthontario.ca/-/media/...)

<https://www.publichealthontario.ca/-/media/...>