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COVID-19 in a liver transplant recipient: Could iatrogenic immunosuppression have prevented severe pneumonia? A case report

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### Abstract

#### BACKGROUND

Coronavirus disease (COVID) is a new and highly contagious infectious disease caused by the coronavirus (COVID-19 or severe acute respiratory syndrome coronavirus 2). There is limited data regarding the incidence and management of COVID-19 in immunocompromised patients' post-transplantation. In the pre-COVID-19 era, these patients were already at an increased risk of developing opportunistic infections. These often manifested with atypical symptoms.

#### CASE SUMMARY

We report another case of uneventful COVID-19 pneumonia in a 58-year old male who

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Case report of COVID-19 in a liver transplant recipient:



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## Case report of COVID-19 in a kidney transplant recipient ...

<https://onlinelibrary.wiley.com/doi/10.1111/ajt.15874>

Mar 20, 2020 · Furthermore, the fact that our patient did not **have** any epidemiologic risk factor for **COVID-19** infection, made the diagnostic suspicion even more difficult. In conclusion, this is a **case report of COVID-19** in a solid organ **transplant recipient**, and it reminds us that immunocompromised patients may present with atypical clinical manifestations.

## Successful treatment of severe COVID-19 pneumonia in a ...

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ajt.15901>

Clinical data on **COVID-19** infection in **transplant** population is very limited. Herein we presented the clinical course and outcome of a 50-year-old male post **liver transplantation** who contracted **COVID-19**, with subsequent infection of his wife. The process of illness was representative.

## Case report of COVID-19 in a kidney transplant recipient ...

[https://www.researchgate.net/publication/340079291\\_Case\\_report\\_of\\_COVID-19\\_in\\_a\\_kidney...](https://www.researchgate.net/publication/340079291_Case_report_of_COVID-19_in_a_kidney...)

**Covid-19** is considered as potentially having a more **severe** course in solid-organ **transplant recipients**, due to the chronic **immunosuppression** these ...

## [PDF] Perioperative Presentation of COVID-19 Disease in a Liver ...

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Here, we **report** the **case** of a patient with hepatocellular carcinoma (HCC) who underwent **liver transplantation** and experienced **COVID-19** infection during the perioperative period. This **case** may help clinicians by alerting them to potential **COVID-19** infection in **transplant recipients** during the outbreak. **Case report** A 37-year-old man diagnosed ...

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<https://onlinelibrary.wiley.com/doi/full/10.1111/tid.13417>

Jul 15, 2020 · **Liver transplant (LT) recipients** are considered at a particularly high risk for developing critical **COVID-19** infection. To date, available data are heterogeneous and scarce and mortality in LT **recipients** seems to be higher compared to normal population, but whether this is caused by altered immunological status, **immunosuppression (IS)**, or underlying comorbidities has not yet been fully ...

**Author:** Alessandro Parente, Tommaso Maria M... **Publish Year:** 2020

## COVID-19 in long-term liver transplant patients ...

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Coronavirus disease 2019 (**COVID-19**) is a public health emergency and a pandemic of international concern.<sup>1</sup> Italy has witnessed, in the past month, an unexpectedly high rate of infection, with more than 100 000 patients testing positive for severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and a case-fatality rate close to 10% (as of March 31, 2020)<sup>2</sup> and therefore faces a worse ...

**Cited by:** 111 **Author:** Sherrie Bhoori, Roberta Elisa Rossi, Davide ...

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## (PDF) COVID 19 in liver transplant - ResearchGate

[https://www.researchgate.net/publication/343099778\\_COVID\\_19\\_in\\_liver\\_transplant](https://www.researchgate.net/publication/343099778_COVID_19_in_liver_transplant)

Herein we report a case of a **COVID-19** infection in a solid organ **transplant recipient**, in which the first clinical symptoms were of gastrointestinal viral disease and fever, which further ...

## Case report of COVID-19 in a kidney transplant recipient ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/ajt.15874>

Mar 20, 2020 · Solid organ **transplant (SOT) recipients** are under chronic **immunosuppression**, and respiratory infections may present atypically, often with two or more infectious processes presenting simultaneously.<sup>3</sup> There have been currently only a couple of reports of **COVID-19** among SOT **recipients**. Hence, in such a high risk population, a strong clinical ...

**Cited by:** 123 **Author:** Elena Guillen, Gaston Julio Pineiro, Ignacio ...

**Publish Year:** 2020

## [PDF] Clinical course of COVID-19 in a liver transplant ...

<https://onlinelibrary.wiley.com/doi/epdf/10.1111/ajt.15985>

illness. While **transplant immunosuppression** might impair control of viral infection, discontinuation of **immunosuppression** could be associated with an exacerbation of inflammatory responses to viral infection.<sup>5</sup> We report the clinical course and management of a **liver transplant recipient** with confirmed **COVID-19** infection who had a marked response to



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Coronavirus disease 2019 (**COVID-19**) is a public health emergency and a pandemic of international concern.<sup>1</sup> Italy has witnessed, in the past month, an unexpectedly high rate of infection, with more than 100 000 patients testing positive for **severe** acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and **a case**-fatality rate close to 10% (as of March 31, 2020)<sup>2</sup> and therefore faces a worse ...

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## [Full text] COVID-19 in Liver Transplant Patients: Report ...

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Coronavirus 2019 (**COVID-19**) is caused by a novel coronavirus. <sup>1,2</sup> Clinical presentation and management of **liver** injury in patients with **COVID-19** in **liver transplantation** is unclear and may be an increasing challenge for the **transplant** centers. <sup>3,4</sup> In this **report**, we **have** described 2 **liver transplant** cases with **COVID-19**.

**Author:** Ramin Niknam, Seyed Ali Malek-Hoss... **Publish Year:** 2020

## COVID-19, liver transplant, and immunosuppression: Allies ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/tid.13417>

Jul 15, 2020 · **Liver transplant** (LT) **recipients** are considered at a particularly high risk for developing critical **COVID-19** infection. To date, available data are heterogeneous and scarce and mortality in LT **recipients** seems to be higher compared to normal population, but whether this is caused by altered immunological status, **immunosuppression** (IS), or underlying comorbidities has not yet been fully ...

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**Publish Year:** 2020

## (PDF) COVID 19 in liver transplant - ResearchGate

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