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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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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 ...

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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.

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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

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Coronavirus disease 2019 (COVID-19) is a public health emergency and a pandemic of international concern.¹ 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)² and therefore faces a worse ...

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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 ...

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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.³ 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 ...

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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.⁵ 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 2019 (**COVID-19**) is caused by a novel coronavirus. ^{1,2} 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. ^{3,4}. In this **report**, we **have** described 2 **liver transplant** cases with **COVID-19**.

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

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