


## COVID-19-induced acute kidney injury and chronic kidney disease: comment

Lesão renal aguda induzida por COVID-19 e doença renal crônica: comentário

### Authors

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Dear Editor,

We would like to comment on the article entitled “Differences between COVID-19-induced acute kidney injury and chronic kidney disease patients”<sup>1</sup>. According to Aroca-Martínez et al.<sup>1</sup>, AKI-NRF patients had considerably higher mortality rates, higher need for invasive ventilation, and higher D-dimer levels. We both agree that COVID-19 may result in kidney issues. At the same time, we should be aware that the patient’s renal condition may have been compromised before COVID-19, and that COVID-19 itself may have exacerbated the condition. The pre-COVID-19 data are not available in the current study, and clinical history alone is insufficient to exclude pre-COVID-19 issues. Additionally, it’s possible that the patient already has COVID-19, a disease that is both common and underdiagnosed<sup>2</sup>. To reach a definitive conclusion, a future study based on participants with known pre-COVID-19 health, immunological,

and renal laboratory-confirmed data and a specific work-up to rule out previous asymptomatic COVID-19 may be helpful.

### AUTHORS’ CONTRIBUTION

RM conceptualization, validation, writing – original draft. VW conceptualization, supervision, visualization.

### CONFLICT OF INTEREST

None.

### REFERENCES

1. Aroca-Martínez G, Musso CG, Avendaño-Echavez L, Vélez-Verbel M, Chartouni-Narvaez S, Hernandez S, et al. Differences between COVID-19-induced acute kidney injury and chronic kidney disease patients. *J Bras Nefrol.* 2022;44(2):155-63. doi: <http://dx.doi.org/10.1590/2175-8239-jbn-2021-0161>. PubMed PMID: 35258071.
2. Joob B, Wiwanitkit V. Letter to the Editor: Coronavirus Disease 2019 (COVID-19), infectivity, and the incubation period. *J Prev Med Public Health.* 2020;53(2):70. doi: <http://dx.doi.org/10.3961/jpmph.20.065>. PubMed PMID: 32268458.

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