

PEER-REVIEW REPORT

Name of journal: World Journal of Nephrology

Manuscript NO: 59815

Title: Case Report of two siblings with COVID-19 infection and opposite outcome: The Hemodialysis's better outcome paradox

Reviewer's code: 00733674

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Slovenia

Author's Country/Territory: Greece

Manuscript submission date: 2020-10-01

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-10-19 13:49

Reviewer performed review: 2020-10-24 16:50

Review time: 5 Days and 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The authors present two siblings, infected with COVID-19, in whom the outcome was the opposite of what was expected. While the cases(s) presented are interesting by itself, the manuscript is not written very clearly/fluently. Remarks: - core tip: "if they are somehow "protected" from the infection ", since dialysis patients are not protected from the infection itself, this should be changed to something like ""protected" from the severe forms of infection" -introduction: "These patients suffer from intense pro-inflammation, where hyper-cytokinemias predominate (3)" - although this was a theory in initial phases of epidemic, it is now becoming clear, that cytokine levels are only mildly elevated (see doi: 10.1001/jama.2020.17052). Also the levels in ref 3 are <100, usually levels >100-500 are considered for cytokine removal therapy. Please revise. - authors talk about "cytokine storm" in one of the patients, but no IL-6 was measured. Perhaps this could be changed to "severe form of disease" or MOF or at least "presumed cytokine storm" -discussion: it should be shortened (a total 2000 W for a case report is too much). Please only discuss findings that are important for the specific (two) cases. - discussion: When references are quoted, too much unnecessary details are given - please just cite the main result/argument from the cited study, without full description of all findings. - discussion: "immunoabsorption with specialized filters" - this fact should already be given in the case report. I suggest the exact device and company (Oxiris?) is given. Also this is usually not considered "immunoabsorption", which refers to specialised apheresis procedures. - could the authors stress the factors in either of siblings that were identified as negative prognostic signs? (older age, obesity, dialysis dependence, ...) This would make comparison more straightforward -reference 8 - this is a preprint (article, that is not yet peer reviewed) - I would suggest the citation of an already published article, e.g. PMID: 33062496 or 32924707

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Slovenia

Author's Country/Territory: Greece

Manuscript submission date: 2020-10-01

Reviewer chosen by: Chen-Chen Gao

Reviewer accepted review: 2020-12-07 05:04

Reviewer performed review: 2020-12-07 16:33

Review time: 11 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The case report was greatly improved and reads much more fluently. the Figure 1 is referenced but is missing (either it was omitted and should be deleted from the text, or it should be uploaded with the manuscript).