

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Nephrology

**Manuscript NO:** 66128

**Title:** Prediction of mortality among patients with chronic kidney disease: A systematic review

**Reviewer's code:** 05872085

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** United States

**Author's Country/Territory:** United States

**Manuscript submission date:** 2021-03-21

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-21 16:51

**Reviewer performed review:** 2021-04-20 02:54

**Review time:** 29 Days and 10 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<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
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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## **SPECIFIC COMMENTS TO AUTHORS**

Abstract Methods: need to specify in methods how predictive factors were categorized into outstanding, excellent, and acceptable. Manuscript Methods: Search strategy: why were the terms “end-stage kidney disease” OR “ESRD” added with an AND and not an OR in the search terms. This means that the population of interest was patients with ESRD and not CKD in general. However, the objective gives an impression that the population of interest is CKD patients. Inclusion criteria: would suggest using the term "CKD patients without renal or kidney transplant" instead of "non-transplant CKD". Results Figure 1: For transparency, please provide reasons for all articles excluded by the following broad categories- ineligible population, different outcome of interest, ineligible study design, ineligible outcome metric (i.e., AUC not reported). Study population: Need to report total no. of patients before describing the no. of patients without dialysis and with ESRD. Table 2. how were the situations in which the same predictor was found to have different AUC values from two different studies were handled? Need to include this information in Table 2 footnote or Methods section. Discussion Limitations: it is not possible to "avoid" but "identify" the selection bias by conducting the risk of bias assessment. Supplemental Table 1: Please cite all articles in the leftmost column of the table.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Nephrology

**Manuscript NO:** 66128

**Title:** Prediction of mortality among patients with chronic kidney disease: A systematic review

**Reviewer's code:** 05362038

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** United States

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**Reviewer accepted review:** 2021-04-10 02:47

**Reviewer performed review:** 2021-04-20 08:48

**Review time:** 10 Days and 6 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

First, the author conducted a systematic review of studies that reported predictive factors for mortality in CKD patients(including non-dialysis dependent CKD patients ) with associated area under the receiver operating characteristic (ROC) curve [AUC] analysis.The findings would help guide the future design of an accurate mortality risk calculator for CKD patients. Second, the systematic review follows the PRISMA statement with two independent researchers. Third, the authorproposed limitations of the study and the future directions of the topic described in this manuscript.