Reviewer’s report

Title: Risk factors for renal toxicity after inpatient cisplatin administration

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Reviewer: Neil Henney

Reviewer's report:

This is a useful contribution to the field of practice and there is clear potential for the findings to impact positively on patient care. I have picked up a few points which you may wish to consider:

1) The manuscript is generally written in good English, but occasionally the syntax slips and this detracts from the overall quality. Perhaps a careful proof-read would resolve these issues, or a contribution from a native English speaker might help.

2) Methods: It would be helpful to further clarify the inclusion/exclusion criteria. I can't quite work out if the 198 participants were everyone who was treated with cisplatin within the 2-year period (except those receiving a dose> 100 mg/m2) or if this was a random selection, or based on other parameters not reported. Perhaps this could be clarified?

3) Methods: You state the p-value for multivariate stepwise linear regression is < 0.5 for variable-removal. Is this correct...?

4) For the chosen variables, many of these appear to be categorical (e.g. either the patients had hypertension or they didn't). But you haven't defined this. Using this example, are you relying on a diagnosis of hypertension? Or a particular blood pressure recording? (And if so, how have you defined hypertension?). Or, that the patient is taking antihypertensive drugs? The same premise applies to other categories, e.g. alcohol intake. How have you categorised patients here? Does a patient who drinks 1 unit of alcohol per week fall into the same category as a patient who drinks >20 units, for example? It would be helpful to provide more detail on each of these variables since they have been included in your analyses, and since some of these you have found to predict increased risk or nephrotoxicity.

It seems you have recognised this, since you state in the conclusion that "it would be interesting to investigate if renal toxicity is dependent on cirrhosis severity". But again, how did you categorise patients for cirrhosis in the first place?

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**

If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

**Quality of written English**

Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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