Reviewer's report

**Title:** Incidence and outcome of contrast-associated acute kidney injury in a mixed medical-surgical ICU population: a retrospective study

**Version:** 2 **Date:** 3 October 2012

**Reviewer:** Etienne Macedo

Reviewer's report:

**Major Comments**

1. It would be interesting to have a flow chart of the study population, illustrating the reasons for exclusion and the incidence of CA AKI. Do the authors have the data of AKI incidence with patients who did not receive contrast during the study period?

2. The authors mention that there was no written protocol for CA AKI. Did they review the charts to investigate if patients received volume expansion?

3. If the authors have the data on non contrast associated AKI, was there a difference in the outcomes between the two groups?

4. The authors mention that preventive measures are of uncertain efficacy in ICU patients. The reference for this statement is a retrospective study in which this uncertainty could be biased. Please comment.

5. In the conclusion, the authors state that CA AKI is a “severe” complication. Although I agree with the authors that it is potentially severe, the authors did not provide a multivariate analysis to support this statement.

**Level of interest:** An article of limited interest

**Quality of written English:** Acceptable

**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

I declare that I have no competing interests