Reviewer's report

Title: Antioxidant effect of gallic acid from Phyllanthus emblica extract prevents contrast-induced acute kidney injury

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Reviewer: Omer Toprak

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Comments to the Author

The authors tried to investigate the antioxidant effect of Phyllanthus emblica (PE) in prevention of contrast-induced nephropathy (CIN), in a rat model. PE extract (125 or 250 or 500 mg/kg/day) was given for 5 days before the induction of CIN. They measured the renal function and oxidative stress markers in plasma and renal tissue. They concluded that PE extract has a protective role against CIN in a rat model. I would make some suggestions:

1. The paper addresses an interesting and important aspect of the prevention of CIN. The work is well written and well documented.

2. The following sentence in abstract-conclusion section: “These findings suggest that pretreatment with PE extract provides the renoprotective effect against CI-AKI in rat model and needs further development to assess its clinical usefulness” should change as following: “This study demonstrated the protective role of PE extract against CIN”.

3. The authors should provide explanation why was it necessary to pretreat animals for 5 days. What was the rationale for 5 day pre-treatment of Phyllanthus emblica (PE)? What is the effect of a single dose treatment at the time of contrast media administration?

4. They should include a “limitation of the study” section to the discussion.

Level of interest: An article of importance in its field

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.