Reviewer's report

Title: Catechin prevents the calcium oxalate monohydrate induced renal calcium crystallization in NRK-52E cells and the ethylene glycol induced renal stone formation in rat

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Reviewer: Vittorio Fineschi

Reviewer's report:

Minor essential revisions
The paper is interesting and deserves to be published.
I have only few comments.
The paper is well argumented, the methods are appropriate and well described, but it should be useful for the readers to introduce in the section titled "Ultrastructural findings of kidneys exposed to EG in the control and crystal-model rat", the concepts about COM internalization by HPT cells. So, figure 7 needs to be expanded by a detailed legend about the morphology of the picture shown.
Again, it would be interesting to specify the role of calcium. Literature results also stress the influx of extracellular calcium to produce toxicity and oxidative stress to renal cells.
Legend of figure 4, needs to be expanded with a clear explanation about the reactions and the results of immunohistochemistry.
Authors must cite some relevant contributions about ROS and renal toxicity in the references list.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
'I declare that I have no competing interests'.