Reviewer's report

Title: Magnesium supplementation and high volume hydration reduce the renal toxicity caused by cisplatin-based chemotherapy in lung cancer patients; a toxicity study.

Version: 7 Date: 22 June 2014

Reviewer: Seiji Niho

Reviewer's report:

The authors evaluated which Mg infusion and hydration volume affected renal toxicity caused by cisplatin.
There are several problems, as below.

Major Compulsory Revisions
1. A term of historical prospective cohort study is difficult to understand. This study seems to be a retrospective study.
2. Page 7, line 124. The authors mention that “these regimens were … conducted in accordance with the Japanese Good Clinical Practice guidelines”. Wasn’t cisplatin-based chemotherapy conducted as a clinical practice?
3. Please describe a frequency of blood chemistry test.
4. Table 3. Frequency of grade 2 to 3 serum creatinine elevation in the high-volume hydration Mg- group was approximately 46%. This frequency is amazingly high, compared with historical data. Is this data correct?

Minor Essential Revisions
1. Page 11, line 203. “Second, In our study” should be changed as “Second, in our study”.

Level of interest: An article of limited interest

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.