Reviewer’s report

Title: Arsenic-induced dyslipidemia in male albino rats: comparison between trivalent and pentavalent inorganic arsenic in drinking water

Version: 4 Date: 9 January 2015

Reviewer: Xiaojuan Guo

Reviewer's report:

Reviewer's report - Major Compulsory Revisions

Abstract: should be simplified, especially the results and conclusion. The conclusion in the abstract should not use the same words as the main text.

Discussion.

1. The explanation of the study results is weak and comparisons with other research is lacking. It is not easy to ascertain the main point. In addition, no limitations or future research are mentioned in the present study.

2. Discussion, second paragraph: there is no clear association with the major findings in this study.

3. Discussion, third paragraph: context logic is confusing.

4. Discussion, ninth paragraph (line 412): The author writes: “an arsenic-induced damage to the blood brain barrier”. A reference should be provided.

5. Discussion, ninth paragraph (line 426-436): reasons provided cannot be substantiated.

-Minor Essential Revisions

None

-Discretionary Revisions

None

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

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

Declaration of competing interests:

When completing your declaration, please consider the following questions:

- Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the
publication of this paper, either now or in the future? No

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- Do you hold or are you currently applying for any patents relating to the content of the manuscript? Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript? No

- Do you have any other financial competing interests? No

- Do you have any non-financial competing interests in relation to this paper? No