Reviewer's report

Title: Exposure Assessment of Dietary Cadmium: Findings from Shanghainese over 35 years, China

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Reviewer: Augusto Alberto Pastorelli

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The manuscript 1843381576886802 “Exposure Assessment of Dietary Cadmium: Findings from Shanghainese over 35 years, China” investigates the presence of cadmium in some among those of the most consumed foods by Shanghainese adult population, in order to estimate the non-occupational exposure health risk. Moreover, the study evaluates the assessment of the global cadmium exposure by other environmental cadmium considering the influence of smoke on cadmium exposure. The authors describe a statistically significant difference in blood cadmium between men and women (p<0.001), but no such difference in urine cadmium between the same groups. Moreover, considering the influence of smoke on cadmium exposure, statistical differences in blood cadmium between smokers and non-smokers groups were found.

The paper's standard of English is sufficient even though a full text revision is suggested.

There are several typing mistakes. A full text revision is suggested.

Major Compulsory Revisions

1) Methods for cadmium analysis are not well described or not described at all.
2) Sample population for smoking women (4) seems to not to be enough for a statistical evaluation related to smoking exposure (e.g. Section Results: p 9 raw 22).

Minor Essential Revisions

1) Significant figures may be rounded in several cases (e.g. Results page 7 line 15 37.35%, line 19 38.81%, 36.65% ).
2) Results (P 7 row 25): Authors declare that the “level of water cadmium was lower than Limit of detection (LOD) as 0.00005 mg/l. Which is the authors’ estimation for censored data?
3) Interpretation of results is generally balanced and supported by the data. Authors should indicate NML for each food categories.

Discretionary Revisions

1) Discussion (page 10 line 17): why didn’t the authors show data for other non-populated provinces in China?
**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Needs some language corrections before being published

**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

I declare that I have no competing interests