

PEER-REVIEW REPORT

Name of journal: *World Journal of Hepatology*

Manuscript NO: 71958

Title: Fertaric acid amends bisphenol A-induced toxicity, DNA breakdown, and histopathological changes in the liver, kidney, and testis

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03374570

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: Egypt

Manuscript submission date: 2021-09-27

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-09-29 10:18

Reviewer performed review: 2021-10-01 13:38

Review time: 2 Days and 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

I have read the paper entitled “Fertaric acid ameliorates the toxicity, DNA breakdown, and histopathology of liver, kidney, and testis induced by bisphenol A exposure” by Koriem and Emam. The paper assesses that Fertaric acid “ameliorates liver, kidney, and testis-related toxicity, DNA breakdown, and histopathology in BPA exposure”. The paper responds to the journal criteria of evaluation, but this reviewer has an important concern: The BPA dose of exposition is very high and, as far as I know, it is not possible to be exposed to this so high dose, even for workers of plastic companies (Usually they show μg s of BPA per L of plasma). Authors should provide, in the introduction section, when, where, and whether it is possible to be exposed to 4 mg/kg/day in daily life. Indeed, thee current tolerant TDI for BPA, established in January 2015 by EFSA, is at a threshold of 4 micrograms per kg/day. Which kind of people can be exposed to a 1000 times higher dose?

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Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04498421

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Egypt

Manuscript submission date: 2021-09-27

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-09-29 14:22

Reviewer performed review: 2021-10-07 11:39

Review time: 7 Days and 21 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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SPECIFIC COMMENTS TO AUTHORS

Authors gave the result that FA ameliorates liver, kidney, and testis-related toxicity, DNA breakdown, and histopathology in BPA exposure. The research design was rigorous and the discussion part was satisfactory. I think no further modifications are required. Thanks. Please check any errors in the manuscript. for example Page 17: Martin and Friedman [51[.....Also, Esplugas et al.[57] (square brackets [51],underline)