RETRACTION

Retraction: Anti-Ulcerogenic Effect of Methanolic Extracts from *Enicosanthellum pulchrum* (King) Heusden against Ethanol-Induced Acute Gastric Lesion in Animal Models

The PLOS ONE Editors

Following the publication of this article [1], concerns were raised regarding reuse of results presented in Figures 7 and 8. Specifically,

- Figure 7B of this study [1] appears similar to Figure 6A of [2, retracted in 3]*, despite being used to represent different experimental conditions.
- The Figure 7G panel of this study [1] appears to (partially) overlap with the following results, despite being used to represent different experimental conditions:
 - Figure 7e of [4, retracted in 5]
 - Figure 4e of [6, corrected in 7]*
 - Fig. 8C of [8]
 - Fig. 4e of [9]
 - Figure 5F of [10]
 - Figure 5 panel G3 of [11, retracted in 12]
- Figure 8A of this study [1] appears similar to the Figure 6 panel G7 of [11, retracted in 12]*, despite being used to represent different experimental conditions.
- Figure 8G of this study [1] appears similar to Figure 7a of [4, retracted in 5]* when rotated, despite being used to represent different experimental conditions.

Given the nature and extent of the issues, the *PLOS ONE* Editors are concerned about the reliability of data management and/or reporting for this study [1].

Following editorial communication regarding these concerns, one of the co-authors requested retraction of the article. The original data underlying this study were not provided for editorial review.

In light of the above concerns, the *PLOS ONE* Editors retract this article.

Some figure panels discussed above appear to report previously published material that are offered under a CC BY license, but the original articles were not attributed in [1]. For these images, the * by the citation, above, marks the oldest publication of the image of which PLOS is aware.

NN, SG, PH, NAM, NMH, and MAA agreed with the retraction. MH responded but expressed neither agreement nor disagreement with the editorial decision. SMS, BK, HO, MF,



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HK, HT, and HMA either did not respond directly or could not be reached. NN, SG, PH, NAM, and NMH apologize for the issues with the published article. MAA stands by the article's findings.

References

- Nordin N, Salama SM, Golbabapour S, Hajrezaie M, Hassandarvish P, Kamalidehghan B, et al. (2014) Anti-Ulcerogenic Effect of Methanolic Extracts from *Enicosanthellum pulchrum* (King) Heusden against Ethanol-Induced Acute Gastric Lesion in Animal Models. PLoS ONE 9(11): e111925. https://doi.org/ 10.1371/journal.pone.0111925 PMID: 25379712
- Ketuly KA., Hadi AHA., Golbabapour S, Hajrezaie M, Hassandarvish P, Ali HM, et al. (2013) Acute Toxicity and Gastroprotection Studies with a Newly Synthesized Steroid. PLoS ONE 8(3): e59296. https://doi.org/10.1371/journal.pone.0059296 PMID: 23516624
- The PLOS ONE Editors (2023) Retraction: Acute Toxicity and Gastroprotection Studies with a Newly Synthesized Steroid. PLoS ONE 18(11): e0294010. https://doi.org/10.1371/journal.pone.0294010
- 4. Halabi MF, Shakir RM, Bardi DA, Al-Wajeeh NS, Ablat A, Hassandarvish P, et al. (2014) Gastroprotective Activity of Ethyl-4-[(3,5-di-tert-butyl-2-hydroxybenzylidene) Amino]benzoate against Ethanol-Induced Gastric Mucosal Ulcer in Rats. PLoS ONE 9(5): e95908. https://doi.org/10.1371/journal.pone.0095908 PMID: 24800807
- The PLOS ONE Editors (2023) Retraction: Gastroprotective Activity of Ethyl-4-[(3,5-di-tert-butyl-2-hydroxybenzylidene) Amino]benzoate against Ethanol-Induced Gastric Mucosal Ulcer in Rats. PLoS ONE 18(11): e0294007. https://doi.org/10.1371/journal.pone.0294007
- Ismail IF, Golbabapour S, Hassandarvish P, Hajrezaie M, Majid NA, Kadir FA, et al. (2012) Gastroprotective Activity of *Polygonum chinense* Aqueous Leaf Extract on Ethanol-Induced Hemorrhagic Mucosal Lesions in Rats. Evidence-Based Complementary and Alternative Medicine, Volume 2012, Article ID 404012. https://doi.org/10.1155/2012/404012 PMID: 23365597
- Ismail IF, Golbabapour S, Hassandarvish P, Hajrezaie M, Majid NA, Kadir FA, et al. (2018) Corrigendum to "Gastroprotective Activity of *Polygonum chinense* Aqueous Leaf Extract on Ethanol-Induced Hemorrhagic Mucosal Lesions in Rats". Evidence-Based Complementary and Alternative Medicine, Volume 2018, Article ID 8961462. https://doi.org/10.1155/2018/8961462 PMID: 30647764
- Ibrahim IAA, Hussein AI, Muter MS, Mohammad AT, Al-Medhtiy MA, Shareef SH, et al. (2022) Effect of nano silver on gastroprotective activity against ethanol-induced stomach ulcer in rats. Biomedicine & Pharmacotherapy 154. https://doi.org/10.1016/j.biopha.2022.113550 PMID: 35994814
- Al Batran R, Abdulla MA, Al-Obaidi MMJ, Hajrezaei M, Hassandarvish P, Fouad M, et al (2013) Gastroprotective effects of *Corchorus olitorius* leaf extract against ethanol-induced gastric mucosal hemorrhagic lesions in rats. Journal of Gastroenterology and Hepatology, 28(8): 1321–1329. https://doi.org/ 10.1111/jgh.12229 PMID: 23611708
- 10. Sidahmed HMA, Azizan AHS, Mohan S, Abdulla MA, Abdelwahab SI, Taha MME, et al. (2013) Gastro-protective effect of desmosdumotin C isolated from *Mitrella kentii* against ethanol-induced gastric mucosal hemorrhage in rats: possible involvement of glutathione, heat-shock protein-70, sulfhydryl compounds, nitric oxide, and anti-*Helicobacter pylori* activity. BMC Complementary Medicine and Therapies. 13: 183. https://doi.org/10.1186/1472-6882-13-183 PMID: 23866830
- Al Batran R, Al-Bayaty F, Jamil Al-Obaidi MM, Abdualkader AM, Hadi HA, Ali HM, et al. (2013) In Vivo Antioxidant and Antiulcer Activity of *Parkia speciosa* Ethanolic Leaf Extract against Ethanol-Induced Gastric Ulcer in Rats. PLoS ONE 8(5): e64751. https://doi.org/10.1371/journal.pone.0064751 PMID: 23724090
- 12. The PLOS ONE Editors (2023) Retraction: In Vivo Antioxidant and Antiulcer Activity of Parkia speciosa Ethanolic Leaf Extract against Ethanol-Induced Gastric Ulcer in Rats. PLoS ONE 18(11): e0294012. https://doi.org/10.1371/journal.pone.0294012