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2



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References

- Gøtzsche PC, Hróbjartsson A, Johansen HK, et al. Ghost authorship in industry-initiated randomised trials. PLoS Med 2007;4:e19. https://doi.org/10.1371/journal.pmed.0040019 C*
- 2. ICMJE. Recommendations for the conduct, reporting, editing, and publication of scholarly work in medical journals. May 2022. https://b.link/icmje-7 [7]

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https://cope.onl/elearn-authorship

Siu-wai Leung. Promoting awareness of good authorship practice.

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DeTora LM et al. Good Publication Practice (GPP) Guidelines for Company-Sponsored Biomedical Research: 2022 Update. Annals of Internal Medicine. 2022;175(9):1298-1304.

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