



Clarification of issues brought up by ‘Is highflow nasal cannula better for children with bronchiolitis?’

Juan Cao^{1#}, Qiuyue Cai^{2#}, Yu Xing¹, Lihua Zhong², Changsi Wen¹, Huimin Huang³

¹Department of Pediatrics, Hainan Modern Women and Children’s Hospital, Haikou, China; ²Department of Pediatrics, Hainan Women and Children’s Medical Center, Haikou, China; ³Department of Pediatrics, The First Affiliated Hospital of Hainan Medical University, Haikou, China

[#]These authors contributed equally to this work and should be considered as co-first authors.

Correspondence to: Huimin Huang, Department of Pediatrics, The First Affiliated Hospital of Hainan Medical University, Haikou 570102, China. Email: huanghuimin4206@163.com.

Response to: Feng Q, Feng X, Liao W, *et al.* Is highflow nasal cannula better for children with bronchiolitis? *Transl Pediatr* 2022. doi: 10.21037/tp-22-248.

Submitted Jul 18, 2022. Accepted for publication Sep 05, 2022.

doi: 10.21037/tp-2022-03

View this article at: <https://dx.doi.org/10.21037/tp-2022-03>

Thanks for your review (1) of our study (2).

For the search strategy, we only included two English databases as we found that most of the literature are in these two databases. However, we should have included other databases for more comprehensive search.

For the bias tool, we do notice that the reference 10 was an observational study. However, since it is a prospective cohort study, we can still use Cochrane risk of bias (ROB) to assess the bias of the study. Although Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) guideline recommends quality assessment with detailed scores as Jadad does, we should not treat it as a solid standard. Jadad scale is too old to assess the bias of randomised controlled trials (RCTs). Cochrane ROB could provide us with more information of the bias, which is kind of strong indication of the quality. We revealed it in *Figs. 2,7*.

For the publication bias, we revealed the result with funnel plot. However, it is indeed better to assess the publication bias with quantitative tools as Egger’s test or Begg’s test.

Lastly, we did not perform sensitivity analysis because our primary outcomes effect size pooling showed no significant heterogeneity $I^2=0\%$, and we only included 7 studies for this outcome. However, we should have performed sensitivity analysis to check the stability of the results.

We will enhance our work and make it more convincing next time.

Acknowledgments

Funding: None.

Footnote

Provenance and Peer Review: This article was commissioned by the editorial office, *Translational Pediatrics*. The article did not undergo external peer review.

Conflicts of Interest: All authors have completed the ICMJE uniform disclosure form (available at <https://tp.amegroups.com/article/view/10.21037/tp-2022-03/coif>). The authors have no conflicts of interest to declare.

Ethical Statement: The authors are accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

Open Access Statement: This is an Open Access article distributed in accordance with the Creative Commons Attribution-NonCommercial-NoDerivs 4.0 International License (CC BY-NC-ND 4.0), which permits the non-commercial replication and distribution of the article with the strict proviso that no changes or edits are made and the original work is properly cited (including links to both the

formal publication through the relevant DOI and the license). See: <https://creativecommons.org/licenses/by-nc-nd/4.0/>.

References

1. Feng Q, Feng X, Liao W, et al. Is highflow nasal cannula

better for children with bronchiolitis? *Transl Pediatr* 2022. doi: 10.21037/tp-22-248.

2. Cao J, Cai Q, Xing Y, et al. Efficacy and safety analysis of high-flow nasal cannula in children with bronchiolitis: a systematic review and meta-analysis. *Transl Pediatr* 2022;11:547-55

Cite this article as: Cao J, Cai Q, Xing Y, Zhong L, Wen C, Huang H. Clarification of issues brought up by ‘*Is highflow nasal cannula better for children with bronchiolitis?*’. *Transl Pediatr* 2022;11(10):1733-1734. doi: 10.21037/tp-2022-03