

## PEER REVIEW HISTORY

BMJ Paediatrics Open publishes all reviews undertaken for accepted manuscripts. Reviewers are asked to complete a checklist review form and are provided with free text boxes to elaborate on their assessment. These free text comments are reproduced below.

### ARTICLE DETAILS

<b>TITLE (PROVISIONAL)</b>	Protocol for a double blind, randomised placebo controlled trial using Ondansetron to reduce vomiting in children receiving intranasal Fentanyl and inhaled Nitrous oxide for procedural sedation in the emergency department (the FON trial)
<b>AUTHORS</b>	Fauteux-Lamarre, Emmanuelle; Babl, Franz; Davidson, Andrew; Legge, Donna; Lee, Katherine; Palmer, Greta; Hopper, Sandy

### VERSION 1 - REVIEW

<b>REVIEWER</b>	Krieser, David Paediatric Emergency Medicine Sunshine Hospital Victoria Australia Competing interests: None
<b>REVIEW RETURNED</b>	05-Nov-2017

<b>GENERAL COMMENTS</b>	The manuscript describes a well thought out and valid study. The protocol is written clearly and has no major flaws. Items of style rather than substance can always be identified. Such minor revisions do not add to the scientific worth of the protocol and do not serve the investigators well.
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<b>REVIEWER</b>	Yu, C. Department of Anesthesiology, The Affiliated Hospital of Stomatology, Chongqing Medical University, Chongqing, China Chongqing key Laboratory for Oral Diseases and Biomedical Sciences, Chongqing, China Competing interests: No competing interests
<b>REVIEW RETURNED</b>	07-Nov-2017

<b>GENERAL COMMENTS</b>	<p>To author,</p> <p>In the randomised controlled trial, the authors set out to assess whether preventative use of ondansetron can reduce the vomiting incidence when INF is combined with N2O for procedural sedation compared with placebo. If successful, the combination of INF and N2O with ondansetron would provide a new management strategy that will add to the current standard of care for paediatric procedural sedation.</p> <p>First of all, this study has important clinical significance.</p> <p>Secondly, design of the experiment system is reasonable and reliable.</p> <p>Major</p> <p>There is no any data result of the experiment in the article.</p>
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## VERSION 1 – AUTHOR RESPONSE

1) We thank Reviewer #1 for a thorough evaluation of our paper. We have addressed concerns from Reviewer #1 in this section.

**“The manuscript describes a well thought out and valid study. The protocol is written clearly and has no major flaws. Items of style rather than substance can always be identified. Such minor revisions do not add to the scientific worth of the protocol and do not serve the investigators well.”**

We thank Reviewer #1 for this positive review. We have not made any changes to the manuscript in response to the above comment.

2) We thank Reviewer #2 for a thorough evaluation of our paper. We have addressed concerns from Reviewer #2 in this section.

**“In the randomised controlled trial, the authors set out to assess whether preventative use of ondansetron can reduce the vomiting incidence when INF is combined with N2O for procedural sedation compared with placebo. If successful, the combination of INF and N2O with ondansetron would provide a new management strategy that will add to the current standard of care for paediatric procedural sedation. First of all, this study has important clinical significance. Secondly, design of the experiment system is reasonable and reliable.”**

We thank Reviewer #2 for this positive review. We have not made any changes to the manuscript in response to the above comment.

## VERSION 2 – REVIEW

<b>REVIEWER</b>	Krieser, David Sunshine Hospital Paediatric Emergency Medicine Australia University of Melbourne Paediatrics, Faculty of Medicine, Dentistry and Health Sciences Melbourne Competing interests: None
<b>REVIEW RETURNED</b>	27-Nov-2017

<b>GENERAL COMMENTS</b>	Revision noted. I had accepted the previous version but appreciate the clarification provided in this version.
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<b>REVIEWER</b>	Yu, C. Department of Anesthesiology, Affiliated Hospital of Stomatology, Chongqing Medical University, Chongqing, China Competing interests: I declared no potential conflicts of interest with this article.
<b>REVIEW RETURNED</b>	10-Dec-2017

<b>GENERAL COMMENTS</b>	“In the randomised controlled trial, the authors set out to assess whether preventative use of ondansetron can reduce the vomiting
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	<p>incidence when INF is combined with N2O for procedural sedation compared with placebo. If successful, the combination of INF and N2O with ondansetron would provide a new management strategy that will add to the current standard of care for paediatric procedural sedation. First of all, this study has important clinical significance. Secondly, design of the experiment system is reasonable and reliable.”</p>
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