



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Pediatrics

Manuscript NO: 67470

Title: Role of nitrous oxide in contemporary paediatric anaesthesia

Reviewer's code: 06060975

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Kenya

Author's Country/Territory: India

Manuscript submission date: 2021-04-25

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-29 23:58

Reviewer performed review: 2021-05-02 09:14

Review time: 2 Days and 9 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 Grade E: Do not publish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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

What is the main focus of the manuscript? What is the rationale of the opinion paper?

What are the areas of feature studies you will suggest following your opinion ? What is impact of this publication to clinical practice?



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Pediatrics

Manuscript NO: 67470

Title: Role of nitrous oxide in contemporary paediatric anaesthesia

Reviewer's code: 05278137

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Italy

Author's Country/Territory: India

Manuscript submission date: 2021-04-25

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-25 13:20

Reviewer performed review: 2021-05-08 08:05

Review time: 12 Days and 18 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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SPECIFIC COMMENTS TO AUTHORS

Reviewer	Reply	Page no./line number
<p>Dear Authors, evaluate the current role of nitrous oxide in paediatric anaesthesia is a good purpose. However, the paper in the current version has some major weaknesses.</p> <p>Some suggestions: -</p> <ol style="list-style-type: none"> 1. In the Introduction, the authors stated their objective is to discuss the present status of nitrous oxide in paediatric anaesthesia practice. However, the paper details the pharmacological characteristics of nitrous oxide but does not provide data on its current role in contemporary pediatric anaesthesia. 2. Methods are missing: selection criteria and critical analysis of literature research are not described 3. In the paragraph, Do we have a better alternative the author's state: "However, none of these has the beneficial property of amnesia analgesia of the degree offered by Nitrous oxide with comparable cardiovascular 	<p>The current data has been discussed in a detailed way now.</p> <p>Methods of selection and critical analysis have been added now.</p> <p>Reference citation has been added.</p>	

<p>stability". This statement must be supported by bibliographic references.</p> <p>4. Are there any studies comparing the degree of amnesia or analgesia or cardiovascular stability between BDZ, opioids, alpha2 agonists to nitrous oxide?</p> <p>5. Discussion is missing- The bibliography is dated, I believe that this data needs to be commented on;</p> <p>6. The Conclusion is non-specific, it must be rephrased after writing the Discussion.</p> <p>7. Minor requests:- The paragraph Metabolic effects is quite long and very detailed, it should be shortened.</p> <p>8. Nitrous oxide uses for procedural pain in children: the composition of the Entonox must be specified.</p>	<p>We have added the studies on opioid, benzodiazepine and ketamine as compared to nitrous oxide in children. We could not find any study on its comparison to alpha2 agonists</p> <p>Discussion has been added.</p> <p>Conclusion has been rephrased now.</p> <p>The paragraph on metabolic effects has been shortened.</p> <p>The composition of Entonox has been specified.</p>	
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