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OPEN PEER REVIEW

The Effect of Preoperative Combined with Intravenous Lidocaine and Ketamine vs. Intravenous Ketamine on Pediatric Patients Undergoing Upper Gastrointestinal Endoscopy

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About this report

This open peer review (OPR) report shows the public comments made on this article during peer review, by the reviewers, the associate editor and the editor-in-chief, for every revision round, together with the authors' replies. Comments appear only with the consent of the people who wrote them. Reviewers who chose to sign their report are named; the others are shown as "Referee". Comments are edited for language only, and confidential remarks to the editors are not included.

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1 Original submission

3 comments · 26 Nov 2022 – 27 Nov 2022

Referee 1 Reviewer

MAJOR REVISION 26 Nov 2022

The purpose of this randomized controlled experiment is to evaluate the impact of combining ketamine and lidocaine on hemodynamic parameters in children undergoing endoscopic procedures. The authors found that the combination of lidocaine and ketamine had no significant effect on the hemodynamic stability of children during or after an endoscopy, and that adding lidocaine to ketamine does not appreciably reduce recovery time or satisfy the endoscopist.

1. Please cite the following paragraph in the introduction with up-to-date references:

“According to the aforementioned, recent research indicates that the use of combination therapy for the purpose of sedation during endoscopy in children is related to a lower risk of problems and an increase in the number of positive effects. Ketamine is often used during paediatric endoscopy, and the usage of lidocaine is growing due to the effects indicated above.”

2. At the end of the introduction, please list the study's objectives numerically. The results section will provide detailed explanations for each goal respectively.

3. The methodology of the manuscript is not clear at all.

4. The English language of the manuscript is incompatible with an academic paper and resembles a simple tale.

5. The quality of the discussion is also very poor.

Associate Editor

MAJOR REVISION 27 Nov 2022

Dear EIC,

The manuscript needs revision. It should be changed based on the comments.

Editor-in-Chief

MAJOR REVISION 27 Nov 2022

Dear Author,

Please revise the manuscript based on all comments.

2

Revision 1

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

Reviewer 1:
Thanks for your submission and the attention in this important field.
The design of the study is well explained but there are some points needed to be clarified.

Author:

The results section of the manuscript was revised and clarified

In discussion part it is necessary to take in to consideration that there are some studies investigated the Ketamin and Lidocaine in various forms in pediatric anesthesia so explain about them please as you mentioned is focused on other drugs.

Author:

We improved the quality and revised the whole discussion section and reviewed more studies that have examined the effects of *lidocaine* and *ketamine* in pediatric anesthesia for various procedures.

Reviewer 2:
The purpose of this randomized controlled experiment is to evaluate the impact of combining ketamine and lidocaine on hemodynamic parameters in children undergoing endoscopic procedures. The authors found that the combination of lidocaine and ketamine had no significant effect on the hemodynamic stability of children during or after an endoscopy, and that adding lidocaine to ketamine does not appreciably reduce recovery time or satisfy the endoscopist.
1. Please cite the following paragraph in the introduction with up-to-date references:
“According to the aforementioned, recent research indicates that the use of combination therapy for the purpose of sedation during endoscopy in children is related to a lower risk of problems and an increase in the number of positive effects. Ketamine is often used during paediatric endoscopy, and the usage of lidocaine is growing due to the effects indicated above.

Author:

References were updated

2. At the end of the introduction, please list the study's objectives numerically. The results section will provide detailed explanations for each goal respectively

Author:

The results section of the manuscript was revised and clarified

Study aims were added to the introduction numerically

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3. The methodology of the manuscript is not clear at all.

Author:

The methodology of the manuscript was revised and clarified

4. The English language of the manuscript is incompatible with an academic paper and resembles a simple tale.

Author:

We attempted to improve the quality of the English language of the manuscript and made it compatible with native academic English.

5. The quality of the discussion is also very poor.

Author:

We improved the quality and revised the whole discussion section and reviewed more studies that have examined the effects of *lidocaine* and *ketamine* in pediatric anesthesia for various procedures.

2 Revision 1

3 comments · 9 Feb 2023 – 15 Feb 2023

Referee 1 Reviewer

ACCEPT 9 Feb 2023

Dear authors,
Thank you.

Associate Editor

ACCEPT 15 Feb 2023

Dear EIC,
All revisions requested by the reviewers have been completed successfully, and the manuscript is acceptable in the reviewers' view.
Thank you.

Editor-in-Chief

ACCEPT 15 Feb 2023

Dwar Author,
Thank you for your efforts in revising the manuscript. It is acceptable now.