OPEN PEER REVIEW

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An "Open Peer Review" process is making the details of all review process (including reviewers, associate editors, and EICs comments) as "Public" as it is agreed by EIC, Authors, and reviewers.

## Advantages of "Open Peer Review" process

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- Prevents reviewers from following their individual agendas and leading to the detection of reviewers' conflicts of interests

You can find out more at:
https://brieflands.com/briefland/knowledgebase/category/tree.html#opr.html

Anesthesiology and Pain Medicine
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# Peer Review Report for "Dexmedetomidine as an Additive to Local Anesthesia for Decreasing Intraocular Pressure in Glaucoma Surgery: A Randomized Trial"

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## Review Timeline:

Submit Date: 1 Mar 2020
Revised Date: 9 May 2020
Accepted Date: 27 May 2020

Revision (0)

Here, you can see the **Reviewers**, **Associate Editors** and **EICs'** comments from the beginning to the end of the revision process.

**mehrdad mesbah**: Reviewer | **Revision** (0) — 12 Apr 2020

Dear AE,
After reading and reviewing valuable article necessity and novelty of this research according to the previous database is obvious but I didn't find all blocks were done by one person?
Thanks.

**REFEREE**: Reviewer | **Revision** (0) — 15 Apr 2020

Dear AE,
Thank you for inviting me for reviewing this article:
- Title can be changed as “Effects of Dexmeditomidine on intraocular pressure in peribulbar block for glaucoma surgery.
- According to changes mentioned above the Discussion and conclusion sections should be revised.
- Any systemic medication was given during surgery ?
- RSS is mentioned two times.

- Instrument for IOP measurement Should be mentioned.
Thanks.

**REFEREE**: Reviewer | **Revision** (0) 15 Apr 2020

Dear AE,
- Exclusion criteria of the study please be corrected it should not be written opposite of inclusion criteria
- Please explain about type and dose of analgesia and anesthesia drug during surgery (how to manage patients during surgery)
- What are the types of statistical tests used and group comparision tables? How is it concluded that the two intervention groups were different or not?
- Discussion is brief and please comment on the mechanism of action of the drug and similar research
- The references are old .At least half of the references must be new
Thanks.

**REFEREE**: Reviewer | **Revision** (0) 18 Apr 2020

Dear AE,
Thanks for inviting me.
I read the manuscript and here are some points.
1- Did you give any sedation to the patients while performing the procedure? What was the sedation during surgery?
2- When did you measure the sedation score?
3- Was it an outpatient setting? i mean that patients are discharged the same day.
4- The discussion is not complete and needs revision.
5- Please insert more references.
6- What was the glaucoma surgery? Was it a trabeculectomy?
7- Was the block unilateral or bilateral?
8- Thirteen references is too low for the research article. It must be at least 16. The following references may be useful:
*) Rahimzadeh P, Faiz SHR, Imani F, Derakhshan P, Amniati S. Comparative addition of dexmedetomidine and fentanyl to intrathecal bupivacaine in orthopedic procedure in lower limbs. BMC Anesthesiol. 2018 Jun 6;18(1):62
*) Imani F, Rahimzadeh P, Khademi H, Narimani Zamanabadi M, Sadegi K, et al. Comparison of Transforaminal Triamcinolone and Dexmedetomidine in Radicular Low-Back Pain. Anesth Pain Med. 2019;9(5):e96117.
*) Imani F, Rahimzadeh P, Faiz H, Nowruzina S, Shakeri A, Ghahremani M. Comparison of the Post-Caesarean Analgesic Effect of Adding Dexmedetomidine to Paracetamol and Ketorolac: A Randomized Clinical Trial, Anesth Pain Med. 2018;8(5):e85311.
Thanks.

**REFEREE**: Associate Editor | **Revision** (0) 19 Apr 2020

Dear EIC,
Based on reviewer comments this manuscript needs some corrections.

Final decision: Minor revision
Regards

**REFEREE**: EIC | **Revision** (0) 19 Apr 2020

Dear Author,
Your article is reviewed by the reviewers carefully. According to their comments, this document needs minor revision. Please follow their comments as requested.
Thanks.

OPEN PEER REVIEW

Revision (1)

## Reply to Reviewers

Ideally, the reviewing process can significantly improve the submitted manuscripts by allowing the authors to take into account the advice of reviewers. Author(s) must reply to all reviewers' comments in a separate Word file, point by point. A "**Reply to Reviewers**" document is submitted along with revised manuscript during submission of revised files, summarizing the changes that the authors made in response to the reviewers' comments. The responses to reviewers' comments specifies how the authors addressed each comment the reviewers made.

You can read the authors' responses to the reviewers' comments in the next page.

| *Reviewer comment* | *Response* | *Page and line* |
|---|---|---|
| *Reviewer 1: Exclusion criteria of the study please be corrected it should not be written opposite of inclusion criteria* | *Done* | *Page 3 lines57-63* |
| *Please explain about type and dose of analgesia and anesthesia drug during surgery(how to manage patients during surgery)* | *Added (*No sedation was given at all allover the procedure and only full explanations and reassurance to the patients by the providers. In case of failure of the block, the patient well be shifted to general anesthesia and excluded from the procedure.) | *Page5 lines104-106* |
| *What are the types of statistical tests used and group comparision tables?* | *Written* | *Page 6 lines119-127* |
| *How is it concluded that the two intervention groups were different or not?* | *Check table 1* | *Page 6 line 137* |
| *Discussion is brief and please comment on the mechanism of action of the drug and similar research* | *Done* | *Page 7 lines 162-206* |
| *The references are* | *Three new references* | *Line 207 page 9* |

| | | |
|---|---|---|
| *old .At least half of the references must be new* | *were added* | |
| *Reviewer 2:*<br><br>*I didn't find all blocks were done by one person?* | *This is because of blindness* | *Page5 lines 114-117* |
| *Reviewer 3:*<br>*Title can be changed as "Effects of Dexmeditomidine on intraocular pressure in peribulbar block for glaucoma surgery.* | *We have no problem to cange yhe title but it will be not like the title in* **NCT02846090** | *Line 1 page 1* |
| *According to changes mentioned above the Discussion and conclusion sections should be revised.* | *Done* | *Page 7 lines 162-206* |
| *- Any systemic medication was given during surgery ?* | *No at all* | *Page5 lines104-106* |
| *- RSS is mentioned two times.* | *Only one time* | *Page 4 lines 88-94* |
| *- Instrument for IOP measurement Should be mentioned.* | *IOP measured by :Goldmann applanation tonometer* | *Page 4 line 83* |
| *Reviewer 4:*<br>*1-Did you give any sedation to the patients while performing the procedure? What was the sedation during surgery?* | *No at all* | *Page5 lines104-106* |

| | | |
|---|---|---|
| *2-When did you measure the sedation score?* | sedation level every 10 minutes and for 2 hours using Ramsay sedation scale | *Page 4 line 88* |
| *3-Was it outpatient setting? i mean that patients discharged the same day.* | *It is outpatient setting* | |
| *4-The discussion is not complete and needs revision.* | *Done* | *Page 7 lines 162-206* |
| *5-Please insert more references.* | *Done* | *Pages 9-10* |
| *6-What was the glaucoma surgery? Was it trabeculectomy?* | *Surgery:subscleral trabeculectomy* | *Page 3 line 53-54* |
| *7-Was the block it unilateral or bilateral?* | *According to the patient each eye considered a case in one setting* | |
| *8- Thirteen references is too low for research article. It must be at least 16.* | *Three references were added* | *Pages 9-10* |

**OPEN PEER REVIEW**

**Revision (1)**

Here, you can see the **Reviewers**, **Associate Editors** and **EICs'** comments from the beginning to the end of the revision process.

**REFEREE**: Reviewer | **Revision** (1) 27 May 2020

Dear AE,
The revised manuscript ID#100673 was reviewed. The only minor problem is the title. For more similarity to the registration code, and also to prevent bias, it is best to change the title to the following:
Effects of Dexmedetomidine as an additive to local anesthesia on intraocular pressure in glaucoma surgery
Sincerely

**REFEREE**: Associate Editor | **Revision** (1) 27 May 2020

Dear EIC,
Based on reviewer comment this revision is acceptable, but recommend to author to correct the title during publishing process.
Regards

**REFEREE**: EIC | **Revision** (1) 27 May 2020

Dear Author,
The document is reviewed carefully by the reviewers. According to their comments and your revisions as requested, this manuscript is accepted.
Thanks.