

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 47098

Title: Neuraxial adjuvants for the prevention of perioperative shivering during cesarean section: a network meta-analysis following the PRISMA guidelines

Reviewer's code: 04670810

Reviewer's country: Brazil

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-03-16 00:35

Reviewer performed review: 2019-03-27 19:00

Review time: 11 Days and 18 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

I consider it important that the authors make the pairwise meta-analysis to directly compare the different neuraxial adjuvants. Why was there no comparison of the drugs between them, but only with placebo? The authors conclude that "neuraxial pethidine,

fentanyl, dexmedetomidine, sufentanil are more efficacious than other medications in the prevention of shivering during caesarean section. Although pethidine is the most effective adjuvant for shivering prevention, it significantly increases the incidence of nausea and vomiting. Considering the risk-benefit profiles of the included neuraxial adjuvants, fentanyl is probably the optimal choice." However, the findings are based on meta-analyzes comparing these drugs with placebo. If it is possible to compare the neuraxial adjuvants between them, will the results regarding reduction of the outcomes considered be the same? If neuraxial pethidine is compared with fentanyl, is the latter probably even the best choice? "Recent studies have shown that dexmedetomidine may be safe intrathecal supplement in Cesarean delivery." What studies? References? Page 16. "Besides, as showed in SUCRA curve graph (Figure 4), the four largest SUCRA values were as follows: pethidine (83.9), fentanyl (75.1), dexmedetomidine (66.9) and sufentanil (53.3)." PAGE 10. Please, Include in the text that refers to the incidence of shivering.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [Y] No

BPG Search:

- ☐ The same title
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- ☐ [Y] No