



**PEER-REVIEW REPORT**

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 89773

**Title:** Safety and effectiveness of butorphanol in epidural labor analgesia: A protocol for a systematic review and meta-analysis

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer’s code:** 05343417

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Associate Professor

**Reviewer’s Country/Territory:** South Korea

**Author’s Country/Territory:** China

**Manuscript submission date:** 2023-11-12

**Reviewer chosen by:** Yu-Lu Chen

**Reviewer accepted review:** 2023-12-15 09:26

**Reviewer performed review:** 2023-12-17 07:12

**Review time:** 1 Day and 21 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Novelty of this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
<b>Creativity or innovation of this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

This research initiative represents a commendable effort to address the gap in knowledge regarding the safety and efficacy of butorphanol in epidural labor analgesia. By conducting a thorough and comprehensive search of various reputable databases, the study aims to provide a solid foundation for evidence-based decision-making in clinical practice. The inclusion of randomized controlled trials in the review design is a strength, as it ensures a rigorous methodology that can contribute to robust conclusions. This approach enhances the reliability and validity of the findings, adding credibility to the assessment of butorphanol's effectiveness and safety in comparison to other opioids combined with local anesthetics. The consideration of primary outcomes, such as the visual analog scale score for the first stage of labor, fetal effects, and Apgar scores, reflects a comprehensive evaluation of both maternal and neonatal well-being. This approach aligns with the holistic nature of labor analgesia research and provides valuable insights into potential impacts on both mothers and infants. While the inclusion of various databases is comprehensive, it would be beneficial to explicitly mention the search strategy and criteria to enhance transparency and reproducibility.



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Clear documentation of the search process would contribute to the robustness of the systematic review. Consider specifying the criteria for the selection of studies and potential sources of heterogeneity in the protocol. This will enhance the clarity of the methodology and facilitate a better understanding of the factors influencing the outcomes. The commitment to evaluating publication biases and heterogeneity through Egger's or Begg's tests and the Cochran Q test demonstrates a meticulous approach to methodological quality. This awareness of potential biases and variations in study results is crucial for the accurate interpretation of the overall findings. The commitment to evaluating publication biases and heterogeneity through Egger's or Begg's tests and the Cochran Q test demonstrates a meticulous approach to methodological quality. This awareness of potential biases and variations in study results is crucial for the accurate interpretation of the overall findings.