PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 57513

Title: Wavelet and pain rating index for inhalation anesthesia: A randomized controlled trial

Reviewer's code: 00724702

Position: Editorial Board

Academic degree: MBBS, MD

Professional title: Doctor, Senior Researcher

Reviewer's Country/Territory: India

Author's Country/Territory: China

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Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-06-14 14:03

Reviewer performed review: 2020-06-14 14:50

Review time: 1 Hour

Scientific quality	[Y] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[Y] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

A well written and well designed study on the safety and efficacy of using Wavelet index (WLi) or pain rating index (PRi) in sevoflurane anesthesia. The authors state that "wavelet index (WLi) is a new parameter that potentially could be used to regulate the sedative depth of anesthesia". However, "Comparison of the Ability of Wavelet Index and Bispectral Index for Reflecting Regain of Consciousness in Patients Undergone Surgery" was published in 2010 (PMID: 20819504). The authors may consider discussing why its use has not gained widespread acceptability over the last 10 years.