Reviewer's report

Title: Impact of Computerized Physician Order Entry (CPOE) System on the Outcome of Critically Ill Adult Patients: A Before-After Study

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Reviewer: eran bellin

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Re: Impact of Computerized Physician Order Entery (CPOE) System on the Outcome of Critically Ill adult patients: A before-After Study

Lead author Hasan M. Al Dorzi.

I have reviewed the corrections and the manuscript is almost ready for publication. A few issues remain which I think are easily resolvable

1. P.15 The authors misunderstand the Han paper claiming that “93% of the nonsurvivors after cpoe implementation were admitted to the ICU compared with only 55% before cpoe”. Table 2 of the Han paper is describing the entire group both before and after cope and note that of survivors only 55% were direct admits to the icu, while in nonsurvivors 93% were direct admits. There is no interaction effect of this variable with time modeled by Han. However,Al Dorzi et al. are correct that given the authors emphasis on the impact of the cpoe process on the admission process it would be reasonable to suspect this sort of finding and Han et al should have specifically modeled this interaction effect. Al Dorzi et al. probably should just eliminate the sentence unless they want to comment on the lack of interaction modeling by Han et al.

2. P.17 line 13grammatical correction – replace “may have resulted in different outcomes” with might result in improved outcomes.

3. Conclusion leads the reader to believe that there was not enough time to see an effect. In fact, the authors demonstrate adequate power. While there might be some learning lag so I will not quibble with their wanting to mention need for extra time, I think their conclusion should more properly state “but its effectiveness in improving the outcomes in critically ill patients is unproven and may require ICU specific reengineering to achieve the goal of demonstrable mortality reduction.

4. P.19 last key message is unproven and should be eliminated eliminate “cpoe effectiveness may occur after longer period of implementation” Possibly replace with “CPOE effectiveness in the ICU may require ICU specific reengineering to achieve the goal of demonstrable mortality reduction.

5. Table 2. I do not know where the * or ** refer in the table. I can not find in the table the * or **.
If these issues are corrected the paper is an useful contribution and should be published.

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests.