PEER-REVIEW REPORT

Name of journal: *World Journal of Critical Care Medicine*

Manuscript NO: 76890

Title: Data Science in the Intensive Care Unit

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05483101

Position: Editorial Board

Academic degree: FIAC, MD

Professional title: Assistant Professor

Reviewer's Country/Territory: Malaysia

Author's Country/Territory: China

Manuscript submission date: 2022-04-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-04-11 23:55

Reviewer performed review: 2022-04-13 02:13

Review time: 1 Day and 2 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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

statements	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

An interesting article suitable for editorial, discussing potential usefulness of artificial intelligence in managing huge ICU data. Some suggestions for further improvements:
• Suggest rewording the title. The title is not well understood by readers. What are micro and macro mean?   • Also suggest not to use abbreviation in title. ICU should be spelled in full. • Some definitions were missing in the manuscript, such as macro, micro, data science, etc with examples. • Despite the benefits, I suggest the authors to include a section focusing and discussing on the issues that may raise with the applications of AI in ICU settings.

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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

statements	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Nice topic