

PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 65408

Title: Extracorporeal membrane oxygenation and inhaled sedation in COVID-19-related acute respiratory distress syndrome

Reviewer's code: 05384798

Position: Peer Reviewer

Academic degree: BSc, FRCS (Gen Surg), MBBS

Professional title: Doctor, Research Associate, Research Fellow, Surgeon

Reviewer's Country/Territory: China

Author's Country/Territory: Germany

Manuscript submission date: 2021-03-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-03-09 02:51

Reviewer performed review: 2021-03-09 03:41

Review time: 1 Hour

Scientific quality	<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 Grade E: Do not publish
Language quality	<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
Conclusion	<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
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

Great manuscript and was a privilege professionally reviewing this manuscript, no special highlight errors detected . Good luck on publications.

PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 65408

Title: Extracorporeal membrane oxygenation and inhaled sedation in COVID-19-related acute respiratory distress syndrome

Reviewer's code: 05433027

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Germany

Manuscript submission date: 2021-03-08

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-04-14 01:17

Reviewer performed review: 2021-04-14 03:05

Review time: 1 Hour

Scientific quality	<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
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<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
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	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

Sedation during ECMO is an important treatment measure to ensure the progress of treatment, and intravenous preparation is the routine choice. The author suggests that the use of absorption anesthetics as the choice of ECMO treatment is a very interesting problem, and it also provides one more option for sedation and analgesia during ECMO

PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 65408

Title: Extracorporeal membrane oxygenation and inhaled sedation in COVID-19-related acute respiratory distress syndrome

Reviewer's code: 05516181

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Germany

Manuscript submission date: 2021-03-08

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-04-15 00:49

Reviewer performed review: 2021-04-15 02:50

Review time: 2 Hours

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



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SPECIFIC COMMENTS TO AUTHORS

The author presented that the technical details of administration of volatile anesthetics, including anesthetic gas reflection systems AnaConDa® and MIRUTM. Of course, these works are very useful for clinical work. However, Anesthetic inhalation can also be performed by connecting to an ECMO device. The tube that delivers the anesthetic gas can be connected to an oxygen tube, and a pipe for exhaust gas removal is connected to the outlet and the negative pressure device. The author could summerized other methods except for these device which you mentioned in the paper. The auothor should summerzied some disadvantage of this device in order to more understanding. Some clinical studies of Pubmed or Medline should also be fully summerized and analyzed in you paper .