



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Transplantation

**Manuscript NO:** 65325

**Title:** : Extra corporeal membrane oxygenation in lung transplantation: Indications, techniques and results

**Reviewer's code:** 00482530

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Director

**Reviewer's Country/Territory:** United Kingdom

**Author's Country/Territory:** Italy

**Manuscript submission date:** 2021-03-04

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-09 15:38

**Reviewer performed review:** 2021-03-18 17:46

**Review time:** 9 Days and 2 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" 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



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#### **SPECIFIC COMMENTS TO AUTHORS**

This review examines the use of ECMO in association with lung transplantation. It provides a nice overview of the various techniques of ECMO (VV, VA, VVA), and the appropriateness of use of ECMO as bridge to transplantation, intraoperative ECMO, and post-operative ECMO. Consequently, it provides the reader with all the potential scenarios when ECMO could be useful. The manuscript needs editing by a native English speaker! There are many instances when words are missed out (primarily, 'the' and 'a', but other also). In addition, the text does not flow because the authors have used paragraph format for almost every sentence!



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Transplantation

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**Title:** : Extra corporeal membrane oxygenation in lung transplantation: Indications, techniques and results

**Reviewer’s code:** 02494453

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Consultant Physician-Scientist, Doctor, Senior Researcher

**Reviewer’s Country/Territory:** Greece

**Author’s Country/Territory:** Italy

**Manuscript submission date:** 2021-03-04

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-04 09:52

**Reviewer performed review:** 2021-03-22 08:14

**Review time:** 17 Days and 22 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>Language quality</b>	<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
<b>Conclusion</b>	<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
<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



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#### **SPECIFIC COMMENTS TO AUTHORS**

In this manuscript authors have performed a review of the literature for the topic Extracorporeal membrane oxygenation in Lung transplantation. This is a nicely well-written narrative review in a hot topic performed by a clinical and research team with relevant expertise. I have only minor comments to add. Minor comments I would suggest adding relevant figures illustrating ECMO configurations Please discuss further the indications for VV-ECMO versus VA-ECMO versus VVA-ECMO. Selection of ECMO configuration might be challenging particularly if hypoxia and / or hypocapnia are combined with haemodynamic compromization and viceversa. Please clarify what are the proposed clinical, metabolic and haemodynamic criteria for each configuration. This information would be essential for the readers of the review.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Transplantation

**Manuscript NO:** 65325

**Title:** : Extra corporeal membrane oxygenation in lung transplantation: Indications, techniques and results

**Reviewer's code:** 02494453

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Consultant Physician-Scientist, Doctor, Senior Researcher

**Reviewer's Country/Territory:** Greece

**Author's Country/Territory:** Italy

**Manuscript submission date:** 2021-03-04

**Reviewer chosen by:** Jia-Ru Fan

**Reviewer accepted review:** 2021-04-15 07:31

**Reviewer performed review:** 2021-04-15 11:27

**Review time:** 3 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>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>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



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No further comments to add.