# PEER-REVIEW REPORT

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

**Manuscript NO:** 80072

**Title:** Primary graft dysfunction following lung transplantation

**Provenance and peer review**: Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 03291438

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Surgeon

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

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

**Manuscript submission date:** 2022-09-16

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-09-16 08:43

**Reviewer performed review:** 2022-09-23 06:43

**Review time:** 6 Days and 22 Hours

| Scientific quality | [ ] Grade A: Excellent   [ ] Grade B: Very good   [ Y] Grade C: Good<br>[ ] Grade D: Fair   [ ] Grade E: Do not publish |
|---|---|
| Language quality | [ ] Grade A: Priority publishing   [ Y] Grade B: Minor language polishing<br>[ ] Grade C: A great deal of language polishing   [ ] Grade D: Rejection |
| Conclusion | [ ] Accept (High priority)   [ Y] Accept (General priority)<br>[ ] 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

The authors have addressed all the comments and have revised their manuscript accordingly. I have no further comments and questions.

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

**Manuscript NO:** 80072

**Title:** Primary graft dysfunction following lung transplantation

**Provenance and peer review**: Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05851920

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Academic Research, Research Assistant, Staff Physician, Surgeon

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

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

**Manuscript submission date:** 2022-09-16

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-10-16 14:02

**Reviewer performed review:** 2022-10-16 15:30

**Review time:** 1 Hour

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[  ] Grade D: Fair  [  ] Grade E: Do not publish |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

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

## SPECIFIC COMMENTS TO AUTHORS

Thank you for giving me the opportunity to review the manuscript of Sanjeet Singh Avtaar Singh et al. entitled "Primary graft dysfunction following lung transplantation - from pathogenesis to future frontiers ". The authors wrote a review on the primary graft dysfunction based on current evidence.  The review proposed by the authors is very interesting and deals with a highly topical topic. Furthermore, it is comprehensive and updated. The manuscript is written well enough, and the English language should be verified just only for minor spelling and grammar mistakes.

# PEER-REVIEW REPORT

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

**Manuscript NO:** 80072

**Title:** Primary graft dysfunction following lung transplantation

**Provenance and peer review**: Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 02441085

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2022-09-16

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-10-16 09:16

**Reviewer performed review:** 2022-10-24 08:54

**Review time:** 7 Days and 23 Hours

| Scientific quality | [  ] Grade A: Excellent    [ Y] 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** | [  ] Accept (High priority)    [ Y] Accept (General priority) [  ] 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

The authors provide an in-depth analysis of the epidemiology, pathophysiology, risk factors, outcomes, and future frontiers involved in mitigating primary graft dysfunction. The current diagnostic criteria are examined alongside changes from the previous definition. They highlight the issues surrounding chronic lung allograft dysfunction and identify the novel therapies available for ex-vivo lung perfusion. Although primary graft dysfunction remains a significant contributor to 90-day and 1 year mortality, ongoing research and development abreast with current technological advancements have shed some light on the issue in pursuit of future diagnostic and therapeutic tools.