

Peer Review File

Article information: <https://dx.doi.org/10.21037/jtd-23-300>

Reviewer A

Sepsis is one of the main causes of death in critically ill patients. In this study, a bibliometric analysis was conducted to provide a preliminary analysis of the current research status in sepsis-related immunosuppression. The authors found most of the studies were conducted in developed countries in Europe and America. Chinese researchers need to carry out more collaborative research.

1. I suggest the author state the research gap this study covered in the Background of Abstract.

Reply: We revised the abstract. Please check it in the manuscript. Thanks.

Changes in the text: Please check it in the manuscript. Thanks.

2. Please explain the reason that the authors did not use CNKI and Wanfang, or other databases.

Reply: The main reason that we did use CNKI and Wanfang, or other database for this study is that SCI-E database is the main database for bibliometrics analysis, and secondly, CNKI and Wanfang are both Chinese database, which are not accepted by most foreign investigators due to language barrier.

Changes in the text: None.

3. What is the clinical significance of this study? What help will it provide to clinician or other investigators?

Reply: We stated this in the highlight box.

Changes in the text: Please check the highlight box.

4. What's your suggestion for future related research?

Reply: We stated this issue in the last two paragraph of discussion section.

Changes in the text: Please check the last two paragraph of discussion section.

Reviewer B

1. Please state the necessity and clinical significance of this study in the introduction.

Reply: We revised the abstract. Please check it in the manuscript. Thanks.

Changes in the text: Please check it in the manuscript. Thanks.

2. How to increase cooperation between countries or institutions?

Reply: We added some contents in the discussion section.

Changes in the texts: page 10, line 15-17: As for cooperation, we recommend that Chinese investigators adopt more multicenter clinical research, or conduct more related research with investigators from other different disciplines.

Reviewer C

1. Please check the full name of “HLA-DR”. Is it correct?

9 systems and is manifested by an increased release of anti-inflammatory cytokines, the
10 apoptosis of immune cells, the decreased expression of human leukocyte DR antigen
11 (HLA-DR), pyroptosis, and the increased expression of PD-1 and PD-L1 (4,22,23).←

Reply: We revised it as “human leukocyte antigen DR (HLA-DR)”.

2. Figure 6:

The citation of Figure 6 is in the wrong place. Please revise.

11 colleague of Monneret, and Moldawer from the University of Florida College of
12 Medicine in the United States (US), who specializes in surgery. A further analysis
13 showed that the main specialized areas of the researchers were surgery, followed by
14 anesthesia, and immunology, which were also related to the disciplinary settings of
15 different countries and research institutions (Figure 6, Table 1). The results of the

Reply: We revised this according to your comment.

3. Figure 7:

There is no the journal *Organ Transplantation and Immunology* in your Figure 7 but you mentioned it in the text. Please check.

23 The results of the analysis of the journals (Figure 7) revealed that most of the articles
24 in this field had been published in critical care-related journals, such as *Shock*, *Critical*
25 *Care*, and *Critical Care Medicine*, followed by professional journals, such as *Organ*
26 *Transplantation and Immunology*. According to Bradford’s law, the core journals in the

Reply: Thanks. We delete “, followed by professional journals, such as *Organ Transplantation and Immunology*” in the text.