



PEER-REVIEW REPORT

Name of journal: *World Journal of Meta-Analysis*

Manuscript NO: 83823

Title: Childhood cancer: Haploidentical bone marrow transplant and the improved survival of patients with acute lymphocytic leukemia

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06272301

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

Manuscript submission date: 2023-02-10

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-02-11 05:54

Reviewer performed review: 2023-02-20 12:49

Review time: 9 Days and 6 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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input checked="" type="checkbox"/> Grade D: No creativity or innovation



Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input checked="" type="checkbox"/> Grade D: No scientific significance
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 type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" 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

The Haploidentical hematopoietic stem cell transplantation (Haplo-HSCT) is a promising method to cure leukemias and myelodysplasias in children by their family members, but many problem in this treatment limit its application. It is very necessary to estimate efference and damage of Haplo-HSCT. This study aims to clarify the current research of Haplo-HSCT to date. However, some flaws in study designs have resulted in a low level of confidence in the conclusion. Systematic reviews are considered as a high level of evidence due to its comprehensive and structured approach to identifying selecting, and synthesizing all relevant studies, which were not shown in this manuscript. So I am sorry to suggest to reject it. 1. The search strategy did not guarantee the accuracy and comprehensiveness of the author’s search results. Authors should search more results in other data bases, such as Embase, Web of Science and Cochrane Library. 2. The study didn’t estimate the risk of bias in study, which make conclusion lack of credibility. Author should survey each study design carefully and report more potential sources of bias in studies. 3. Different ethnicities have variations in the incidence and major types o leukemia and myelodysplastic syndromes. The author



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included studies from different countries without further specification.



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Peer-review model: Single blind

Reviewer’s code: 04383865

Position: Peer Reviewer

Academic degree: MBChB, MD, PhD

Professional title: Assistant Professor

Reviewer’s Country/Territory: United Arab Emirates

Author’s Country/Territory: Brazil

Manuscript submission date: 2023-02-10

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-03-21 06:04

Reviewer performed review: 2023-03-27 19:15

Review time: 6 Days and 13 Hours

Scientific quality	<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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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 type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" 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

The authors have nicely discussed an interesting topic regarding the haploidentical HSCT in pediatrics which can be very valuable for many medical centers. The manuscript is well-written and well-organized. Some extra English revision and editing revision for the abbreviations is needed. However, the paper included only 16 articles which is very low to draw a strong conclusion. Additionally, I missed the final conclusion as I was hoping that the authors would suggest the best model/conditions for the haplo HSCT (age, diagnosis, clinical conditions, conditioning regimen, etc.) Below some details comments/suggestions in order to improve the manuscript: 1. Abstract: a. Very long abstract that make it boring and confusing to read. b. The authors should be consistent with the abbreviations (either to include or exclude the full name according to the journal guidelines). c. The discussion section should be totally removed. d. Few sentences about the conditioning regimen should be added. 2. Results a. It is sad that the authors didn't have access to the paid articles that should have enriched the manuscript. It will be great if they can reach them via their institutional account or even with the help of their friends. They may change the study conclusion as the 16 articles



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may not be enough for accurate conclusion. b. The abbreviation "PSCB" is, to the best of my knowledge, is not correct and should be replaced by "PBSC" in all the manuscript. c. It is not clear if all patients have received post-transplantation cyclophosphamide or not? d. Since the patients received different conditioning regimens, it will be great if the authors can suggest the best one for Haplo HSCT. e. One major missing information is the liver status before and after transplantation. f. Also, the SOS incidence is missing in the patients' outcome. g. In the last paragraph (Ref 23), the authors did not mention what chemotherapy regimen was given to the patients. 3. Conclusion, as mentioned previously, it is missing the best model/conditions for Haplo HSCT.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

Manuscript submission date: 2023-02-10

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-04-24 11:20

Reviewer performed review: 2023-04-24 13:15

Review time: 1 Hour

Scientific quality	<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
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
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

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

SPECIFIC COMMENTS TO AUTHORS

The authors have made substantial revisions. I suggest to accept it.