

PEER-REVIEW REPORT

Name of journal: *World Journal of Cardiology*

Manuscript NO: 86375

Title: Cardiovascular complications following medical termination of pregnancy: An updated review

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05430684

Position: Peer Reviewer

Academic degree: MD, MSc, PhD

Professional title: Consultant Physician-Scientist, Research Fellow

Reviewer's Country/Territory: Greece

Author's Country/Territory: United States

Manuscript submission date: 2023-06-20

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-06-20 16:36

Reviewer performed review: 2023-06-21 10:51

Review time: 18 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 Grade E: Do not publish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 checked="" 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 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 type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

I have carefully studied the manuscript entitled "Cardiovascular complications following medical termination of pregnancy: An updated review" by Singh T et al. The manuscript refers to an interesting though rarely discussed topic. The information provided is concise and well-organised, thus being useful for the specialized medical personnel. The manuscript has been already reviewed by three external reviewers, while the authors have adequately responded to their suggestions making several necessary changes and corrections. However, the manuscript contains a lot of typos to be corrected. Moreover, the quality of the language definitely needs amelioration.

Minor issues - Abstract: Consider rephrasing "In conclusion, cardiovascular complications post termination of pregnancy are rarely described in the literature." - Materials and Methods: Please amend "we reached out to the authors" for "we directly contacted the authors". - Materials and Methods: Please consider amending "Two independent reviewers independently screened the abstracts" for either "Two reviewers independently screened the abstracts" or "Two independent reviewers screened the abstracts". - Discussion: Please amend "US.1" for "US". - Discussion: Please amend



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"inflammation." for "inflammation". - Discussion: Please amend "myocarditis.1" for "myocarditis.". - Discussion: Please amend ".Despite the above study" for "Despite the above study". - Core tip" Please amend ". bradyarrhythmia " for ". Bradyarrhythmia ". - Table 2: Please amend "Asprin" for "Aspirin". - Table 2: Please amend "levosimenden" for "levosimendan". - Table 2: Please consider amending "Hypo/akinses" for "Hypo/akinsia". - Table 2: Amend "inferio-septal" for "inferoseptal".

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Reviewer's code: 00742373

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: United States

Manuscript submission date: 2023-06-20

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-07-28 08:17

Reviewer performed review: 2023-07-29 05:28

Review time: 21 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
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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 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

SPECIFIC COMMENTS TO AUTHORS

The manuscript titled “Cardiovascular complications following medical termination of pregnancy: A updated review” analyzed recent literature about the cardiovascular complications following medical termination of pregnancy. Results demonstrated that infective endocarditis and takotsubo cardiomyopathy were the most common complications. In addition, Group B streptococcus was found the most infective causation and the tricuspid valve were the most place of infective endocarditis. Medical treatment consistently brought clinical recovery. There were many publications on the complication following termination of pregnancy but few of those were on cardiovascular disease. This manuscript provided facts and contributed towards better understand the prevention and management of cardiac complications following termination of pregnancy. Especially it provided information of the epidemiology, causation, complication characteristics of the cardiovascular complications after termination of pregnancy. Comments for improvement: 1. Suggest add keywords: termination of pregnancy 2. Minor grammar improvements: no capital needed in abstract line 9 ? 3. List numbers should be the same style and complete: Introduction



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paragraph 2. 4. Reference number in the manuscript should be the same style and accordance with the journal requirement. 5. The title of the figures and tables should be improved. 6. Table 1 and 4 were too complicated and unclear. In conclusion, this manuscript chose a good topic on cardiovascular complication following medical termination of pregnancy. It provided helpful information to better understand the causation, epidemiology and medical management to prevent complications of medical terminations of pregnancy. Results were believable, analysis were logical, writing was well. It need more improvement in the figures and tables.

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Peer-review model: Single blind

Reviewer's code: 05151620

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Academic Research, Doctor, Lecturer, Senior Research Fellow

Reviewer's Country/Territory: Indonesia

Author's Country/Territory: United States

Manuscript submission date: 2023-06-20

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-07-29 13:35

Reviewer performed review: 2023-08-07 00:36

Review time: 8 Days and 11 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 type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input checked="" type="checkbox"/> Grade D: No novelty
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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

This article discusses the evolving legal landscape of abortion in the United States and its implications, particularly focusing on the cardiovascular complications that can arise following medical termination of pregnancy (MTP). Some aspects need to be evaluated:

- The methodology used in the meta-analysis should be listed and described. It may be possible to add a supplement
- the definition of cardiovascular complication that used in the study should be explained in the methodology.
- Statistical analysis should be included in the method
- Several studies have reported cardiovascular complications following abortion, for example a study by Harry Kyriacou and others, "The risk of cardiovascular diseases after miscarriage, stillbirth, and induced abortion: a systematic review and meta-analysis", European Heart Journal Open, Volume 2, Issue 5, September 2022, oeac065, <https://doi.org/10.1093/ehjopen/oeac065>. What is novelty of the present study?
- The vocabulary employed in the manuscript exhibits a considerable amount of repetition.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Cardiology*

Manuscript NO: 86375

Title: Cardiovascular complications following medical termination of pregnancy: An updated review

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00742373

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: United States

Manuscript submission date: 2023-06-20

Reviewer chosen by: Jing-Jie Wang

Reviewer accepted review: 2023-08-24 01:22

Reviewer performed review: 2023-08-25 02:34

Review time: 1 Day and 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 type="checkbox"/> Accept (General priority) <input checked="" 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

It is obviously that the revised manuscript was improved greatly. Based on the high quality requirements, some part of the manuscript need improvement. Specifically, the tables need to simplify and improvement. 1. Minor grammar improvements: page 5, reference 3 2. Table 1, table 2, and table 3 in the manuscript, need simplify and improvement