

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 70461

Title: Multiple miscarriages in a female patient with two-chambered heart and situs inversus totalis: A CASE REPORT

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04213446

Position: Editorial Board

Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: China

Manuscript submission date: 2021-08-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-18 12:10

Reviewer performed review: 2021-08-18 12:47

Review time: 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 Grade E: Do not publish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 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 checked="" type="radio"/> Anonymous <input type="radio"/> Onymous Conflicts-of-Interest: <input type="radio"/> Yes <input checked="" type="radio"/> No
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SPECIFIC COMMENTS TO AUTHORS

It's a excellent work to present the extremely rare case with two-chambered heart, total situs inversus, accompanied by multiple pregnancies and abortions. The author should clarify some questions: 1. In "case summary" section, "a birth history of cyanosis" is not a clinical presentation, and it's a personal history. 2. In "final diagnosis", the author concluded " missed abortion due to Complex congenital heart disease.....". How to confirm the relationship? What is the possible mechanism for it? 3. In this article, many sentences and expressions should be polished and modified by native English speaker. For example, "One day post-operation", "reported no medication use routinely", etc.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03769068

Position: Editorial Board

Academic degree: PhD

Professional title: Adjunct Professor, Professor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: China

Manuscript submission date: 2021-08-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-18 12:00

Reviewer performed review: 2021-08-23 17:43

Review time: 5 Days and 5 Hours

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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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
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SPECIFIC COMMENTS TO AUTHORS

This is a rare, interesting and well-documented case report.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05506329

Position: Peer Reviewer

Academic degree: MBBS, MD

Professional title: Attending Doctor

Reviewer's Country/Territory: Nepal

Author's Country/Territory: China

Manuscript submission date: 2021-08-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-19 15:23

Reviewer performed review: 2021-08-25 07:27

Review time: 5 Days and 16 Hours

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 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="radio"/>] Anonymous [<input type="radio"/>] Onymous
	Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No

SPECIFIC COMMENTS TO AUTHORS

Thank you and congratulations to the team for bringing such a interesting case to the medical community. It is written well. There are few suggestions, which can help to further polish the manuscript. Title is not clear in itself. "Multiple miscarriages accompanied by two-chambered heart and total situs inversus in a female patient: A case report". I think it is better to rephrase as " Multiple miscarriages in a female patient with two-chambered heart and total situs inversus". You can modify on your own way too. Abstract: conclusion needs to be written considering the key message that you want the reader to have. Case Description: Line 80: It might be better not mention date of presentation as this will help to track the patient and break her confidentiality. Line 82: check spelling "menelipsis". Line 97 check spelling "shen". Was it a missed abortion or incomplete abortion? Please check the standard definition of these terms or other types of abortion and mention the one that suits the case. Conclusion section is missing in the body of the manuscript. Please make a separate conclusion section. In conclusion, try to include key message of the study. limitations and recommendations. References need correction for upper cases/lower case, use of parenthesis, and other grammatical corrections. Legend for figure 3 is lengthy. It is better to remove the part that is already mentioned in the body of manuscript. Whole of the manuscript needs revision for use of proper English or else can be reviewed by a native English speaker. There are few punctuations errors too, which need correction.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05374991

Position: Peer Reviewer

Academic degree: MD

Professional title: Attending Doctor, Instructor, Research Assistant

Reviewer's Country/Territory: Syria

Author's Country/Territory: China

Manuscript submission date: 2021-08-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-18 07:55

Reviewer performed review: 2021-08-26 23:21

Review time: 8 Days and 15 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
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 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
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SPECIFIC COMMENTS TO AUTHORS

General Impression: The authors reported the case of a patient that had a two-chambered heart and recurrent abortions. Regarding the rarity of these cases, the scientific value of this manuscript seems satisfactory. However, the manuscript should be revised extensively prior to publication. Additionally, the language should be revised carefully as it is hard to be understood. Comments: 1) The conclusions section of the abstract should be rewritten. The authors wrote the follow-up and clinical outcomes in the conclusions instead of writing them in the case presentation. The conclusions should highlight the most important findings and clinical recommendations of the manuscript. While the case presentation should contain all the relevant information. Please revise the abstract accordingly. 2) In the core tip and introduction sections, the term "embryo damage" is unclear since it is not usually used by embryologists nor gynaecologists. It should be replaced with an appropriate medical term depending on the meaning the authors wanted to transmit. I recommend writing "abortions". 3) The case presentation section is not written appropriately. It is difficult to understand the exact timing of the events the patient had. This is mainly because the authors confused the patient's history with the current complaints. Besides, the authors did not adhere to the journal's guidelines in reporting the patient's case. I heavily recommend rewriting the case presentation section entirely taking into consideration the journal's guidelines and separating the past complaints from the current presentation. 4) In the case presentation section, the authors should clarify in the main text that the chromosome analysis was performed for both the blood cells and the villus tissue. 5) After a careful reading of the manuscript, I disagree with the authors about the conclusion



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"Two-chambered heart has deleterious effects on pregnancy". The authors mentioned that the patient was active and asymptomatic before pregnancy and after abortion, with cyanosis episodes when crying and having cold (stress). This in turn demonstrates that the hemodynamic changes during pregnancy have deleterious effects on cardiac function. Additionally, poor cardiac function may lead to insufficient uterine perfusion and a subsequent abortion. This is my own interpretation of the patient's case, I suggest at least discussing it in the manuscript. If the authors agree with it, I suggest mentioning this in the conclusion section of the abstract and the main text. 6) The authors are missing an important citation that dates back to 1977. A case similar to this case reached the 25th week of gestation. Additionally, the authors of that correspondence agree with my postulation that pregnancy negatively affects cardiac function. I attached the paper to this review just in case the authors do not have access to the American Journal of Obstetrics and Gynecology (PMID: 556664).

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Peer-review model: Single blind

Reviewer's code: 05374991

Position: Peer Reviewer

Academic degree: MD

Professional title: Attending Doctor, Instructor, Research Assistant

Reviewer's Country/Territory: Syria

Author's Country/Territory: China

Manuscript submission date: 2021-08-17

Reviewer chosen by: Ji-Long Wang (Online Science Editor)

Reviewer accepted review: 2021-11-24 04:54

Reviewer performed review: 2021-11-24 08:54

Review time: 4 Hours

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 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

I carefully reviewed the revised manuscript and I confirm that the authors followed all the recommendations. I believe that the manuscript's quality was significantly improved. I have no additional comments. I thank the authors for their efforts.

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Reviewer's Country/Territory: Nepal

Author's Country/Territory: China

Manuscript submission date: 2021-08-17

Reviewer chosen by: Ji-Long Wang (Online Science Editor)

Reviewer accepted review: 2021-11-24 02:12

Reviewer performed review: 2021-11-24 15:12

Review time: 13 Hours

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



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

SPECIFIC COMMENTS TO AUTHORS

It is appreciable that the author had put lots of effort to improvise the manuscript. Here are few more suggestions: It is better to mention the period of gestation at the time of presentation in history of present illness section. Please provide SI unit for BMI in examination section. There are still few grammatical and typographical errors. Reference 10 has unnecessary parenthesis enclosing title of the study.