

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 70646

Title: Effect of Mirena Placement on Reproductive Hormone Levels at Different Time Intervals after Artificial Abortion

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06074575

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2021-09-09

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-09-14 08:32

Reviewer performed review: 2021-09-26 13:29

Review time: 12 Days and 4 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 Grade E: Do not publish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 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
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**Peer-reviewer
statements**

Peer-Review: [☒] Anonymous [☐] Onymous

Conflicts-of-Interest: [☐] Yes [☒] No

SPECIFIC COMMENTS TO AUTHORS

I read this manuscript with great interest, and found this manuscript is very well written. Placement of an intrauterine device, such as the Mirena, after an artificial abortion can improve the disturbance of menstrual disorders on the basis of effective contraception, and can prevent uterine adhesions. The most effective time for intrauterine device placement after artificial abortion is still uncertain, and the analysis of sex hormones and adverse reactions after intrauterine device placement is insufficient. In this point of view, this study is very interesting, and the results are significance for clinicians. Minor comments: 1. A minor language polishing should be revised. 2. The results are well discussed. However, the limit of the study should be discussed also. 3. The tables are good, but require an editing.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06074583

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Australia

Author's Country/Territory: China

Manuscript submission date: 2021-09-09

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-09-14 08:30

Reviewer performed review: 2021-09-26 14:02

Review time: 12 Days and 5 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
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Conflicts-of-Interest: [☐] Yes [☒] No

SPECIFIC COMMENTS TO AUTHORS

Placing an IUD one month after the artificial abortion surgery may increase pain in the patient and result in a second surgery, which lowers the acceptance among patients. Some researchers found that it is effective to implant the IUD immediately after an artificial abortion. In this study, the authors examined the clinical effects in women with IUD placement immediately after abortion surgery and those women who had IUD placement at later time in a second surgery. The study is overall very displayed. The reviewer recommends to accept this manuscript after a minor editing. The reviewer doesn't special comments to the authors.