

PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 55063

Title: Role of pulsed electromagnetic fields after joint replacements

Reviewer's code: 02921008

Position: Editorial Board

Academic degree: DDS

Professional title: Academic Research, Doctor

Reviewer's Country/Territory: Iran

Author's Country/Territory: Italy

Manuscript submission date: 2020-03-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-03-12 23:47

Reviewer performed review: 2020-03-22 13:09

Review time: 9 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 Grade E: Do not publish
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 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 is a good but very short review article. Please expand on the content and make it more comprehensive. It would be better to convert it into a systematic review and fulfill all the PRISMA checklist items. Please add an abstract. The references are too few. I would suggest expanding the review.

PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 55063

Title: Role of pulsed electromagnetic fields after joint replacements

Reviewer's code: 02445886

Position: Peer Reviewer

Academic degree: DSc, PhD

Professional title: Chief Doctor

Reviewer's Country/Territory: Russia

Author's Country/Territory: Italy

Manuscript submission date: 2020-03-01

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-04-20 10:21

Reviewer performed review: 2020-04-21 10:36

Review time: 1 Day

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 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 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 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

This review presents the current knowledge on pulsed electromagnetic fields (PEMFs) effects in joint replacement surgery and reports the results of clinical studies and current indications. The authors selected currently available prospective studies to evaluate the effects of PEMFs on recovery, pain relief and patients' satisfaction following hip, knee or shoulder arthroplasty. All the studies analyzed reported no adverse effects, and good patient compliance to the treatment. Thus, PEMFs may be considered as a safe treatment, generally well tolerated by the patients. However, further studies should be conducted on the long-term effects of PEMFs on implants integration and survival. The title reflects the main subject of the manuscript. the abstract and key words reflect the main topics of the entire text. The review is informative and helpful. The table captures information concisely and is illustrative of the paper contents. The review cites the relevant and important references and gives a complete picture of the topic. I suggest to accept the manuscript with no specific comments.