

PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 59440

Title: Osseointegration of Porous Titanium and Tantalum Implants in Ovariectomized Rabbits: a Biomechanical Study

Reviewer's code: 02708249

Position: Editorial Board

Academic degree: PhD

Professional title: Full Professor

Reviewer's Country/Territory: France

Author's Country/Territory: Ukraine

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Reviewer chosen by: Le Zhang

Reviewer accepted review: 2020-12-11 08:25

Reviewer performed review: 2020-12-17 13:01

Review time: 6 Days and 4 Hours

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|---------------------------------|---|
| 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 Grade E: Do not publish |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: <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

The aim of this paper is to examine the strength of bone-implant osseointegration of three porous titanium and one porous tantalum materials in normal and osteoporotic bone in rabbits. The paper is well written, however some grammatical typos should be fixed. The study is well described. Limitations of the study are the size of the sample and the use of one type of test to evaluate implant stability, but this does not devalue the study. Section "Study design" How was osteoporosis development confirmed on the 10 rabbits (5 non-OVX and 5 OVX), after months ? Explanation given by authors is not clear/convincing enough.