

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Orthopedics

**Manuscript NO:** 57579

**Title:** Factors predisposing to thrombosis after major joint arthroplasty

**Reviewer's code:** 05282550

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Greece

**Manuscript submission date:** 2020-06-18

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2020-06-26 03:32

**Reviewer performed review:** 2020-06-26 10:19

**Review time:** 6 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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**

1. This is an observational and prospective study. The current general rule is to recommend clinical trial registration regardless of whether there is intervention. 2. The main purpose of this study is to evaluate the impact of patients' coagulation profile and of specific pharmacologic factors, in the development of post-arthroplasty thrombosis. Although the author conducted the experimental design, the quality control of related confounding factors should be improved. For example, knee joint replacement requires the use of bone cement, and whether bone cement affects the occurrence of thrombosis; it is necessary to use a tourniquet in knee replacement surgery and whether the time of tourniquet has been described; whether the quality of the operation of the surgeon is controlled (Is the same doctor or a different doctor performing surgery). The inconsistency of the ground movement time after knee replacement and hip replacement surgery will also affect the clinical trial results. 3. Observational prospective experimental design require the calculation of sample size. It is not seen in the article.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Orthopedics

**Manuscript NO:** 57579

**Title:** Factors predisposing to thrombosis after major joint arthroplasty

**Reviewer's code:** 02710057

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Turkey

**Author's Country/Territory:** Greece

**Manuscript submission date:** 2020-06-18

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-06-19 06:43

**Reviewer performed review:** 2020-06-27 11:29

**Review time:** 8 Days and 4 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
<https://www.wjgnet.com>

#### **SPECIFIC COMMENTS TO AUTHORS**

I read with interest “Factors predisposing to thrombosis after major joint arthroplasties” and applaud the authors on their data collection diligence, concise introduction of the topic, clear description of especially the undefined impact of different types of anticoagulants on hematologic profile, well-constructed reference tables, and thorough discussion of this studies limitations with ideas for future study. This information will be a valuable scientific contribution to our field.