

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 54406

**Title:** Gene testing for osteonecrosis of the femoral head in systemic lupus erythematosus using targeted next-generation sequencing: A pilot study

**Reviewer's code:** 02543500

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Assistant Professor

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

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

**Manuscript submission date:** 2020-02-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-02-25 03:37

**Reviewer performed review:** 2020-03-15 02:37

**Review time:** 18 Days and 22 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 Grade E: Do not publish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 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**

Interesting study. Epidemiological studies suggest that systemic lupus erythematosus is the most common autoimmune disease to be the primary cause of steroid induced osteonecrosis of the femoral head. However, only some patients with systemic lupus erythematosus receiving steroid administration ultimately develop osteonecrosis of the femoral head, and there are a number of patients with systemic lupus erythematosus with osteonecrosis of the femoral head who have no experience of corticosteroid treatment. Gene polymorphisms that affect coagulation, metabolic factors, mechanical stresses, immunologic factors, and fibrinolytic systems have been identified and some of these genes have been suggested to be involved in systemic lupus erythematosus with osteonecrosis of the femoral head. In this study, Sun et al investigated whether patients with systemic lupus erythematosus with osteonecrosis of the femoral head have a genetic predisposition to osteonecrosis of the femoral head in systemic lupus erythematosus, the identification of which might lead to more efficient diagnosis, evaluation, and even prevention of the disease. The design of the study is well, and the manuscript is well written. 1. Title. I suggest to change the title to "Gene testing for osteonecrosis of the femoral head in systemic lupus erythematosus using targeted next-generation sequencing: A pilot study"; 2. Methods are described in detail, sample size is acceptable. 3. Results are good. Data in tables are clear, and interesting. 4. Discussion is acceptable. Results are well discussed with updated references. 5. References list required an editing according to the journal's guideline. 6. Overall the manuscript is well written, however, a minor language editing is required. Some minor language polishing should be revised.

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**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 54406

**Title:** Gene testing for osteonecrosis of the femoral head in systemic lupus erythematosus using targeted next-generation sequencing: A pilot study

**Reviewer's code:** 02458675

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2020-02-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-02-25 03:29

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**Review time:** 18 Days and 23 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 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



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

This study is very interesting. I recommend to accept it for publication after a minor language editing.