

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 78472

Title: Bilateral occurrence of sperm granulomas in the left spermatic cord and on the right epididymis: a rare case report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02482011

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: China

Manuscript submission date: 2022-06-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-06-29 09:28

Reviewer performed review: 2022-07-03 10:42

Review time: 4 Days and 1 Hour

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 Grade E: Do not publish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



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**Peer-reviewer
statements**

Peer-Review: ☒ Anonymous ☐ Onymous

Conflicts-of-Interest: ☐ Yes ☒ No

SPECIFIC COMMENTS TO AUTHORS

Revision requirieds

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

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Position: Editor-in-Chief

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Reviewer's Country/Territory: France

Author's Country/Territory: China

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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 Grade E: Do not publish
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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

Comments on the manuscript: "Bilateral occurrence of sperm granulomas in the left spermatic cord and on the right epididymis: a rare case report" Sperm granuloma usually diagnosed on the basis of postoperative histopathological and immunohistochemical examination is common in unilateral nodules. The manuscript concerns a case of sperm granuloma observed in the left spermatic cord and on the right epididymis of a 46-year-old patient, with a recurrence 3 months after surgical resection. This case brings new elements which will certainly be useful for the understanding of this pathology. however, the manuscript requires some improvements before it can be considered for publication Page 2, line 39: in the abstract, paragraph "background", the authors say that "sperm granuloma is a rare disease", and, just after, that "sperm granuloma is common in unilateral nodules". There is an inconsistency between "rare" and "common". I guess this is a question of expression and the sentence could be changed. Page 4, line 117. Laboratory examinations. This part needs to be described in more detail. What were the techniques used? Looking at the photos, I saw that hemalun-eosin staining was used, which is not shown here: specify this part. For immunohistochemistry, give some details on the antibodies used (name of antibody, manufacturer or distributor, reference?) What was the technique used? The direct or indirect immunohistochemical method? If it's an indirect, what was the second antibody with its references? What was the staining method (peroxidases or other?), the chromogen? What controls were used? This part needs to be rewritten with more details. It would be useful to add at least one imunohistochemical staining image with one of the antibodies and an inset showing a control section. Page 6, line 154: what does

"and so on" mean, what could be the other causes? Please be more specific. Page 6, line 162. "There are three types of sperm granulomas": references would be helpful here. Page 6, line 173. "CDU images can reveal histopathological characteristics of tumors at different stages": references would be helpful here. Page 7, line 194: what does "and so on" mean? Please be more specific. Page 13, figure 2. This figure entitled "histopathological and immunohistochemical examination of the resected piece" only shows sections stained with eosin hemalum, therefore only a histopathological and not an immunohistochemical study. The caption needs to be changed. If the authors want to show an example of a stained immunohistochemical section (which I think is desirable), that should be added (with an insert showing the negative control). The technique has not been described in the materials and methods: what were the antibodies used (with references)? How were the negative controls performed? (see remarks above). A scale bar added to the image would be better than a magnification (which varies depending on the increase in the image related to editing). Page 14, figure 3: a scale bar or ruler near the scrotal mass would be helpful.