Name of journal: *World Journal of Orthopedics*

Manuscript NO: 78605

Title: Calcium pyrophosphate dihydrate crystals in a 9-year-old with osteomyelitis of the knee: A case report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 00070509

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer’s Country/Territory: South Korea

Author’s Country/Territory: United States

Manuscript submission date: 2022-07-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-07-11 23:36

Reviewer performed review: 2022-07-12 02:32

Review time: 2 Hours

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<th>Scientific quality</th>
<th>[ ] Grade A: Excellent</th>
<th>[ ] Grade B: Very good</th>
<th>[ ] Grade C: Good</th>
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<th>Language quality</th>
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<th>Conclusion</th>
<th>[ ] Accept (High priority)</th>
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<td>[ ] Minor revision</td>
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| Re-review          | [ ] Yes | [ ] No |
SPECIFIC COMMENTS TO AUTHORS

Thank you for the opportunity to review this paper. I think this is an interesting manuscript entitled "Calcium Pyrophosphate Dihydrate Crystals in a 9-year-old with Osteomyelitis of the Knee: A Case Report." The article has scientific interest, is well written and results sound. however, I would like to make one suggestion to improve it: Figure 1 and 2 have only titles. Put the representative figure legends.
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Title: Calcium pyrophosphate dihydrate crystals in a 9-year-old with osteomyelitis of the knee: A case report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 03485016

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer’s Country/Territory: China

Author’s Country/Territory: United States

Manuscript submission date: 2022-07-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-07-12 14:30

Reviewer performed review: 2022-07-22 12:47

Review time: 9 Days and 22 Hours

Scientific quality

[ ] Grade A: Excellent  [ ] Grade B: Very good  [ Y] Grade C: Good
[ ] Grade D: Fair  [ ] Grade E: Do not publish

Language quality

[ ] Grade A: Priority publishing  [ Y] Grade B: Minor language polishing
[ ] Grade C: A great deal of language polishing  [ ] Grade D: Rejection

Conclusion

[ ] Accept (High priority)  [ ] Accept (General priority)
[ ] Minor revision  [ Y] Major revision  [ ] Rejection

Re-review

[ Y] Yes  [ ] No
SPECIFIC COMMENTS TO AUTHORS

The manuscript described a case of calcium pyrophosphate dihydrate crystals knee with osteomyelitis in a 9-year-old boy, which is extremely rare given so young an age and lack of genetic abnormalities or related metabolic conditions for CPPD. The case highlights the unidentified relationship between the concurrent osteomyelitis and CPP crystals in pediatric patient. However, there are still some concerns regarding the manuscript: 1) The osteomyelitis and soft tissue abscess were diagnosed only by MRI, were there any bacterial culture and drug sensitivity test outcome for diagnostic and therapeutic basis? 2) In patients at young age who present with CPPD disease, related iron studies and measurement of serum calcium and magnesium, alkaline phosphatase, parathyroid hormone are recommended for associated metabolic diseases, were these studies having been performed in the case for evidence? 3) The legends of figures described too simply.
RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Orthopedics*

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Peer-review model: Single blind

Reviewer’s code: 03485016

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer’s Country/Territory: China

Author’s Country/Territory: United States

Manuscript submission date: 2022-07-11

Reviewer chosen by: Yun-Xiaojian Wu

Reviewer accepted review: 2022-08-12 11:47

Reviewer performed review: 2022-08-12 13:21

Review time: 1 Hour

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<td>Conclusion</td>
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SPECIFIC COMMENTS TO AUTHORS
Thank you for responding to my issues and the corresponding revisions in the updated manuscript were acceptable.