Reviewer's report

Title: A Potential Risk Factor of Total Knee Arthroplasty: An Infected Baker's Cyst – A Case Report

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Reviewer: Jong-Hun Ji

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A Potential Risk Factor of Total Knee Replacement Arthroplasty: An Infected Baker's Cyst - A Case Report

This is an interesting paper, however, more detailed description of this patient should be described. Also, preoperative X-ray is not compatible with K-L grade 4 osteoarthritis. Several injection could be one of the causes of this infected baker's cyst. Also, intraoperative culture tests were negative. In the RA patient, these yellowish cyst was misdiagnosed as a infected bursa. We should be differentiated these differences between infected bursa and RA bursa. Also these should be mentioned in the manuscript.

Page 2

Line 14-16: Word "ago" or "prior" is better suited than previously.

Page 3

Line 33-38: The etiology of infection in this Baker's cyst in this case seems to be these injections of the knee joint. It requires more detailed description. Whether the aspiration was done in outpatient or operation room. The modality of painting and extent of draping. Whether aspiration was followed by any steroid injection which might have predisposed this RA patient for infection. The progression/ deterioration or status quo of the symptoms after each aspiration. Whether any antibiotics after aspiration were prescribed or not.

Line 41-46: Detailed description of mass and local area examination like signs of redness, raised temperature needs to be mentioned. Also WBC, ESR, CRP were elevated according to the laboratory data. Follow up of these Data should be needed.
Line 50. On plain radiography, osteoarthritis of Kellgren-Lawrence grade 4 (Fig. 2) was confirmed.

However, X-ray showed more K-L grade 2 or 3 rather than K-L grade 4. You should change this sentence.

Page 4:
Line 39-42: What was the criteria for diagnosis of RA and why was it diagnosed postoperatively needs to be clarified.

Page 5
Line 3-7: "The most common………is performed" line is unnecessary. Should be deleted

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
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Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
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Not relevant to this manuscript

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