Reviewer’s report

Title: Comparison of condylar morphology changes and position stability following unilateral and bilateral sagittal split mandibular ramus osteotomy in patients with mandibular prognathism

Version: 0 Date: 20 Jan 2019

Reviewer: Elif Yildizer Keris

Reviewer’s report:

Dear Authors, thank you for submitting your interesting paper.

Comments to Authors:

1- Abstract and Background;

- Page 2, in Abstract section; "Here, CBCT was performed before surgery (T0), immediately after surgery (T1), and 1 year postoperatively (T2). Differences of condylar sizes, condylar surface deviation…..

- Page 2, in Abstract section; "Condylar surface morphology changes at the deviated side of TMJ before and 1 year after the surgery…"

-Page 5, in Background section; "With the development of imaging technology, numerous CBCT-based analysis methods have been introduced to assess condylar remodeling. For comprehensive evaluation of condylar surface changes, 3D reconstructed models and a method of superimposition over the ramus region are necessary [8]."

Please explain the abbreviations before using.

2- Methods;

-Please insert anatomical landmarks/points and planes used in the study.

-TMJ dysfunction symptoms do not depend on only anatomical changes of the condyle and the position of the condyle in the glenoid fossa. Physiological adaptation during anatomical changes plays an important role in TMJ dysfunction symptoms. Physical examination findings of patients with symptoms of TMJ dysfunction should be included in the study and these findings should be compared at T0, T1 and T2 times.

3- Discussion,
- In the first and second paragraph, there is repeated information about USSRO and BSSRO. It has been already written in the Background section. Please eliminate the repeated information.

- We suggest the authors to include considerations about the limitations of the study.

**Level of interest**
Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

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