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: 18 Feb 2019

Reviewer: Tim Lloyd

Reviewer’s report:

Thank you, Interesting, controversial and a thought provoking topic.

Comments

1. Usually, facial asymmetries are pan-facial making midlines difficult to assess and accurately reproduce.

2. Inclusion criteria. Are you including only isolated hemi mandibular elongation cases (lateral torque only on the condyle) or hybrid elongation / hyperplasia cases (lateral and vertical torque on condyle) (Makek & Obwegesser)?

3. Study population demographics is not stated. Other studies have suggested males have a better ability to adapt to condylar position than females.

4. Was a standardized surgical procedure used? The length of the split, whether a Hunsuck modification was used and the method of bone fixation will all effect the condyle.

5. Though your study shows a USSRO can be used to safely to treat small mandibular asymmetries with a stable result of up to 1 year, the long term stability 5 years or more of the USSRO has not been reported nor have long term effects on the TMJ. I believe this should included in your conclusion.

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

An article of importance in its field

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