**Reviewer’s report**

**Title:** Facial soft tissue response to maxillo-mandibular advancement in obstructive sleep apnea syndrome

**Version: 0 Date: 24 Jan 2017**

**Reviewer:** Martin Gosau

**Reviewer's report:**

The article named: „Facial soft tissue response to MMF advancement in OSAS" dealing with aesthetic facial changes after MMF is well written. The soft tissue follows the subjacent bone. This is already well known. This article deals with a special group of patients and a different indication for operation. The treatment is not based on orthodontic considerations but on OSA.

The challenge with OSA patients is that large distances are planned for MMF advancement to widen the posterior airway space. Aesthetic aspects are considered to be less important.

In this article the high number of 37 OSAS patients are retrospectively evaluated regarding aesthetic outcome.

**Abstract:** Please name the medial advancement distances for the maxilla and mandible of the patients and the corresponding soft tissue changes of the Pogonion and the subnasal point.

**Introduction:** The counter-clockwise rotation is performed due to more advancement of the lower jaw in OSAS patients not due to the convexity of the upper lip.

**Material and Methods:** Why were all patients treated with counter-clockwise rotation? Why were four miniplates used for mandibular advancement? Please name the firm, strength and dimension of the miniplates used for MMF.

**Results:** no comment

**Discussion:** Please skip line 4-6 (Risk factors...cognitive alterations) Repetition of introduction.

Skip second paragraph, „In the past decades...OSAS treated by MMA", this is of no interest.

„The alar base cinch or nasalis muscle suture..." This description of the operative maneuver belongs in the Material and Method part. Please adjust.

**Level of interest**

Please indicate how interesting you found the manuscript:

An article of importance in its field
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