

عنوان مقاله:

The Impact of Mandibular Advancement Surgery on Upper Lip Length in Class II Patients

محل انتشار:

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خلاصه مقاله:

Introduction: One of the most common maxillofacial malformations is mandibular advancement, a class II malformation or malocclusion. One treatment is mandibular advancement surgery. This research aimed to investigate the effect of mandibular advancement surgery on upper lip length in class II patients. **Methods:** This retrospective study was conducted with ۱۶ patients having class II malformations who underwent mandibular advancement surgery. Data analysis was conducted using SPSS ۱۹. **Results:** Results showed that although height of philtrum increased after surgery, there was no significant difference in the height of the philtrum from before to after the mandibular advancement surgery ($p > ۰.۰۵$). Evaluation of the patients showed that although commissure height and vermilion height decreased after surgery, this difference was not statistically different ($p > ۰.۰۵$). However, there was a statistically significant difference between before and after commissure height ($p < ۰.۰۵$) at camouflage in patients. There was also a statistically significant difference in height of philtrum and vermilion between before and after camouflage in patients ($p < ۰.۰۵$). **Conclusions:** The results of this study suggest that mandibular advancement surgery plays a serious role in the clinical appearance of lip soft tissue, which can be used as a predictor of patient profile prior to surgery.

کلمات کلیدی:

Lip vermilion, upper lip, Philtrum, Mandibular

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