

عنوان مقاله:

Correlation between nasolabial angle and antero-posterior position of maxilla in orthodontic patients

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خلاصه مقاله:

Aim: Evaluation of facial shape and proportions is one of the most important steps in determining treatment options and outcomes. Balancing the position of the lips in relation to the nose and chin has a direct effect on patient aesthetic preference. Therefore the aim of this study was evaluation of the correlation between nasolabial angle and antero-posterior position of maxilla in orthodontic patients who referred to private dental office in Yazd city. **Material and Methods:** In this cross-sectional descriptive study position of maxilla were evaluated based on Mc. Namara and Steiner analysis in the lateral cephalometric radiographs of 47 orthodontics patients (21 male and 26 female). Nasolabial angle (NLA) and lower nasolabial angle (LNLA) were measured and correlation between these parameters were analyzed by ANOVA test and Pearson's correlation tests using SPSS (version 16). **Results:** Differences of Wit's appraisal SNA and Mc namara values among three groups of maxillary deficiency, maxillary excess and orthognatic patients were statistically significant ($p.value < 0.05$) but no correlation found among NLA or LNLA and maxillary position ($p.value > 0.05$). **Conclusion:** Due to compensation of skeletal problems by teeth, NLA can not describe position of maxilla perfectly.

کلمات کلیدی:

NLA, Maxillary Position, Mc Namara, SNA

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