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Effect of tongue thrust swallowing on position of anterior teeth.

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Source

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Abstract

BACKGROUND AND AIMS:

There is no consensus about the effect of tongue thrusting on incisor position. The purpose of this study was to evaluate the position of anterior teeth in growing children with tongue thrust swallowing.

MATERIALS AND METHODS:

In the present study ۱۹۳ subjects with an age range of ۹ to ۱۳ years participated. All the patients were examined by a trained investigator and those having tongue thrust swallowing were selected and the position of their anterior teeth was compared with a control group consisting of ۳۶ subjects with normal occlusion. Data was analyzed by independent sample t-test.

RESULTS:

Among the ۱۹۳ students who were examined in this study, ۱۰ cases (۵%) were diagnosed to be tongue thrusters. Overjet was significantly increased in tongue thrust individuals ($P < ۰,۰۵$), while the other variables were not statistically different from the controls ($P > ۰,۰۵$).

CONCLUSION:

The results indicated that tongue thrust may have an environmental effect on dentofacial structures. Considering the high incidence of tongue thrust in orthodontic patients, it is suggested that dental practitioners observe patients of all ages and those in all stages of orthodontic treatment for evidence of tongue thrust swallowing.