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The dentofacial morphology of bruxers versus non-bruxers

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ABSTRACT

The dentofacial morphology of 35 bruxers was compared with that of 28 non-bruxers. Direct head and facial measurements were made using anthropometric spreading calipers. Cephalic (head width vs. head length), facial (face height vs. face width), and “gonial” (gonial width vs. zygomatic width) indices were calculated, then headform and facial type were determined for all subjects. The findings demonstrated no difference in the dentofacial morphology between bruxers and non-bruxers (Chi square, $P \leq 0.05$). The predominant craniofacial type and dental morphology of both bruxers and non-bruxers were: dolichocephalic headform, euryprosopic facial type, and Angle Class I dental occlusion.

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