

عنوان مقاله:

Reliability of Cephalogram in Determining Skull Gender Dimorphism

محل انتشار:

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خلاصه مقاله:

Background The forensic anthropologists have been vastly studied the dimorphism in teeth, hair, pelvis, skull and in bone sizes. Objectives To investigate the gender dimorphic potential of cephalometric parameters. Materials and Methods Thirteen angular and twenty-one linear lateral cephalometric measurements were analyzed on randomly selected manual tracings of sixty-nine male and sixty-nine female cephalograms between the ages twenty to fifty years. Results 91.3% males correctly classified in the data, on the basis of discriminant function we made, similarly, 97.1% females were correctly classified in their specific group by the help of this discriminant function. The percentage of skulls correctly classified with this function was 94.2%. Conclusions 94.2% of original grouped cases correctly classified. For higher results extensive research with large sample size and both linear and angular cranial dimorphic traits for gender identification is proposed.

کلمات کلیدی:

Skull Dimorphism, Dental Radiology and Imaging, Lateral Cephalogram, Discriminant Function, Forensic Dentistry

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