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Original Articles

## Facial Soft Tissue Values in Persian Adults with Normal Occlusion and Well-Balanced Faces

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### Abstract

**Objective:** To determine the mean soft tissue facial profile for Persian adults as determined by the Holdaway analysis.

**Materials and Methods:** Lateral cephalometric radiographs for 62 Persian adults with normal occlusion were used.

**Results:** Persian adults have the same values of Holdaway soft tissue norms except for the skeletal profile convexity, H angle, basic upper lip thickness, and soft tissue chin thickness, which were increased in Persians in relation to Holdaway norms. When comparing men with women, the nose prominence ( $P < .001$ ), basic upper lip thickness ( $P < .001$ ), upper lip thickness ( $P < .001$ ), inferior sulcus to H line ( $P < .001$ ), and soft tissue chin thickness ( $P < .01$ ) were significantly increased in Persian men compared with Persian women.

**Conclusions:** Persian adults differ from Holdaway's soft tissue norms in an increased skeletal profile convexity, H angle, basic upper lip thickness, and soft tissue chin thickness. These are recommended for use when formulating a treatment plan for this ethnic group.

**Keywords:** [Holdaway norms](#), [Persian adults](#)

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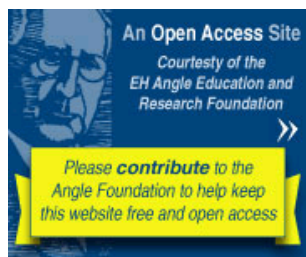
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