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## Facial Measurements as Predictors of Width and Length of Maxillary Anterior Teeth

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### ABSTRACT

**Background-** Appearance of face is great concern to everyone, as it is a significant part of self-image. One of the major hurdles in clinical Prosthodontics has been the selection and replacement of maxillary anterior teeth in the absence of pre-extraction records.


**Aim-** The aim of the study was to find the association between dimensions of various facial landmarks and size of anterior teeth in Chhattisgarh population.

**Materials and Method-** A total of 100 dentulous individuals were chosen for this study.

The sample comprised of 50 males and 50 females ranging in age from 18 to 35 years. In the study the extraoral landmarks include the length of the face, bizygomatic width, philtrum width and head circumference. Intraoral landmarks include combined width of maxillary anterior teeth, combined width of central incisors and length of central incisors.

**Conclusion-** Sears cephalometric index with Head circumference divided by 13 was better predictor than with bizygomatic width divided by 3.3 followed by philtrum width. Therefore the Sears cephalometric index is a highly valid indicator of anterior teeth selection and is used to assist clinicians to calculate maxillary teeth width in completely edentulous patients with absence of pre-extraction records. Pounds formula for selection of anterior teeth is also a predictable indicator for selection of length of central incisors.

**Keywords:** Intraoral and extraoral landmarks, selection of anteriors.

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