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## Facial Biometrics : Important guides in diagnosis and planning in upper anterior Dental Oral Rehabilitation

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**Background/ Objectives and Goals:** The goal of present study is to determine the individual shape and dimensions for the permanent upper central incisors, for the oral rehabilitation patients, based on the facial and biometrics measurements.

**Methods:** A group of 20 young dentate volunteers were photographed and captured their faces and their permanent upper central incisors. Using virtual measurements, the following dimensions were determinate for each participant: the inter-pupillar distance (IPd), inter-zigomatic distance (IZd), the horizontal dimension of the facial contour on the occlusion plane (Hd), the vertical dimension of the facial contour on the medial-sagittal plane (Vd) and the fascial contour and the central permanent upper incisor contour. Based on the measurements and face contour, the overlap of photographs was made using digital Software.

**Expected Results/ Conclusion/ Contribution:** The average measurements obtained are:(Ipd= 62 mm) for the inter-pupillar distance, (Izd=135 mm) for the inter-zigomatic distance, (Hd=114 mm) for the horizontal dimension and (Vd=110 mm) for the vertical dimension. On the other hand, by virtual overlap of the two contours (the facial contour and the permanent upper central incisor's contour) and their afferent surfaces, a similarity between the face shape and the shape of the permanent upper central incisor was highlighted with up to 90% mach. The oral rehabilitation treatment can be done individually and integrated for each patient, in harmony with facial biometrics.

**Keywords:** oral rehabilitation, facial biometrics, permanent upper central incisor, face shape

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