

Nasal deformity in subjects with class III facial deformities [Deformidad nasal en sujetos con deformidad facial clase III]

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Dentofacial deformities present some shades and variations that determine the inclusion of different anatomical components as part of the disease; the aim of this study was to ascertain the nasal characteristics in patients with a Class III dentofacial deformity. A descriptive study was conducted on 20 patients diagnosed with a Class III facial deformity and a surgical indication; frontal and lateral as well as CT images were taken to analyze variables of nasal morphology and deformities associated with the nasal bridge, tip and septum. The results showed that the nasal angles are outside normal parameters and that the basal width of the nose is approximately 3 mm smaller than the intercanthal width; 45% of the subjects have lateral deviations, 50% bridge deformity and 80% septum deviation. It is concluded that there are nasal deformities in subjects with a Class III facial deformity and that this component must be carefully evaluated in the preoperative stage. © 2015, Universidad de la Frontera. All rights reserved.

Facial deformity

Facial morphology

Nasal deformity