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Orthognathic surgery: Vertical malocclusions

Patients today usually recognize irregular teeth or obvious jaw deformities and seek treatment from orthodontist, who can improve tooth alignment, function, and facial aesthetics. Dentofacial deformities require both orthodontics and surgery. These deformities affect physical oro-facial function in several ways. Approximately 30% of patients seeking treatment have a vertical increase in the lower third of the face. Because of the excessive vertical growth of the maxilla, the mandible trends to rotate downward and backward. These patients have problems in the anteroposterior plane. Patients with long faces can be described as being class I rotated to class II or as class III rotated to class II. Lip incompetence due to the excessive vertical growth of maxilla results in mouth breathing which eliminates the physiologic effect of the nose on breathing. The combination of surgery and orthodontics makes it possible to treat dentofacial deformities at ease. This paper highlights the importance in diagnosis and treatment planning, which would provide a predictable and stable outcome in vertical malocclusion associated with skeletal class II and class III patients by orthognathic approach.

Biography

Kaushik Prakash is on a mission to serve the community by bringing out the best smiles amongst people with mal-aligned teeth. Trained as an Orthodontist, he has years of work experience in both academic and clinical knowledge in usage of Pre-Adjusted Edgewise Appliance and Lingual Orthodontics and also a certified provider of the Invisalign System of Aligners designed to provide aesthetic orthodontic solutions. He works as an Assistant Professor at the Faculty of Dental Sciences, Meenakshi Academy for Higher Education and Research University, Chennai. He has a passion towards treatment modalities in regards to Pre and Post - Surgical Orthodontics for Orthognathic Surgery.

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