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Correction of Vertical Maxillary Excess with Le Fort I Osteotomy: A Case Report

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Abstract

Vertical maxillary excess (VME) is one of the significant developmental deformities which is present with excessive vertical growth of the maxilla, which often results in a long facial appearance, incompetence of lips and a gummy smile. Patients with VME apart from aesthetic concerns, there can be functional limitations such as occlusal and speech. Treatment options VME mainly involves orthodontic and surgical interventions. Le Fort I osteotomy being the best treatment approach as it allows for the superior repositioning of the maxilla. This case describes the effectiveness of Le Fort I osteotomy in correction of VME and improving the facial esthetics.

Keywords: genioplasty, gummy smile, Le Fort I osteotomy, vertical maxillary excess