

18. Ridge expansion technique in implant prosthodontics

Nayana Anasane

DR. D. Y. Patil Dental College, dr. D. Y. Patil Vidyapeeth

Patients with narrow, knife-edged ridge crest pose a significant challenge to successful oral rehabilitation with endosseous dental implants. Although ridge augmentation can help to restore ridge volume, grafting procedures can significantly increase patient morbidity, costs and treatment time. A bone enlargement technique, called the ridge expansion osteotomy (reo) allows the surgeon to widen the ridge in a routine office procedure. Bone expansion technique has been used primarily to expand the bone in maxillary arch where the bone density is usually d3 and d4 type. This paper will highlight on the advantages, disadvantages, indications, contraindications, various techniques and complications of ridge expansion osteotomy.

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