

Maxillary alveolar ridge augmentation using distraction osteogenesis: a literature review and case report

The restoration of the edentulous atrophic anterior maxillary ridge has proved difficult. The absence of both gingival and bony alveolar tissue contributes to these problems. Numerous techniques to address these issues have been described.

We report a case of a patient who sustained multiple facial injuries as a consequence of an accident, including the loss of the maxillary incisor teeth and associated alveolus. This patient underwent fixed implant supported prosthetic rehabilitation, following the use of distraction osteogenesis in the reconstruction of the edentulous atrophic anterior maxillary ridge.

Authors:

Conor Barry¹ BDentSc, MFD

Peter Shorten² BDS, NUI

Rory O'Rorke³ BDS, NUI

Gerard Kearns⁴ FDS, FFD, FRCS

¹Senior House Officer

⁴Consultant

Department of Oral & Maxillofacial
Surgery, Mid Western Regional
Hospital, Limerick

²Dental Practitioner,

O'Connell Ave, Limerick

³Dental Practitioner, Thurles

Co Tipperary

Address for correspondence:

Mr Gerard Kearns

Department of Oral and
Maxillofacial Surgery
Mid Western Regional Hospital
Limerick
Ireland

Tel: 00353-61-482304

Fax 00353-61-482302

Email gkearns@mwhb.ie