



## Control of vertical alveolar ridge resorption - case report

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**INTRODUCTION** - In our case report we will illustrate the indication for ridge augmentation prior to the placement of endosseous dental implant. Periodontitis can result significant destruction of the alveolar ridge. When damage to the alveolar ridge is extensive after extraction that implant installation would compromise prosthesis the extraction site should be treated with bone bovine substituent.

**and AIM**

**CASE REPORT** - A 27 year old female patient visits our clinic with Periodontitis on the right mandibular first molar. It was decided to remove the tooth and reconstruct alveolar ridge so that implant could be placed in a sufficient volume bone. The tooth was extracted, sockets were debrided and grafted with bone bovine substituent. Implant placement occurred 8 months after extraction of the tooth. After 4 months implant placement prosthetic restoration was made.

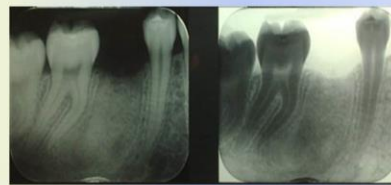
**RESULTS** - Surgical reconstruction of these tissues and the procedure of ridge augmentation and subsequent placement of dental implant are necessary.



X - ray before the extraction



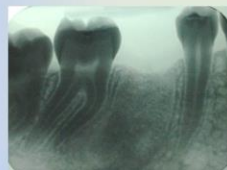
Bone bovine substituent



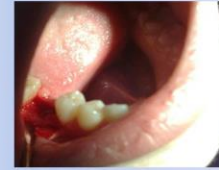
After bone addition (alveolar preservation)



Control x-ray before the implant placement



Clinical photos before the implant placement



Control x-ray after implant placement



After 4 months



Control x-ray with supra structure



**CONCLUSION** - Advantages of an augmented alveolar ridge with sufficient bone volume to adjust for uncompromised and esthetic implant placement, renders these procedures more than effective for majority of patients.