

Simultaneous Lateral Sinus Floor Augmentation

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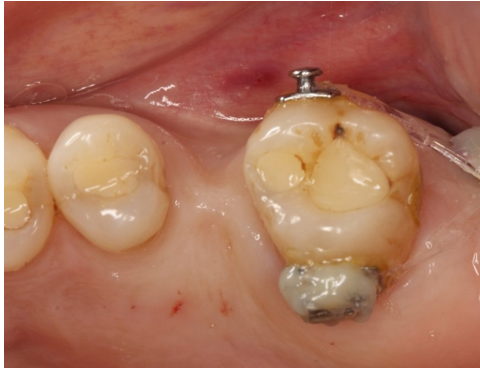


Patient History

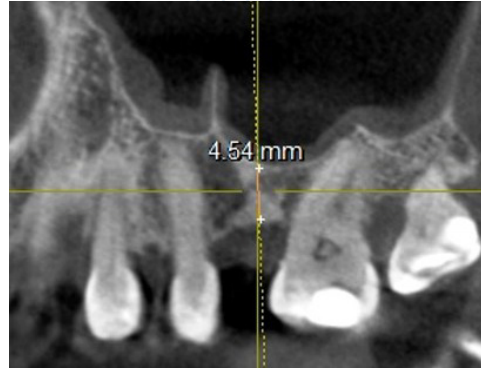
A 56-year-old female patient presented with a missing maxillary left first premolar (tooth #14). Clinical examination revealed mesial tipping of tooth #15, resulting in insufficient mesiodistal space for implant placement and prosthetic rehabilitation in the #14 position. In addition, horizontal and vertical alveolar ridge atrophy was observed in the edentulous area.

Process & Conclusion

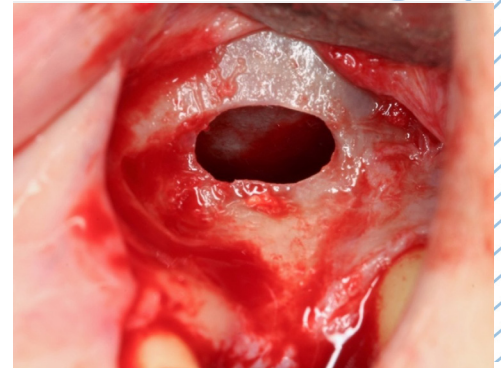
Clinical and radiographic follow-up demonstrated successful implant osseointegration, stable peri-implant tissues, and favorable hard tissue regeneration.



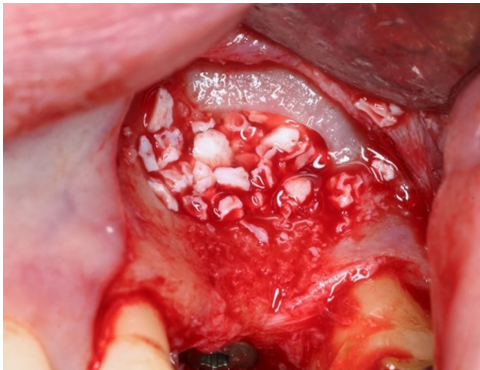
Preoperative intraoral view.



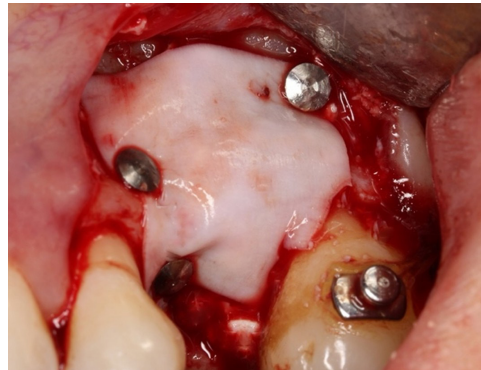
Preoperative CBCT of the site #14.



Elevation of the Schneiderian membrane through a lateral window approach.



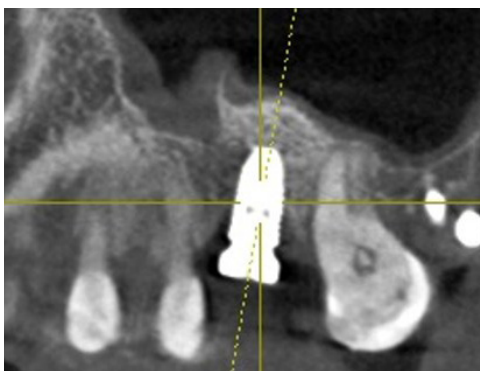
Implant and InterOss® placement.



Horizontal GBR performed using InterOss® and membrane placement.



Tension-free primary wound closure achieved with horizontal mattress and suturing.



CBCT evaluation obtained 6 months postoperatively demonstrating successful sinus augmentation.



Final prosthetic outcome.