



# Case Study

## Delayed Replacement of Maxillary Right 1<sup>st</sup> and 2<sup>nd</sup> Premolars with Tapered Screw-Vent and Zimmer® Trabecular Metal™ Dental Implants in Low-Density Bone

### Case#1

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## Case Study Dr. Edgard El Chaar

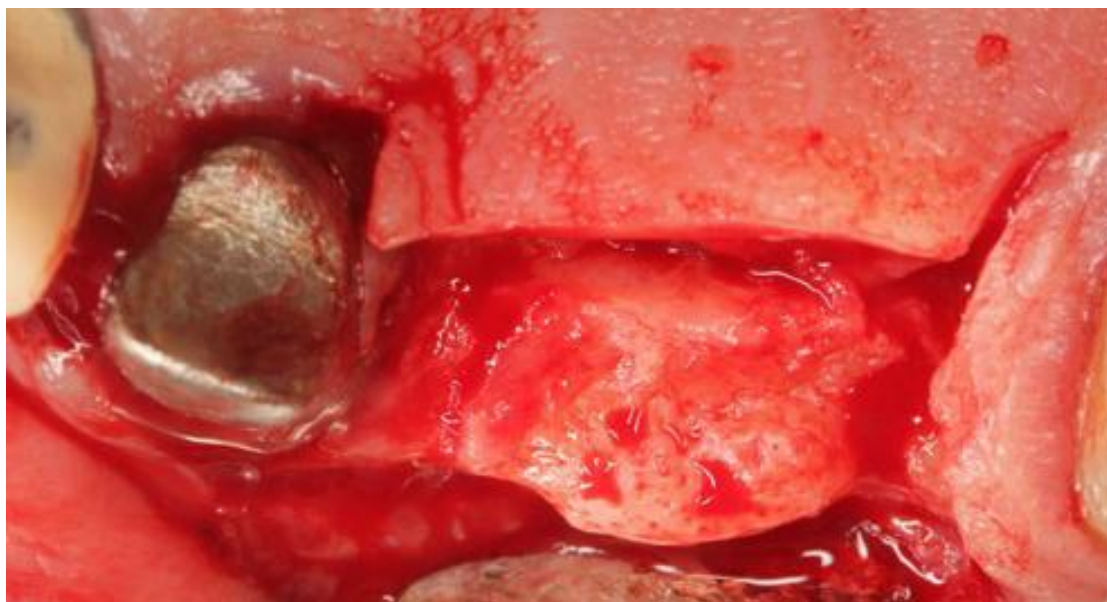


### CAT Scan of Patient

**A 60-year-old partially edentulous male with missing maxillary right 1<sup>st</sup> and 2<sup>nd</sup> premolars presented with a failed bridge in Type III to Type IV bone.**



## Case Study Dr. Edgard El Chaar



**Surgical exposure of the edentulous site showed a wide, flat ridge adequate for placement of two dental implants.**



## Case Study Dr. Edgard El Chaar

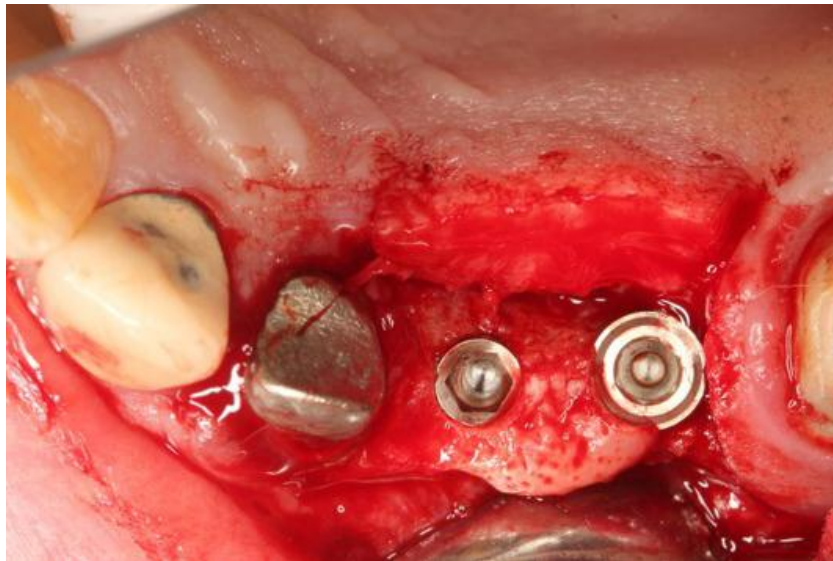


**During preparation of two implant osteotomies, Type III to Type IV bone was observed in the 2<sup>nd</sup> premolar location, so a *Zimmer® Trabecular Metal™* Dental Implant, 4.7 mm x 11 mm, was delivered and placed in the site.**





## Case Study Dr. Edgard El Chaar

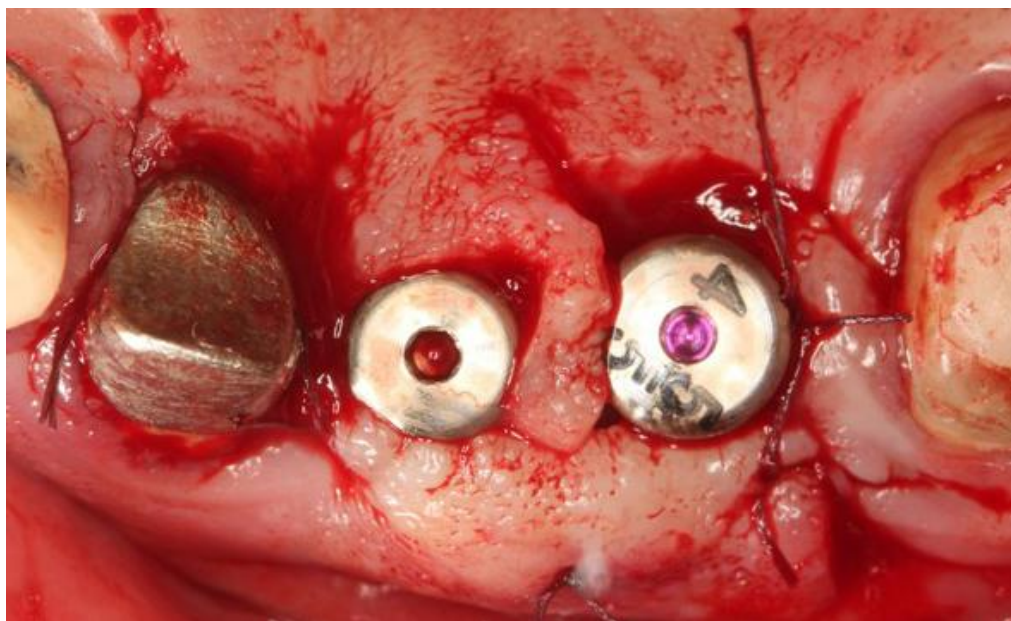


**Occlusal view of the surgical site shows a *Tapered Screw-Vent* Dental Implant, 3.7 mm x 11 mm, placed in the maxillary right 1<sup>st</sup> premolar site and a *Zimmer® Trabecular Metal™* Dental Implant, 4.7 mm x 11 mm, placed in the 2<sup>nd</sup> premolar site.**

**Note the spacing between the implant and natural teeth.**



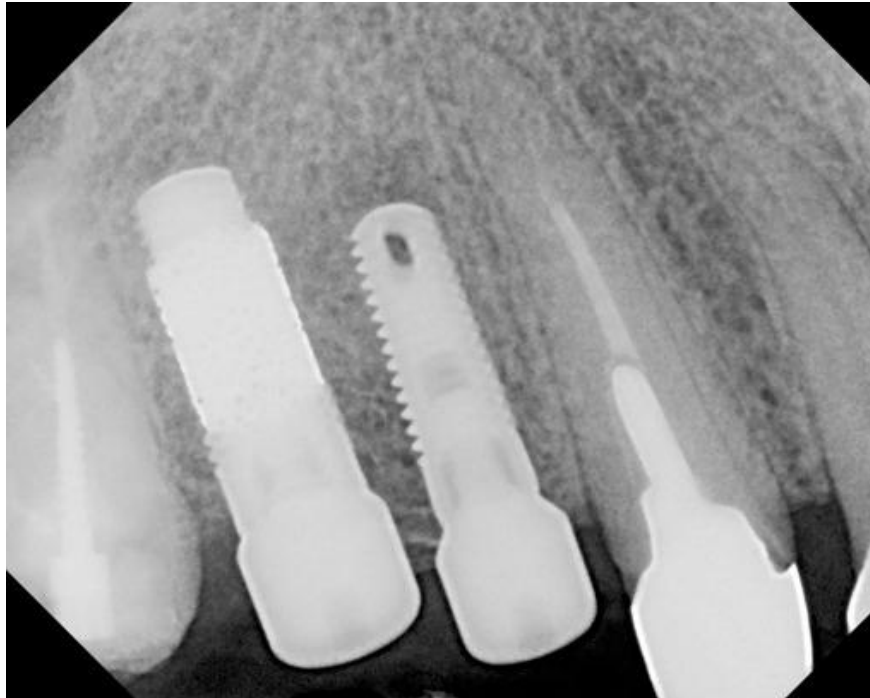
## Case Study Dr. Edgard El Chaar



**After healing collars were attached to the implants, the soft tissues were approximated and sutured around the healing collars.**



## Case Study Dr. Edgard El Char

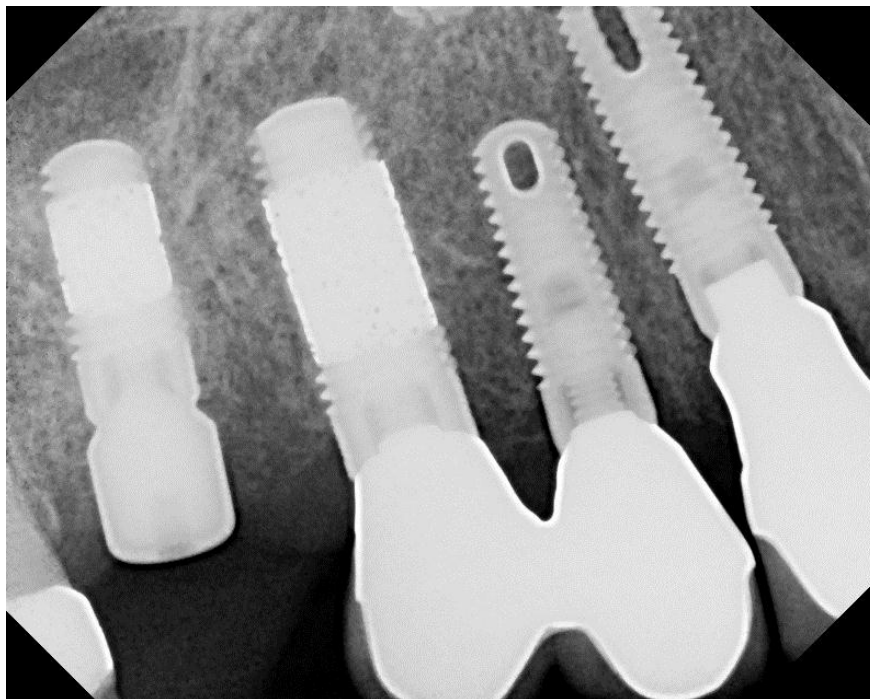


**Post-operative periapical radiographs show the Zimmer® Trabecular Metal™ and Tapered Screw-Vent Dental Implants during nonsubmerged healing.**





## Case Study Dr. Edgard El Char



**One year post-implantation and six months loading post-restoration. Final restoration. Additional *Trabecular Metal™* and *Tapered Screw-Vent* implants were placed in the interim.**