

A MINI-TRANSITIONAL IMPLANT SUPPORTED PRECISION-MILLED BAR OVERDENTURE

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ABSTRACT

A patient presented with edentulous maxilla and partially edentulous mandible was treatment planned to receive implant-supported fixed partial dentures. The patient was diagnosed with bone quality 2 and bone shape A according to Branemark's classification. The favorable combination of good quality, shape, width, and height of bone allowed us to place 8 Nobel Biocare endosseous implants and 7 Mini-Transitional Implants (MTI) from Dentatus,USA in the maxilla. A modified restorative technique is presented here for the transitional overdenture. A precision-milled bar was prepared as the framework to support the overdenture. This prosthesis has the following advantages: (1) Providing protected healing of submerged implants, (2) Cross arch stabilization, rigidity, stability, and superior retention of the overdenture, (3) Maintaining vertical dimension of occlusion (VDO). (4) Allowing patient to preserve function, phonetics, and esthetics shortly after implant surgery, (5) Palatal coverage of the denture is eliminated, improving comfort, taste, and reduction of potential "gag" reflex, and (6) Ease of Oral Hygiene.