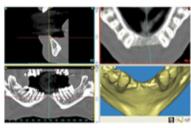
FLAPLESS COMPUTER GUIDED SURGERY AND CAD/CAM CUSTOMIZED ABUTMENTS IN CRITICAL PROSTHETIC SITUATIONS: CASE REPORT

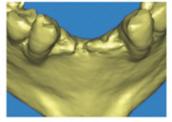
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INTRODUCTION

We reported a one year follow-up clinical case regarding a rehabilitation of lower incisors. In this case the rehabilitation was complex from the surgical and prosthetic points of view. Infact the residual ridge presented a small bone quantity in the horizontal dimension due to the buccal bone resorption and a reduced prosthetic space in the mesio-distal aspect.





MATERIALS AND METHODS

During September 2009, a male patient 51year old came to our observation with the absence of all lower incisors. The patient presented a removable prosthesis with mesio-distal little teeth dimensions unsatisfactory in the esthetic and the functional aspects.

After the CT DentaScan examination we noted a reduced quantity of bone in the re-sidual ridge horizontal aspect due to the buccal bone resorption. After a diagnostic wax-up accepted from the patient we plan-ned the insertion of two implants (3,5x11 e 3,5 x 13 mm - Astra Tech, Sweden) using Facilitate software.

After the computerized planning and the plaster model realization we obtained a resin surgical guide with a dental support in order to perform a flapless surgery. After 60 days from the first surgery we taken an impression in order to realize customized abutments using CAD/CAM Atlantis technique (Astra Tech, Sweden) and 4 metal-cera-

CONCLUSIONS By means of CAD/CAM procedures we solved a complex clinical case from the surgical and prosthetic points of view performing a minimally invasive flapless surgery with a satisfactory esthetic result. After a clinical and radiographic one year follow-up the patient presented the soft tissues in perfect conditions and an excellent maintenance of marginal bone.

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Placement of Surgiguide





Implant holder after the final placement



After the Surgiguide removal











Final prosthesis at the buccal aspect



Final prosthesis at the lingual aspect

