

Mandibular Rehabilitation with Conus-Retained Implant Overdenture. A Case Report

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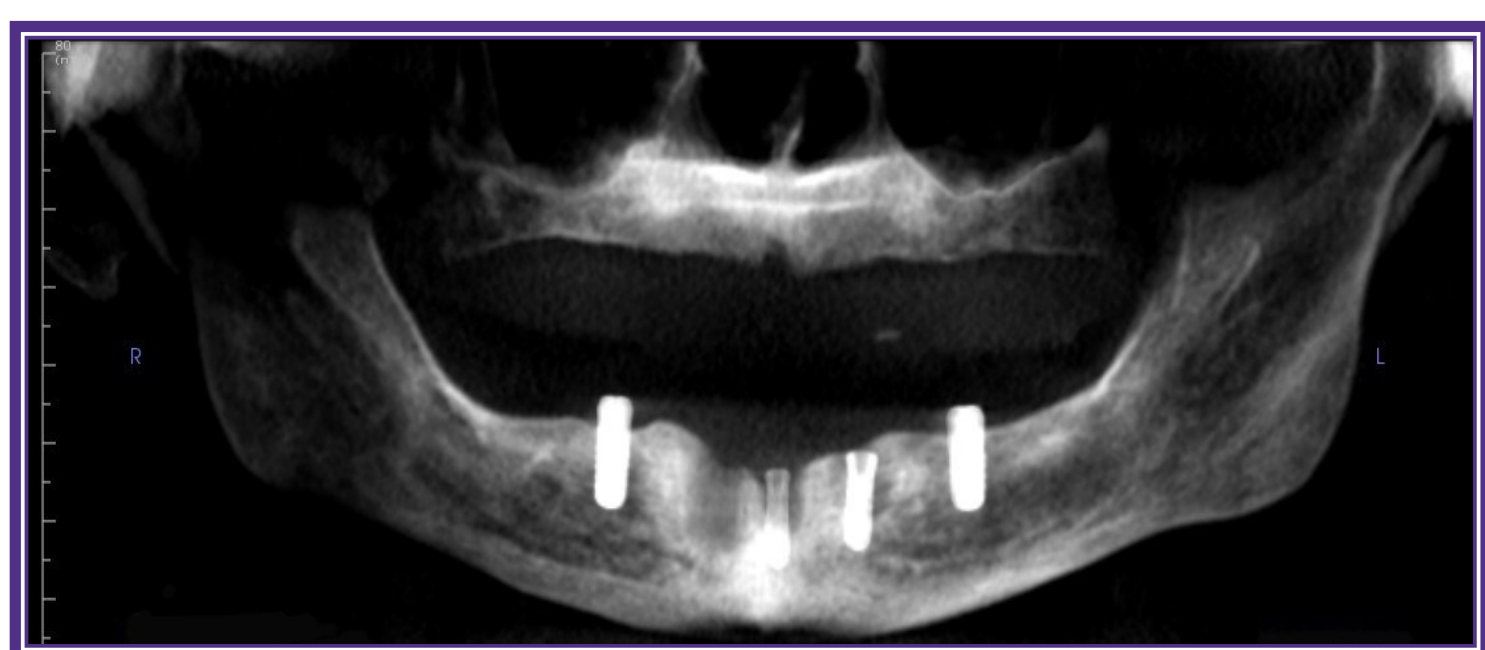
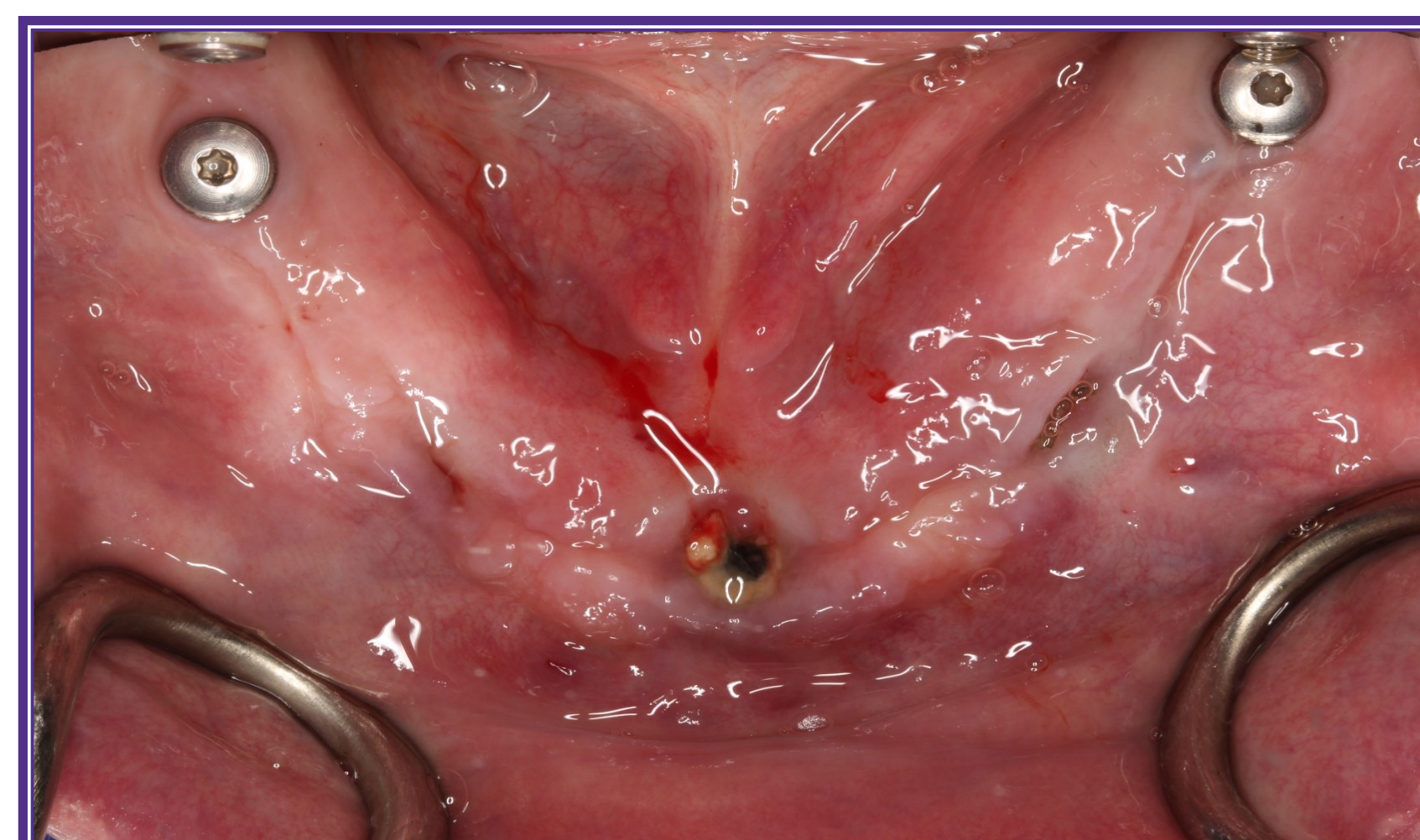
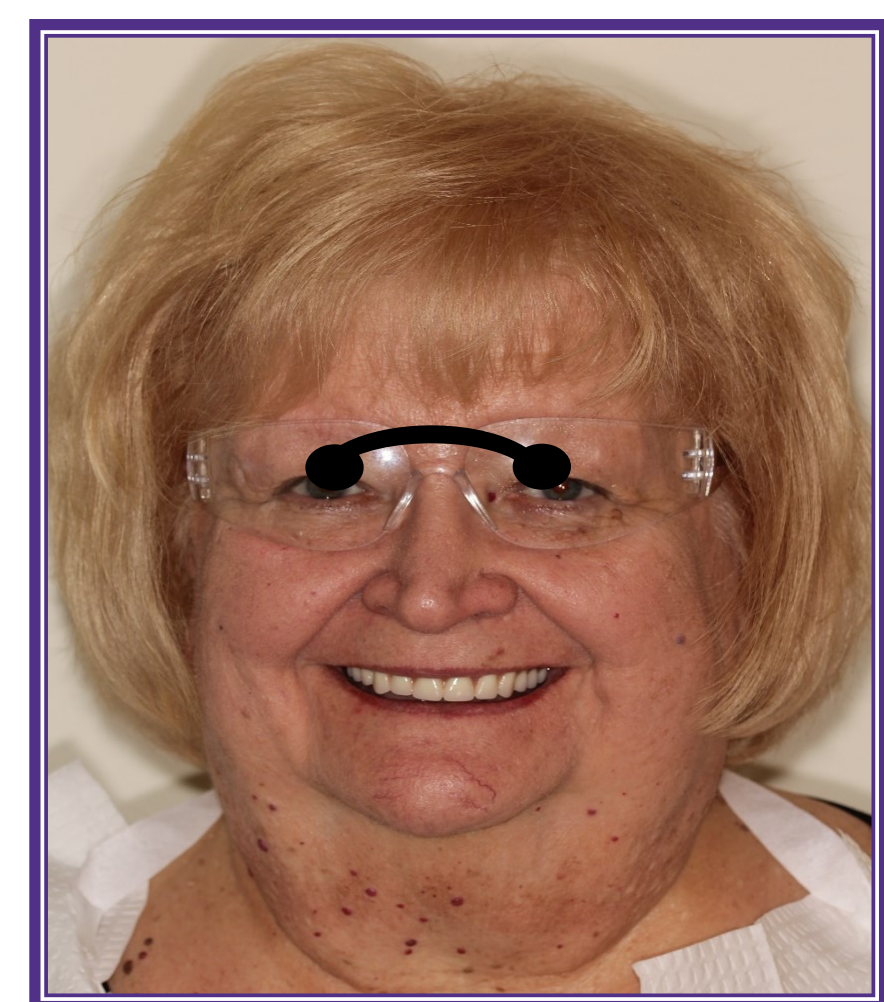
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2018



Introduction

The patient presented to the Department of Prosthodontics with five mandibular implants, three of which were diagnosed with peri-implantitis.

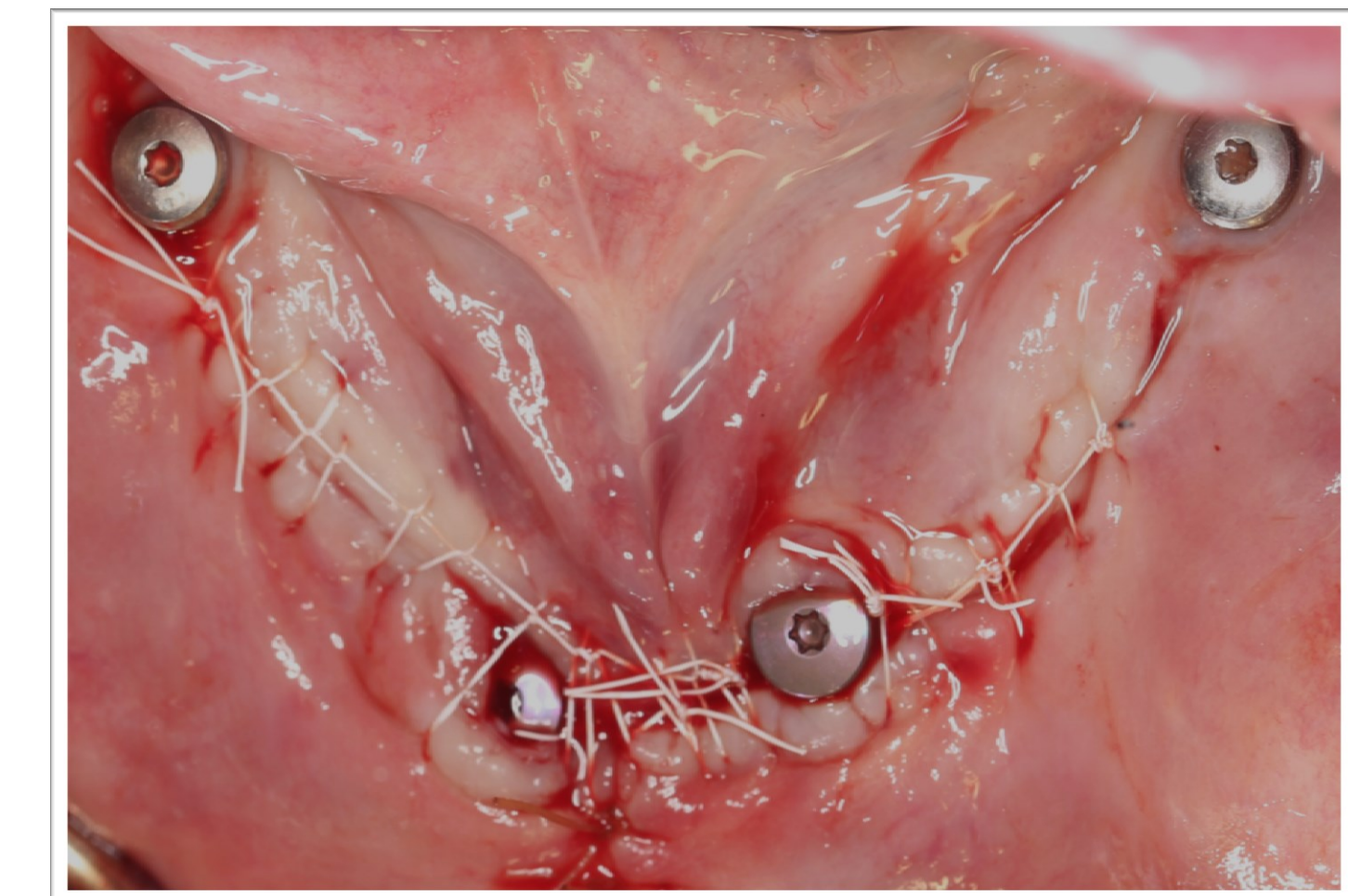
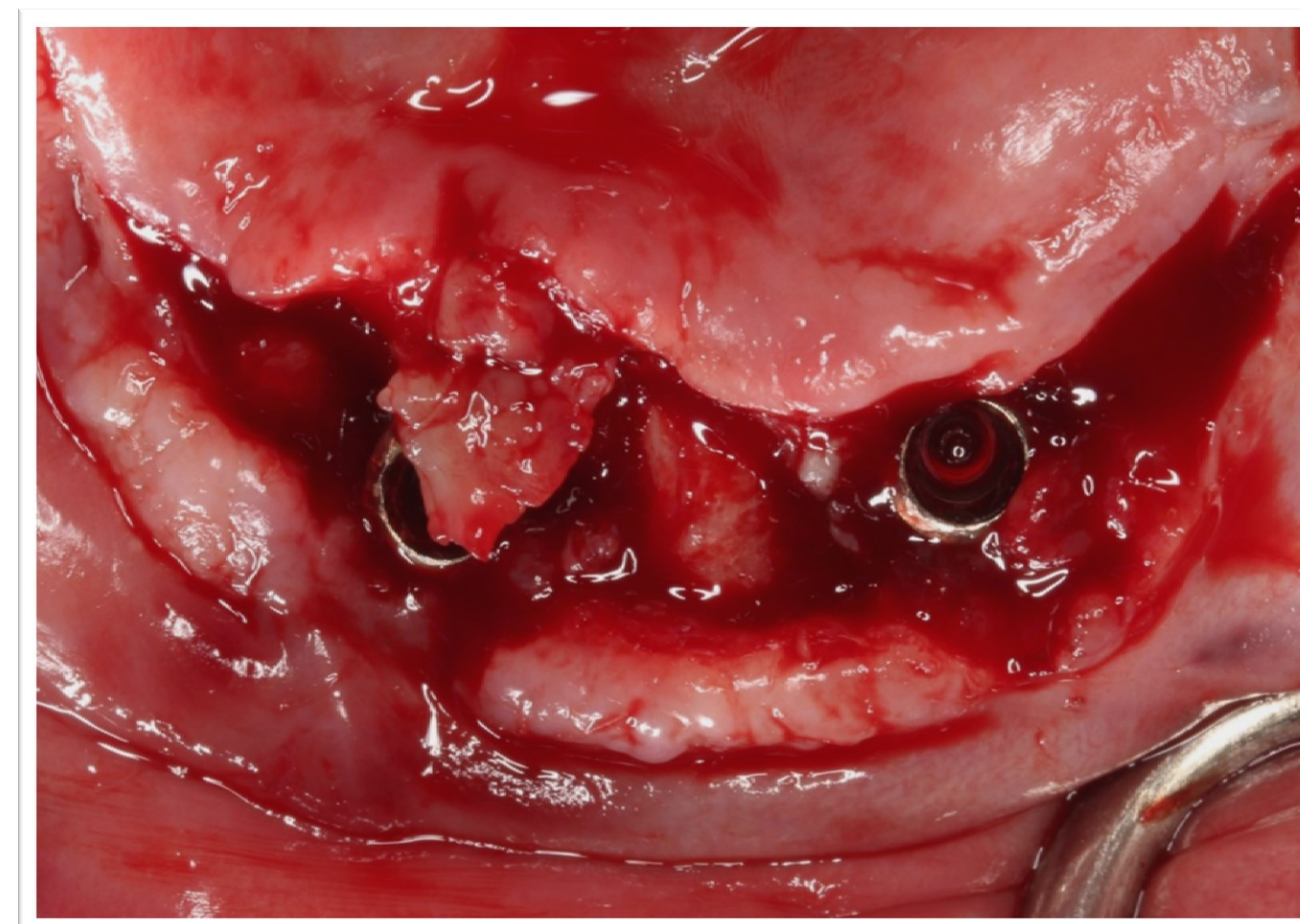


Case Description

These three implants were explanted and the area was grafted with freeze-dried bone allograft. After a healing period of twelve weeks, two new implants were placed.

After eight weeks of healing, the patient presented to the Department of Prosthodontics for an open tray impression with vinyl polysiloxane impression material. The fabricated cast was verified with a verification jig intraorally. Both bite registration and cast mounting were performed. Teeth setup was conducted and scanned to fabricate four custom abutments and their housings. Mandibular metal framework and processed base were implemented and the teeth were placed according to the putty matrix. A jig was used to verify the position of the abutments intraorally. The housings were placed on the abutments and polymethylmethacrylate resin material was used for pick-up. Finishing and polishing were performed, occlusion and phonetics were checked. Post-delivery instructions were given.

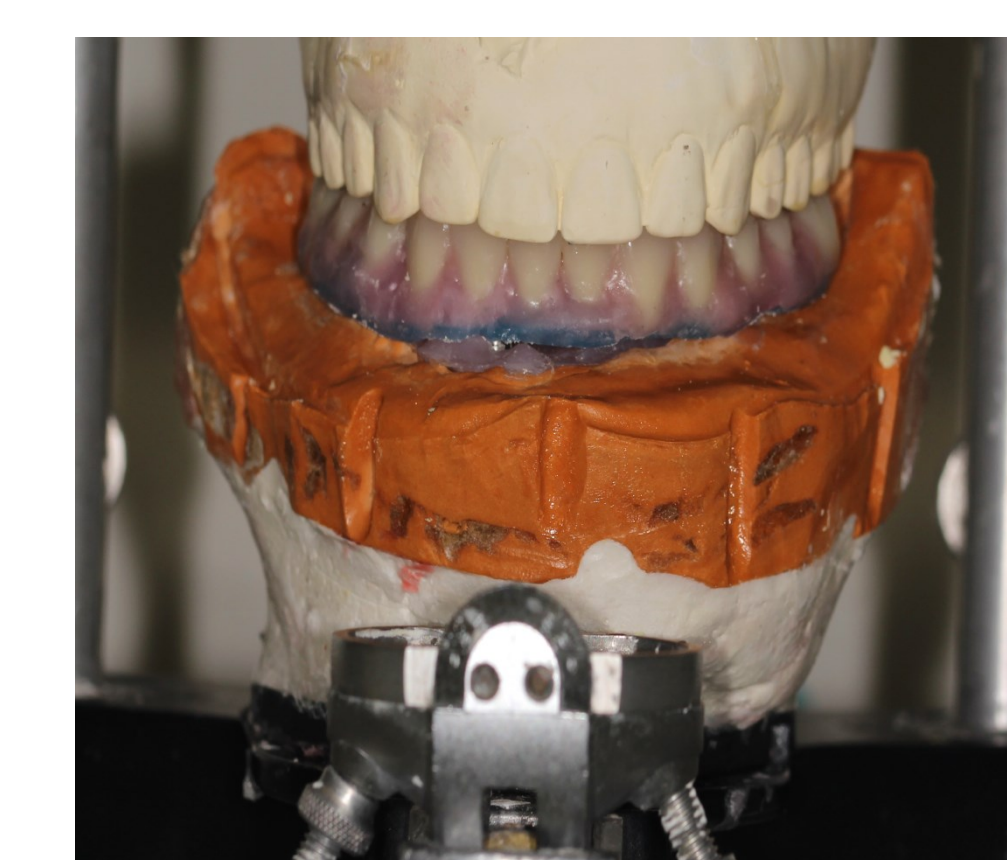
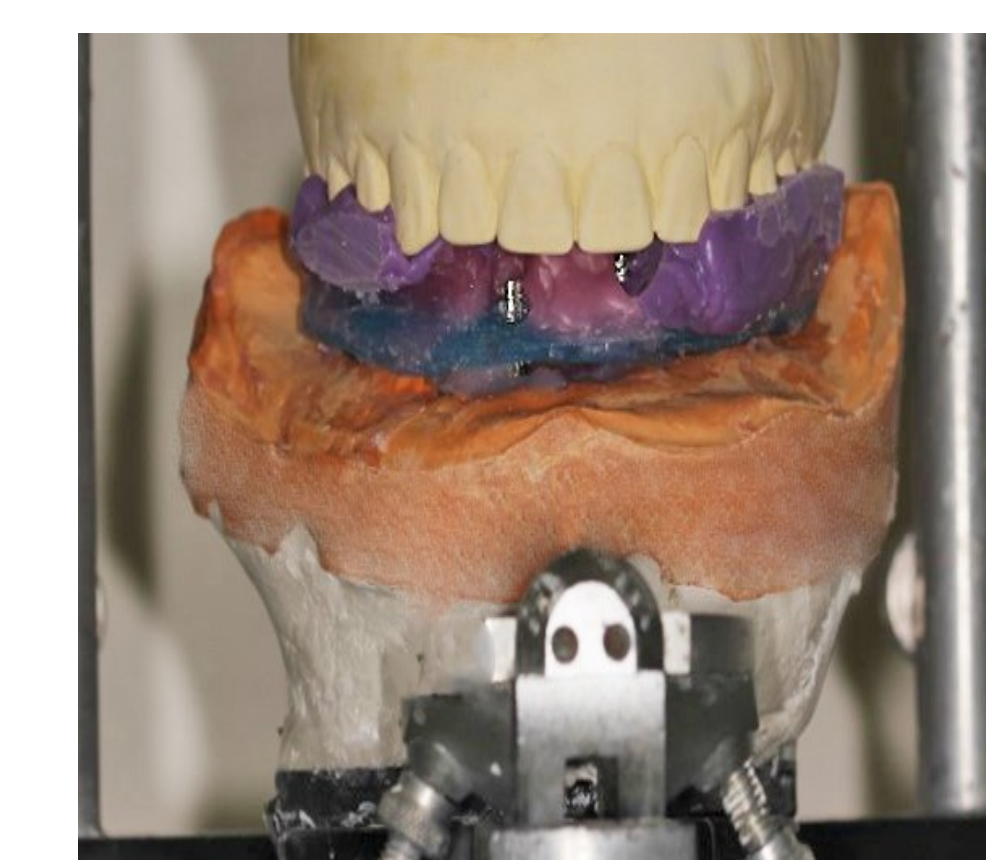
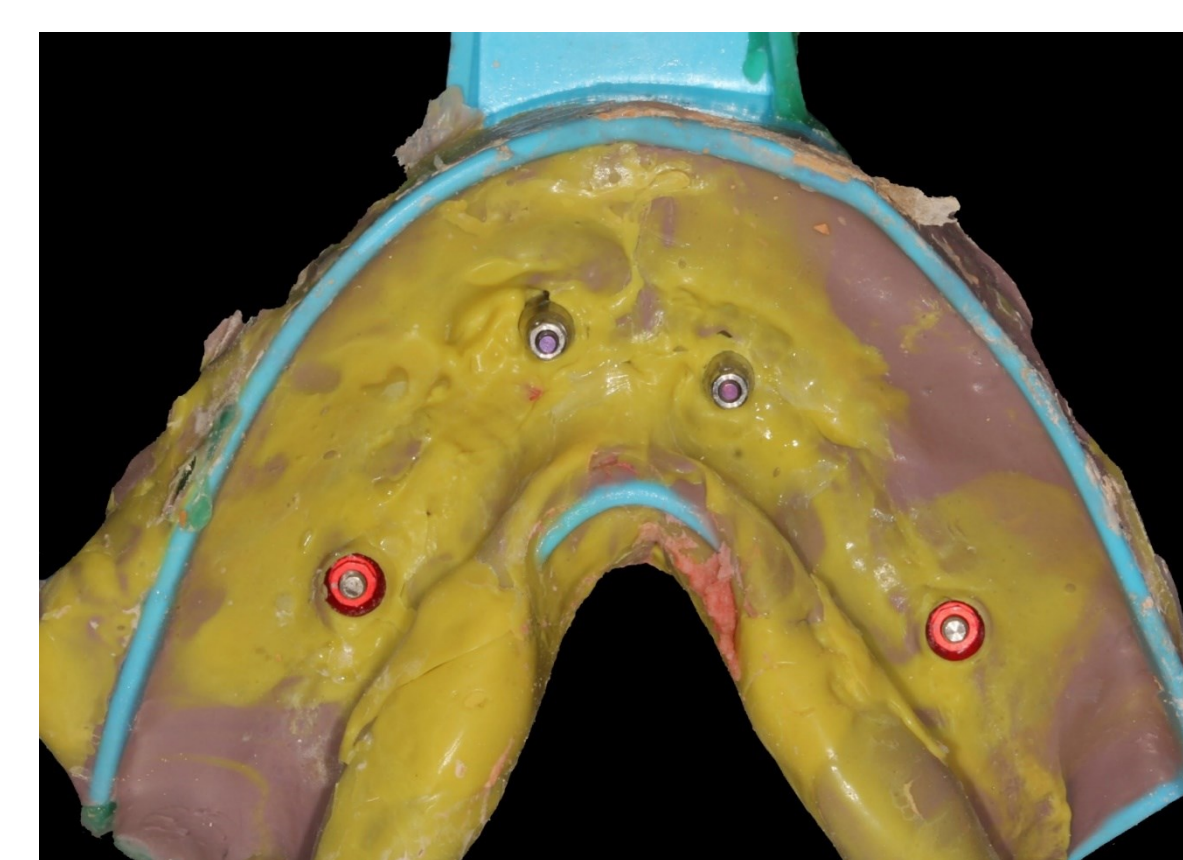
Surgical Treatment



Explantation & bone grafting

Implant placement

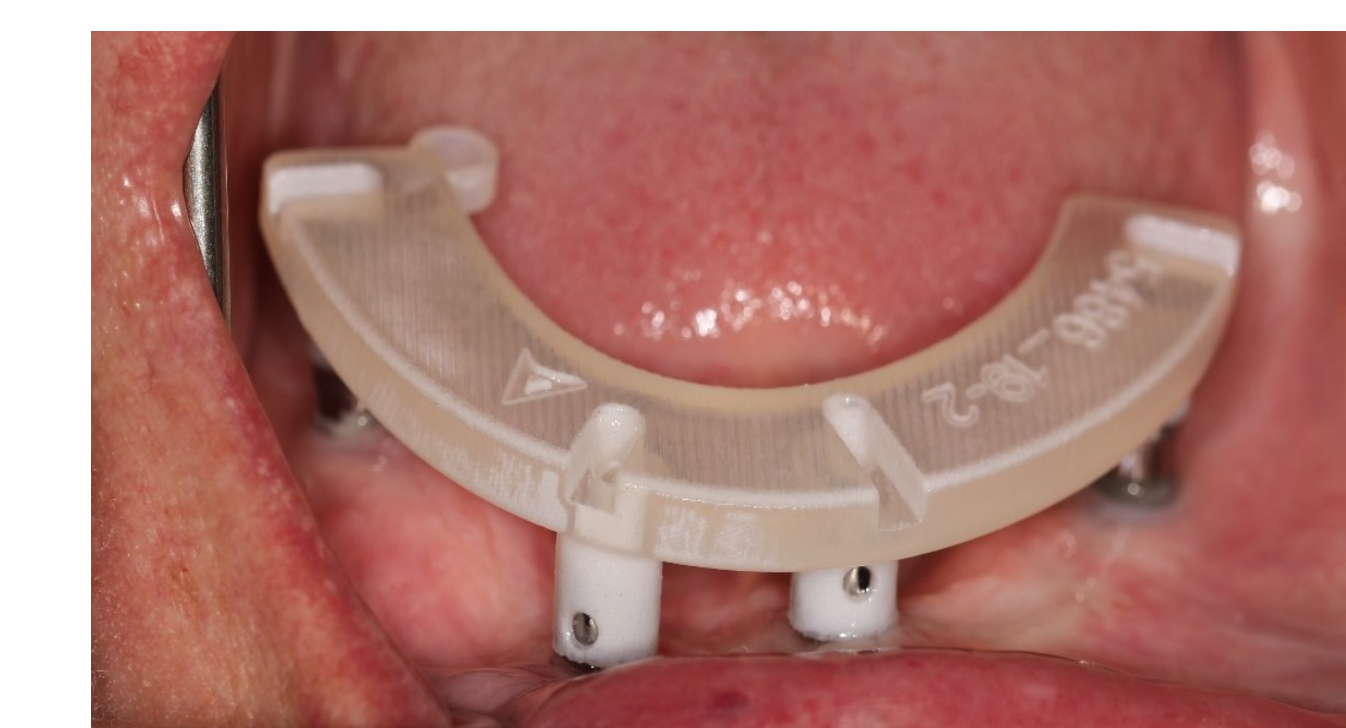
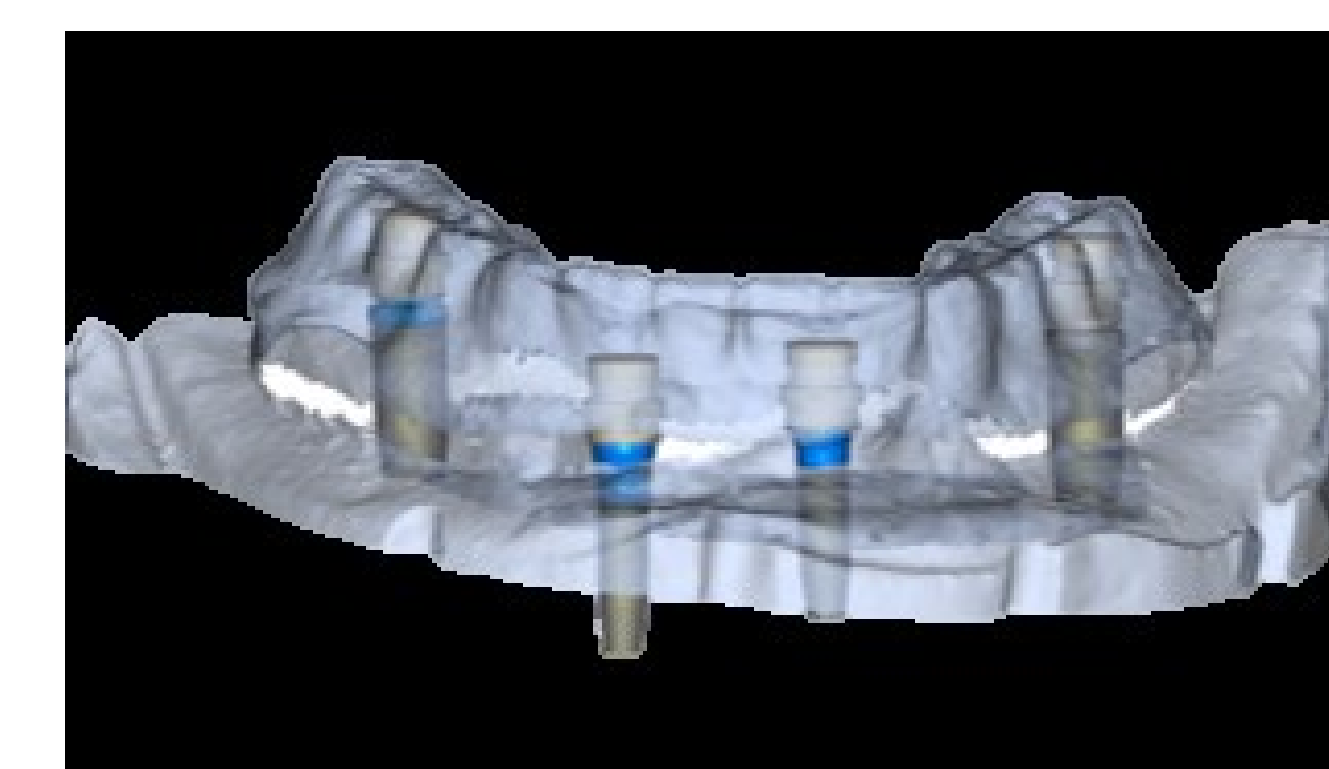
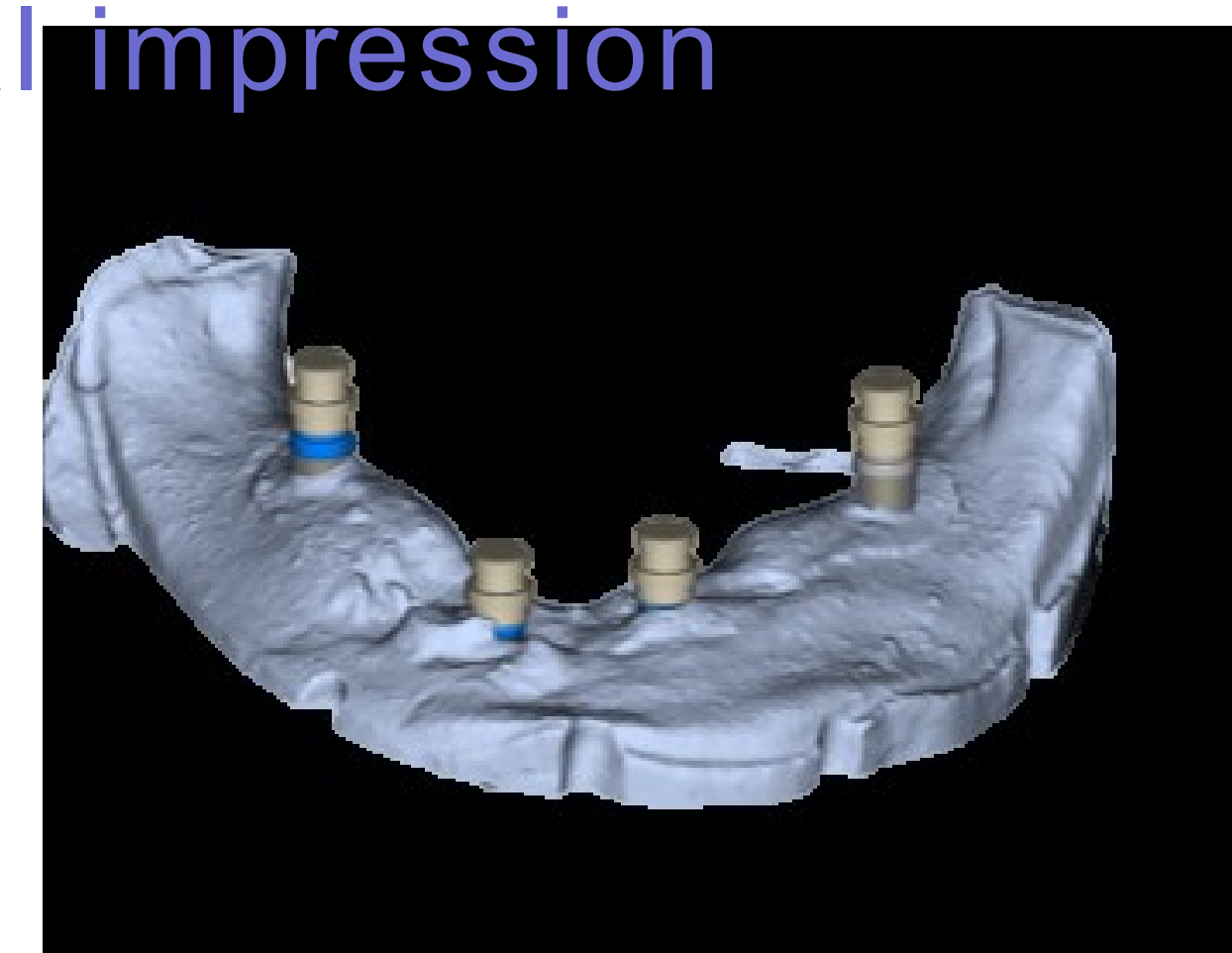
Prosthetic Treatment



Final impression

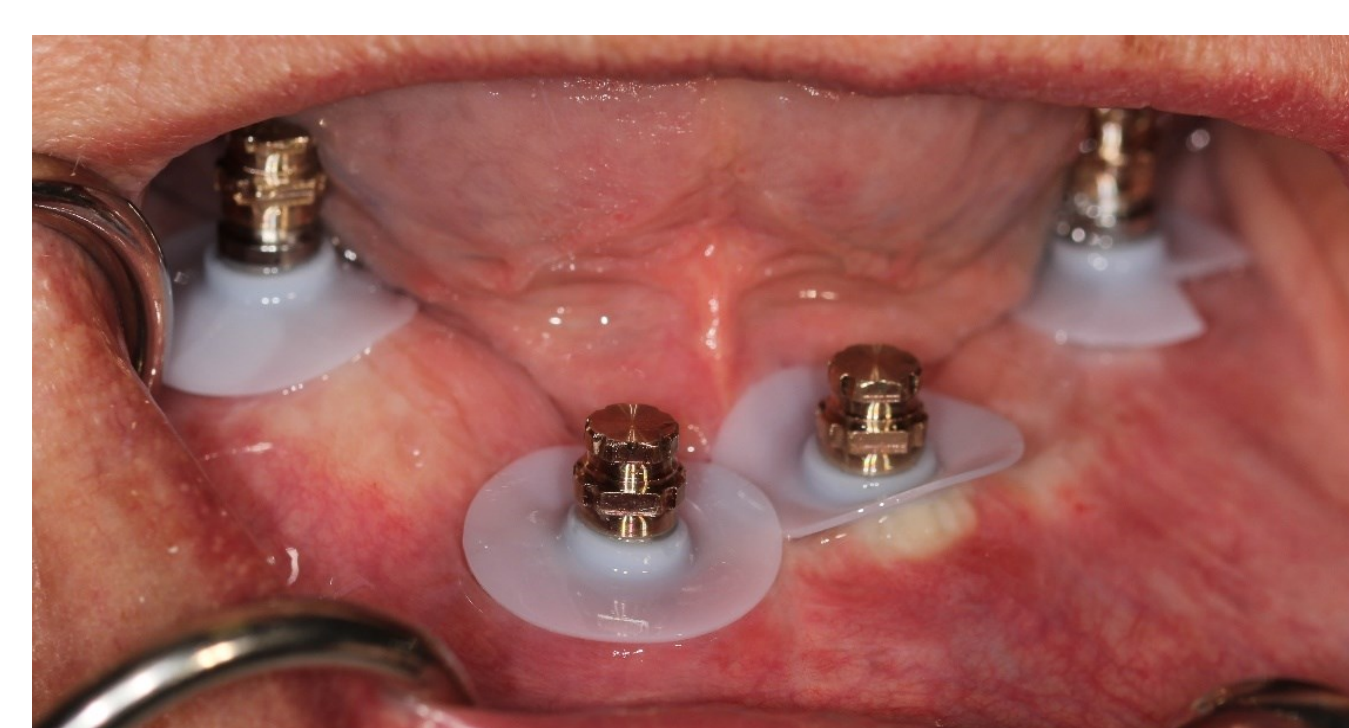
Verification jig

Teeth set-up



Digital scan

Abutment verification



Pick-up impression

Final restoration