





**Enrico Agliardi** 

**Patient** 65, female, fully edentulous in both jaws

Clinical situation Wearing total removable dentures

**Surgical solution** All-on-4® treatment concept, NobelParallel™ CC TiUltra™ RP 4.3x13 mm, Multi-unit Abutment Xeal™

**Restorative solution** NobelProcera® implant bar with composite teeth (planned)

Surgery date 23 September 2019

Total treatment time Approximately 7 months (April 2020)

"Thanks to the new Xeal surface, I can get early soft tissue healing and sealing around the abutment. Xeal abutments are a must-have product for all clinicians performing immediate loading procedures."

Surgical procedure

Restorative procedure

Outcome







Front, side and profile images of the fully edentulous patient. Note the lack of lip support because of the bone resorption. Surgical procedure

Restorative procedure

Outcome





Intraoral view with removable dentures in both maxilla and mandible

Moderate ridge resorption with estimated bone quality of D3 to D4 in the maxilla and D2 to D3 in the mandible





Occlusal view of the maxilla

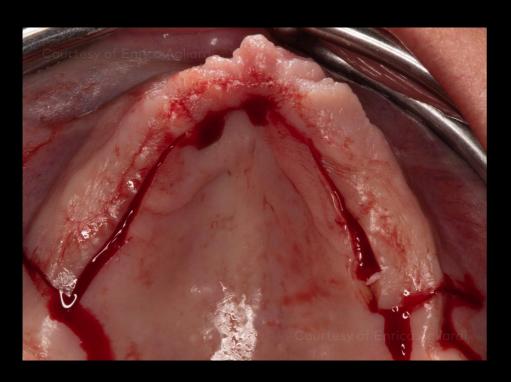
Mandible showing unfavorable ridge form

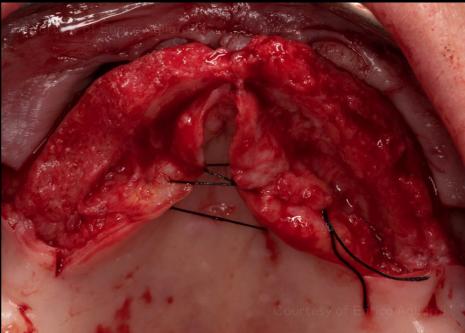
Surgical procedure

Restorative procedure

Outcome

### Maxilla





Making a palatal incision for flap elevation

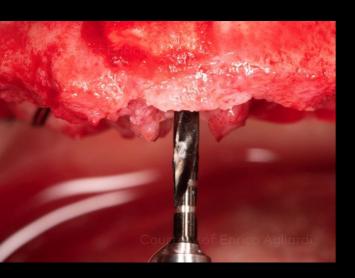
Full-thickness flap elevation in the maxilla

Surgical procedure

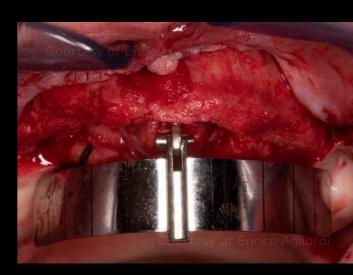
Restorative procedure

Outcome

Maxilla







Preparing the osteotomy in the midline using a Ø 2 mm Twist Drill for insertion of the All-on-4® Guide

Confirming angulation with the direction indicator  $% \left( 1\right) =\left( 1\right) \left( 1\right) \left($ 

Placing the All-on-4® Guide for predictable positioning of implants

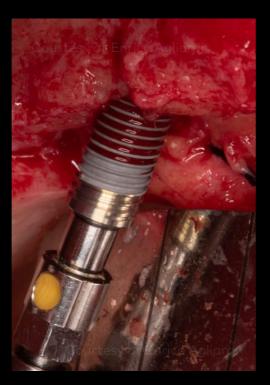
Surgical procedure

Restorative procedure

Outcome

### Maxilla









### Maxilla









Opposite side: posterior osteotomy preparation and implant placement

Use of Multi-unit Aligning Instrument to find the suitable Multi-unit Abutment angle

Surgical procedure

Restorative procedure

Outcome

Drill protocol











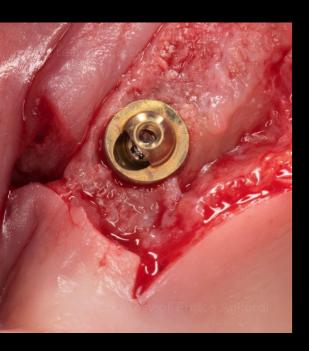
Anterior implants: Steps of the osteotomy preparation

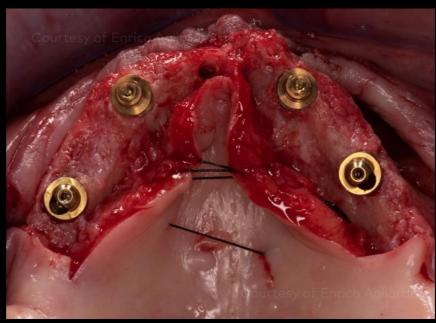
Surgical procedure

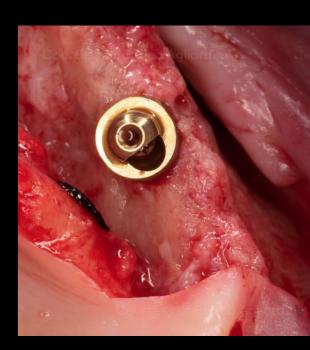
Restorative procedure

Outcome

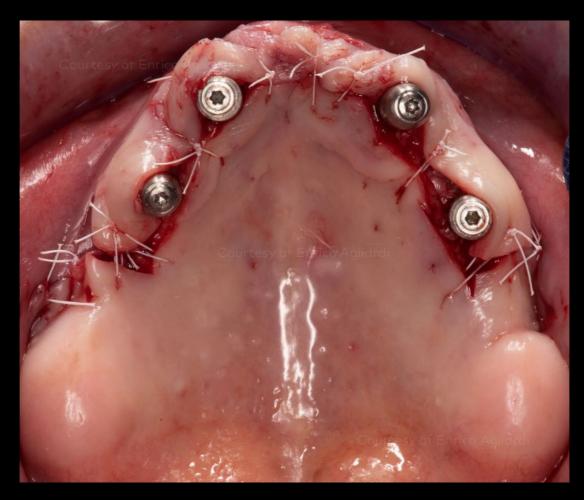
### Maxilla







### Maxilla



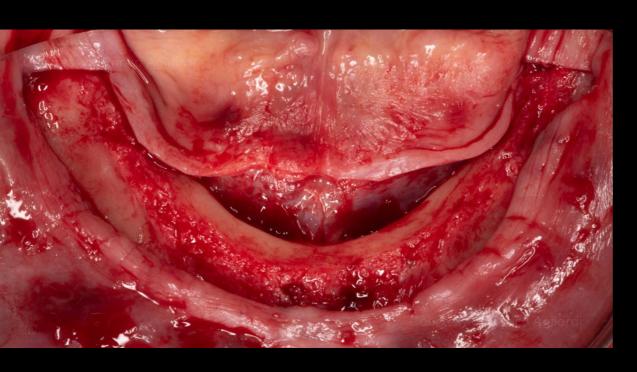
Flap closure and suturing

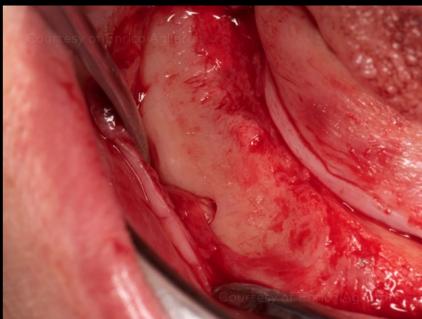
Surgical procedure

Restorative procedure

Outcome

Mandible





Raising the flap in the mandible

Isolation of alveolar nerve

Surgical procedure

Restorative procedure

Outcome

Mandible







# Mandible









Surgical procedure

Restorative procedure

Outcome

Mandible







Surgical procedure

Restorative procedure

Outcome







Courtesy of Enrico Agliardi





Immediate provisional prostheses, planned before surgery in articulator after facebow registration

Prosthesis finalized after the surgery before delivery to the patient

Surgical procedure

Restorative procedure

Outcome



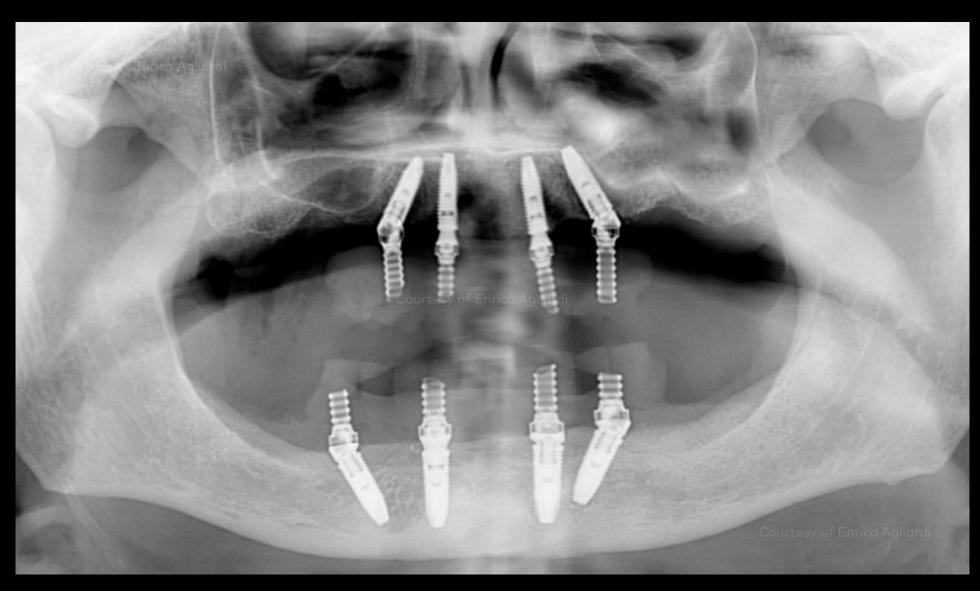


Healed maxilla and mandible. Note the healthy soft tissue 2 weeks after surgery.

Surgical procedure

Restorative procedure

Outcome



2 months after implant insertion and placement of Temporary Snap Copings on Multi-unit Abutment Xeal™

Surgical procedure

Restorative procedure

Outcome







Finalization of the temporary prosthetic. Occlusal view shows Temporary Coping access holes blocked

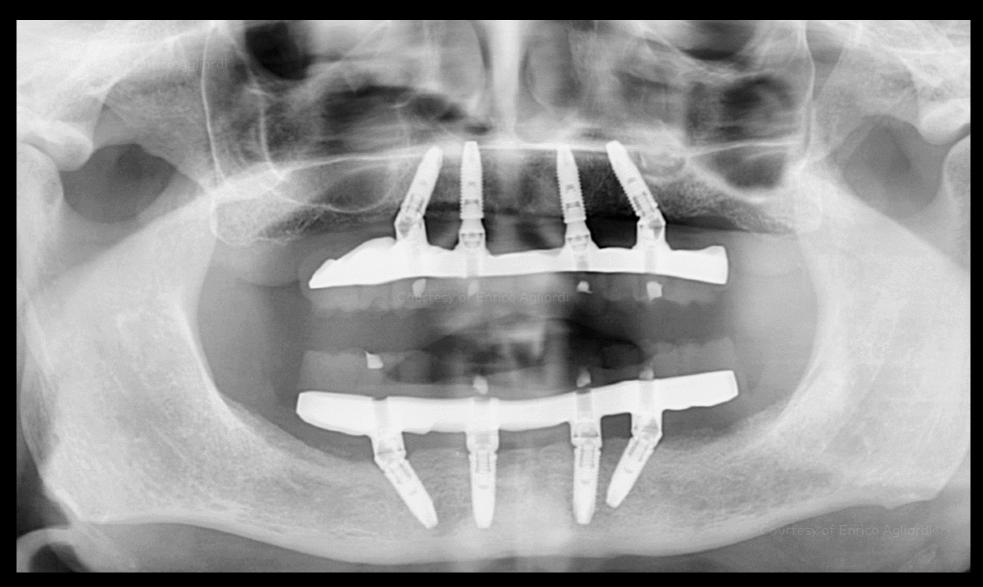


13 months after implant insertion

Surgical procedure

Restorative procedure

Outcome



13 months after implant insertion with the final prostheses

Surgical procedure

Restorative procedure

Outcome







Final prostheses 13 months after implant surgery.

Surgical procedure

Restorative procedure

Outcome









Before treatment

After rehabilitation with the All-on-4® treatment concept

Smile close-up before (top) and after rehabilitation of the patient with the All-on-4® treatment concept (bottom)

Surgical procedure

Restorative procedure

Outcome





## Case courtesy of Dr. Enrico Agliardi



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