#### **CLINICAL CASE**



#### Maxillary full-arch rehabilitation using the new NobelZygoma<sup>™</sup> TiUltra<sup>™</sup> implants

Prof. Enrico Agliardi Italy







#### Patient description:

A 72-year-old female with no systemic conditions and a history of failing implants and grafts in the left upper side.

#### **Clinical situation:**

The patient presents failing residual teeth in the upper jaw and a failing implant in region 23. She has recurrent sinusitis due to an oral antral communication in region 24-25.

#### **Proposed surgical treatment:**

Extraction of the remaining maxillary teeth with immediate implant placement, consisting of two anterior NobelSpeedy<sup>®</sup> Groovy implants, one tilted NobelSpeedy<sup>®</sup> Groovy in region 13 of dimension 4mm and a 37.5mm NobelZygoma<sup>™</sup> 0° TiUltra<sup>™</sup> implants in region 25. The plan includes immediate loading with a pre-fabricated provisional PMMA prosthesis.

#### **Temporization:**

Immediate loading of the implants with a PMMA provisional prosthesis, secured on temporary Mult-unit Abutments during the initial healing phase.

#### Surgery date(s):

18-9-2024

#### **Total treatment time:**

6 months including the definitive prosthesis. The provisional prosthesis was delivered the same day of the surgery.







Prof. Enrico Agliardi

#### **Testimonial**

The NobelZygoma<sup>™</sup> TiUltra<sup>™</sup> 0° is a great leap forward from the previous generation of zygomatic implants. The small diameter and conical connection offer advantages both surgically and prosthetically.

Furthermore, the TiUltra surface ensures minimal tissue trauma making them more stable over time. In addition to all this, the new drill system offers optimal implant site preparation in every anatomical situation and greatly simplifies every single step.

The entire system for treating patients with severe maxillary atrophy using zygomatic implants now has a new gold-standard thanks to Nobel Biocare.



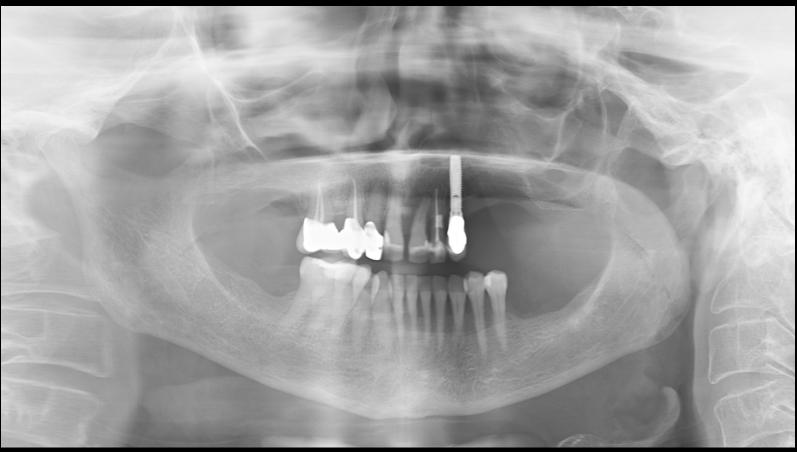






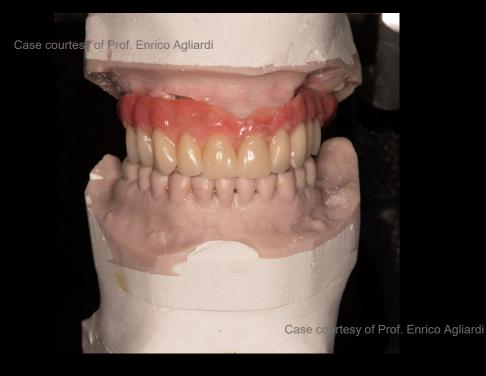




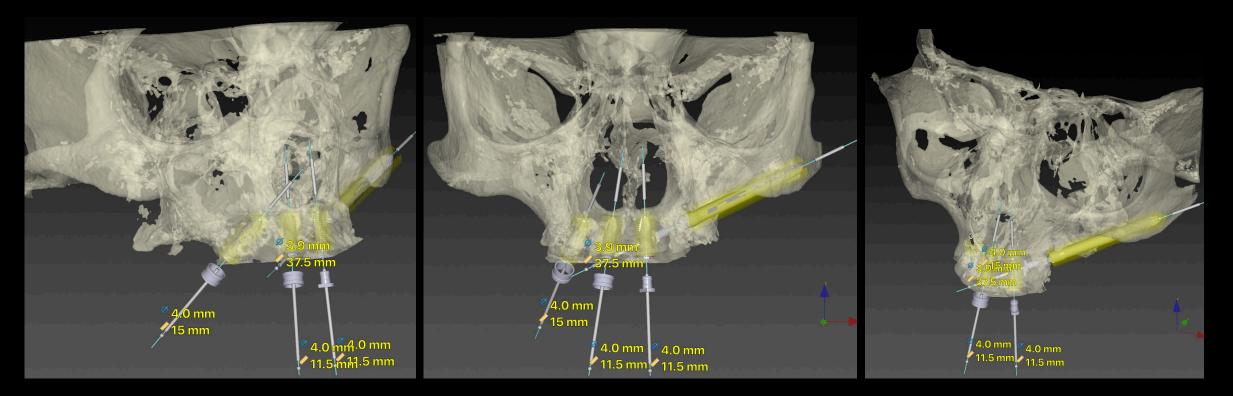




Provisional prosthesis planned before the surgery



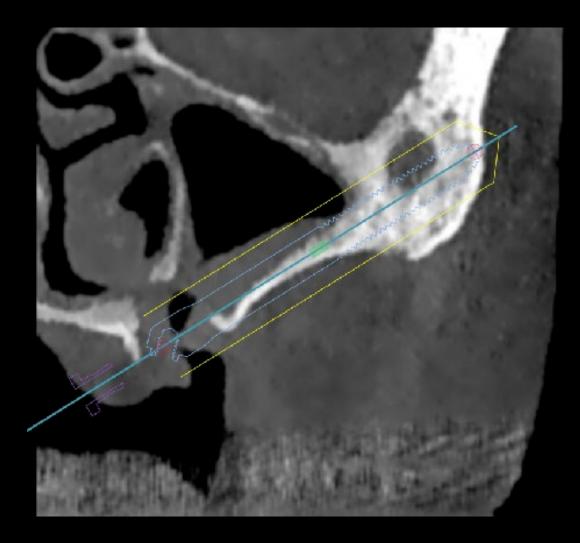
Provisional prosthesis planned before the surgery



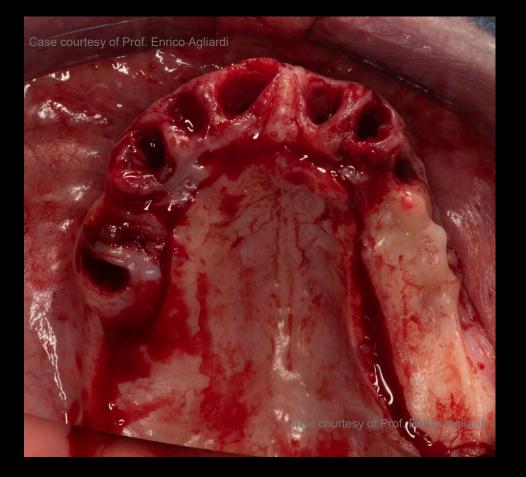
Right side view

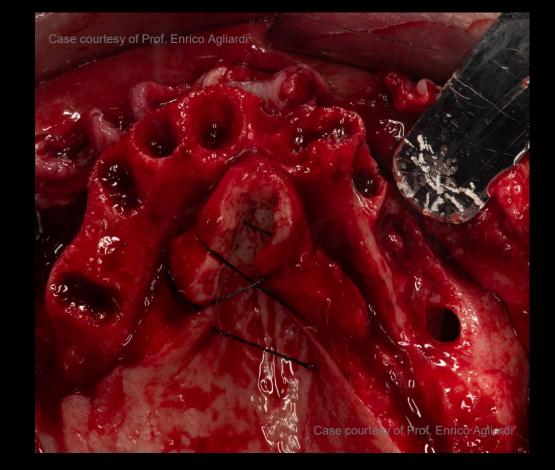
Planning frontal view

Left side view



Cross sectional view of planned zygomatic implant





Extraction of the pre-existing teeth and incision

Flap elevation



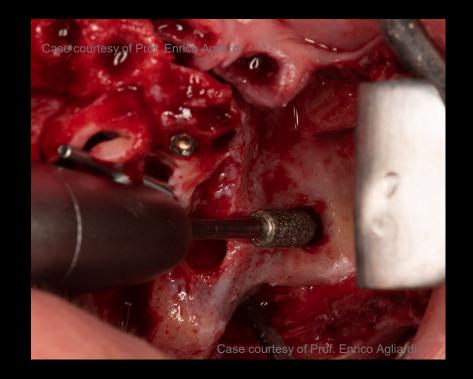
Initial osteotomy drill

Direction indicator

NobelSpeedy<sup>®</sup> implant of 11.5mm \* 4 mm

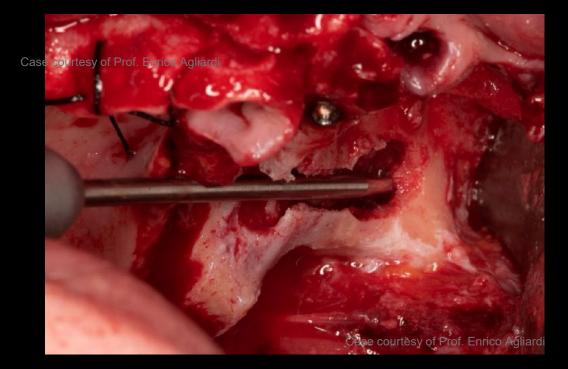


Design of the window – Extra sinus



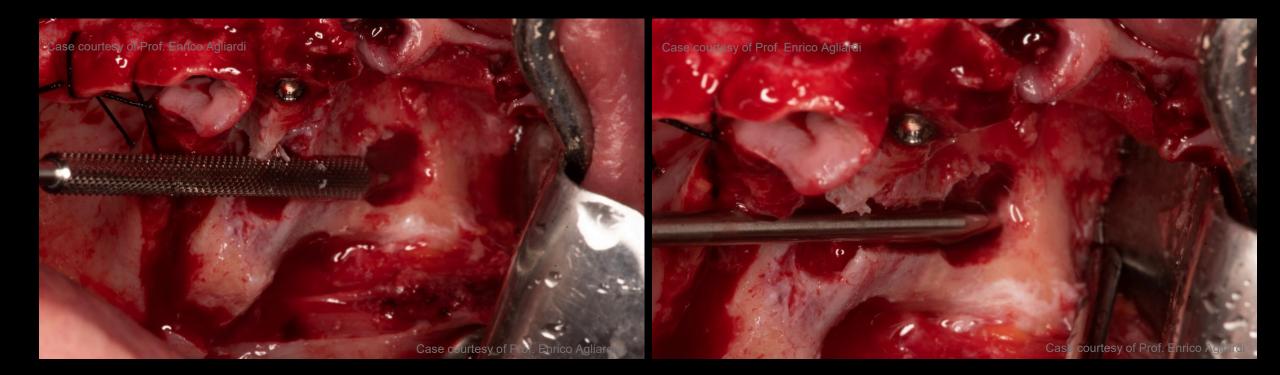
Lower border of zygomatic bone identification





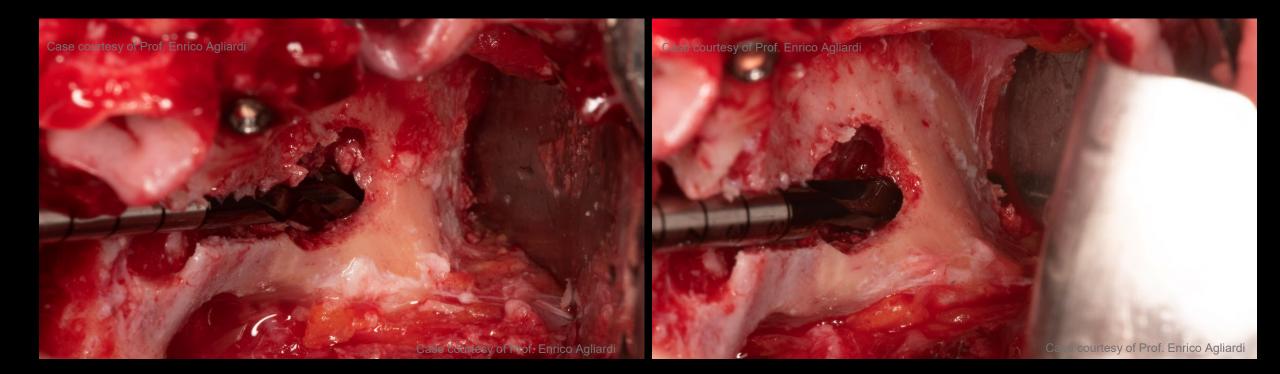
Complete zygomatic bone visualization

Round bur to mark the entry point



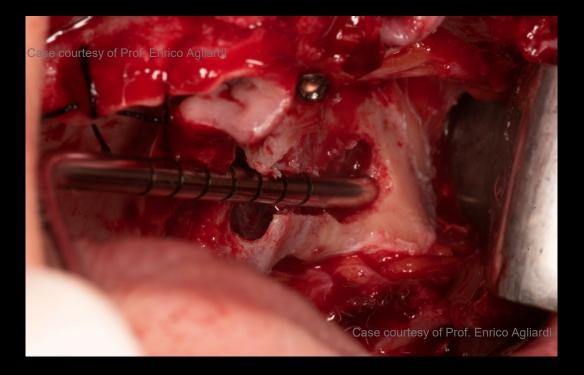
Lateral bur engages at the mark and creates the implant path

Precision drill

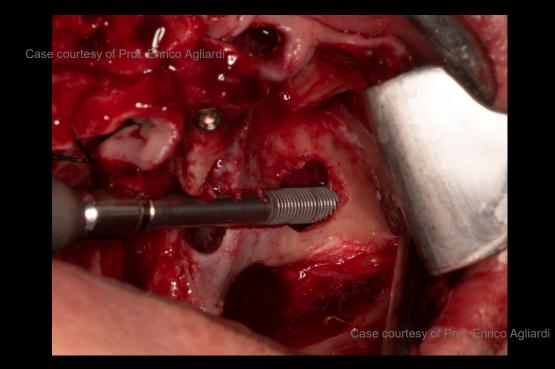


2.9 mm twist drill

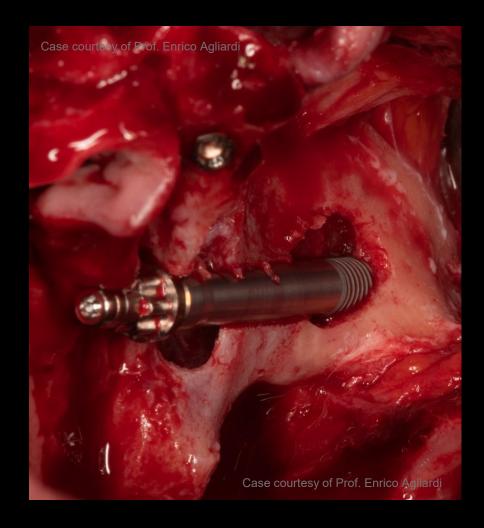
3.5 mm pilot drill

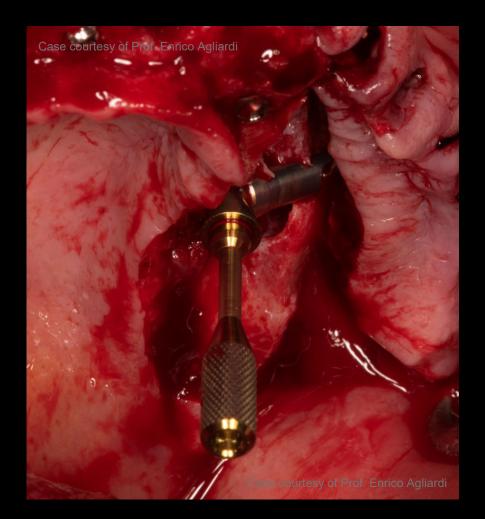


Depth indicator angled to identify correct implant length



37.5mm NobelZygoma™ 0° TiUltra™ implants in region 25



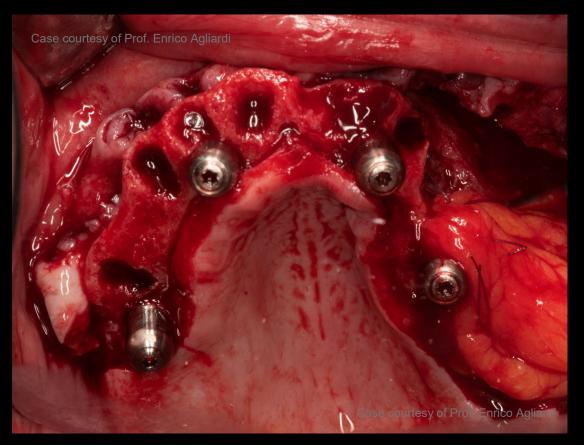


Zygoma implant final position

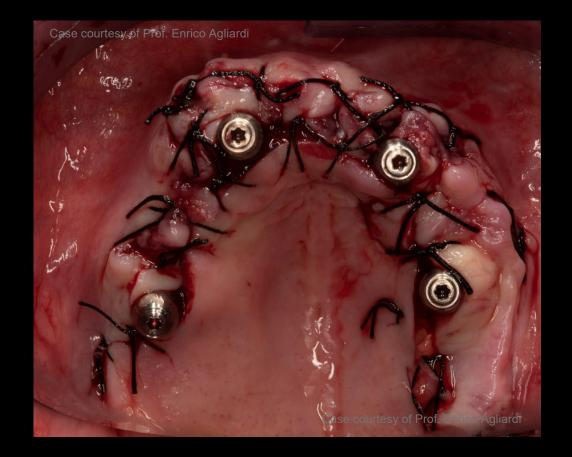


0 se courtesy of Prof. Enrico Agliardi

Final implant position with MUA



Nasal and sinus communication Double closure thanks to buccal fat (BICHAT) Pad and soft tissue



Suture



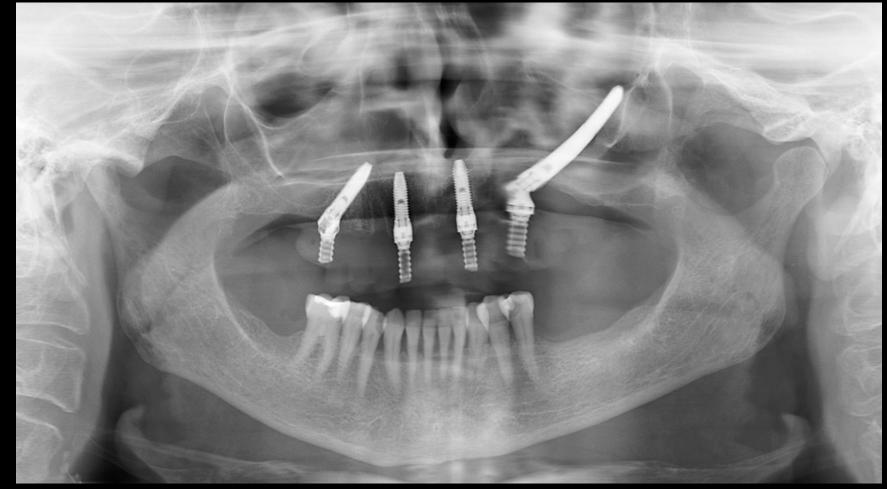
Occlusal view of provisional prosthesis

Frontal view of provisional prosthesis



Pre-op smile

Post-op smile



Follow-up X-ray post implant placement

Case courtesy of Prof. Enrico Agliardi



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