

Zygomatic implants for resorbed Maxilla

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Extra Maxillary Technique.
Zygomatic implants for resorbed Maxilla
with pneumatized maxillary sinuses, and
non-restorable dentition.

Patient

27 year-old female model. In good health.

Chief complaint

Embarrassed about her teeth. Unable to smile,
which affected her social and professional life.

Secondary to financial concerns, would like to
restore maxilla first. Mandible will be restored
to first molar occlusion at a later date.

Clinical examination

Rampant decay on Maxilla. Pneumatized
maxillary sinuses. Decayed mandibular
molars with periapical lucencies.

Surgical procedure

Removal of all Maxillary teeth and
mandibular molars.

Placement of anterior axial implants, with nasal
floor elevation. Placement of extra maxillary
Zygomatic implants posteriorly.

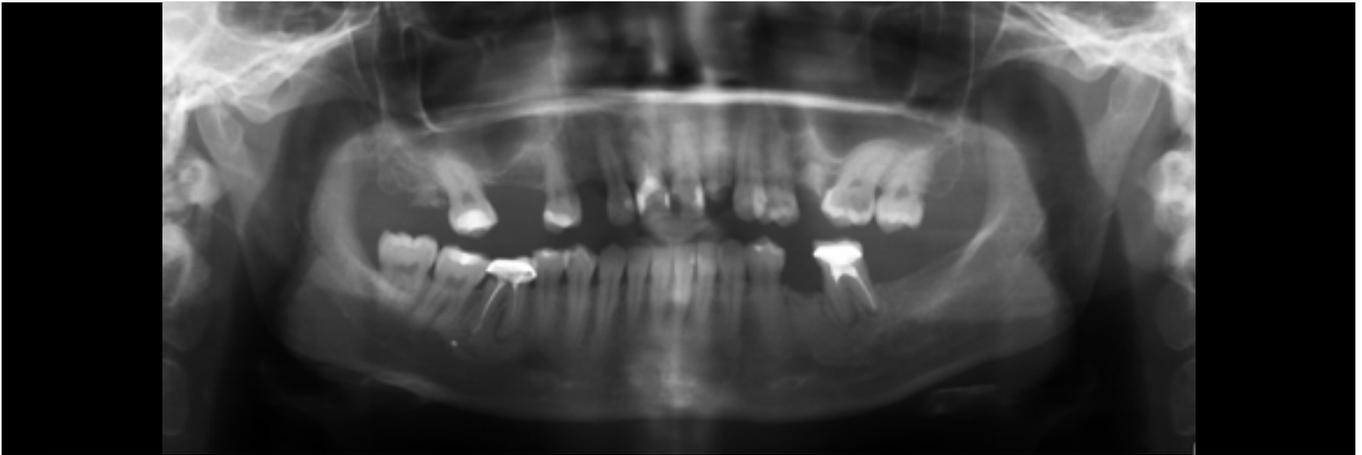
The Schneiderian membrane remained intact,
except for the most apical portion of the sinus.

An Alloderm graft was sutured to the bone
on the facial aspect of the Zygomatic implant,
in order to increase soft tissue thickness, and
decrease the chances of gingival recession.
We also use connective tissue grafts for
this purpose.

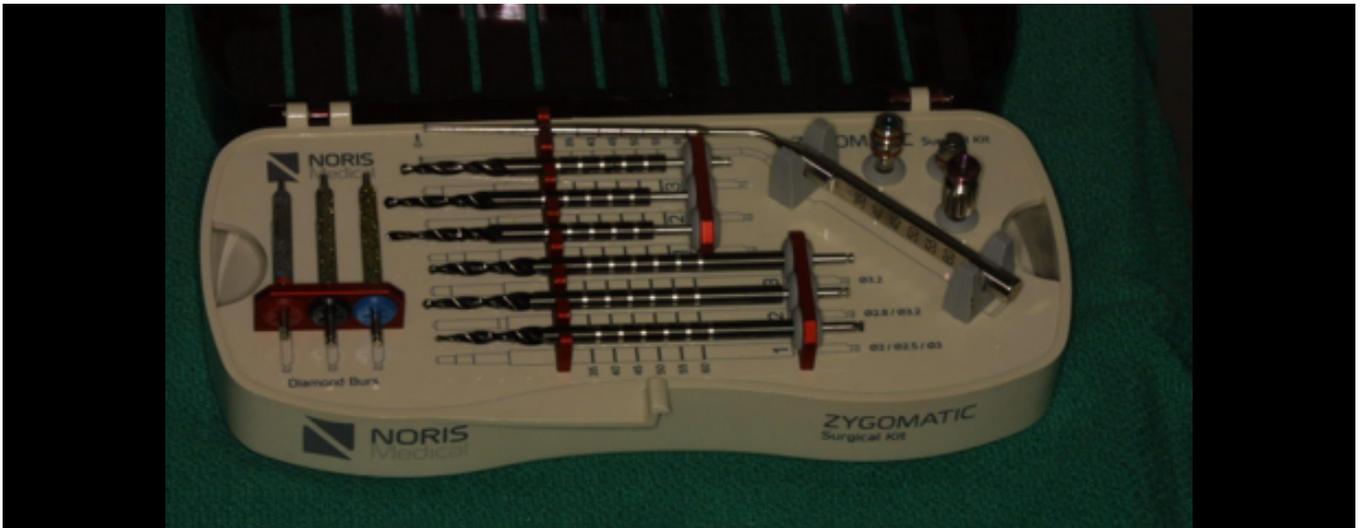
The implants were immediately loaded with
screw retained prosthesis.

The patient reports great satisfaction with the
result, with immediate improvement of her
social and professional life.

The Noris Medical Zygomatic implant is
specially designed for the extra-maxillary
technique. The Noris instrumentation
greatly simplifies the implant placement and
protects the sinus membrane. High torque is
consistently achieved, which allows immediate
placement of screw retained prosthesis.



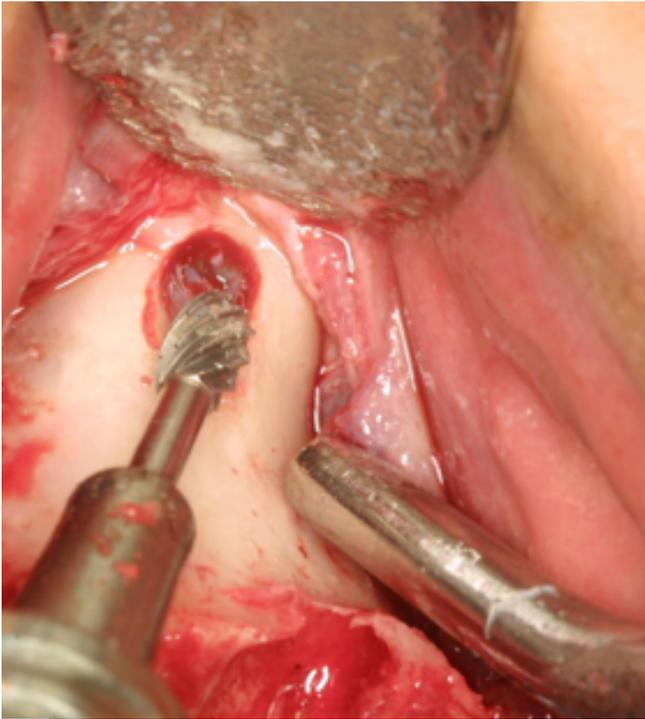
1 Preoperative radiograph.



2 Noris instrumentation kit.



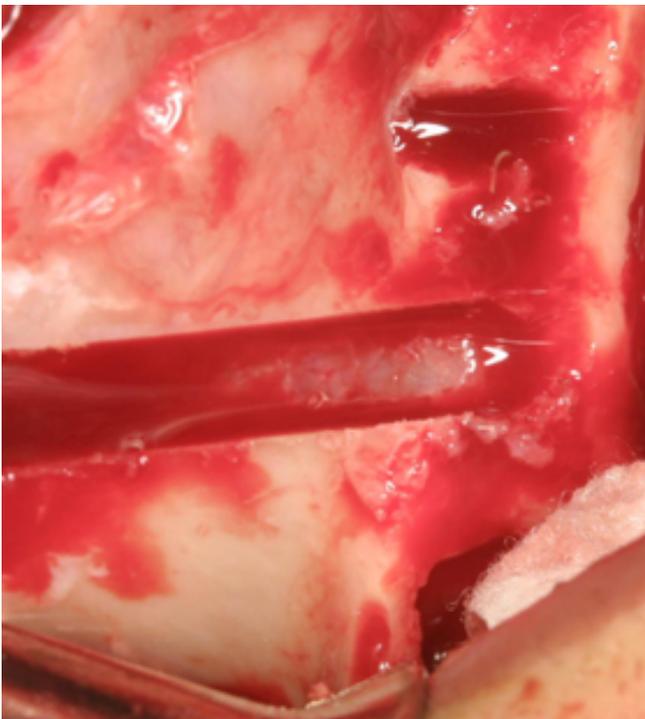
3 Measuring bone reduction to assure sufficient restorative space.



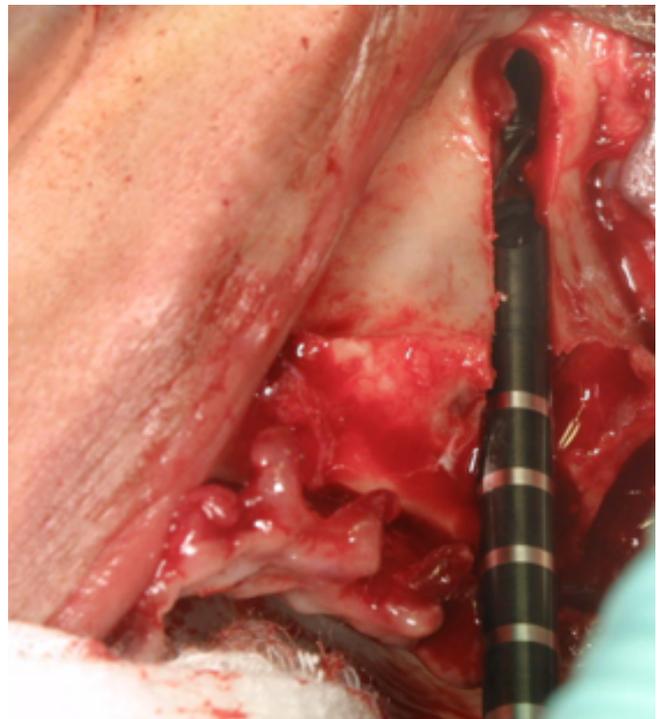
4 Initial osteotomy



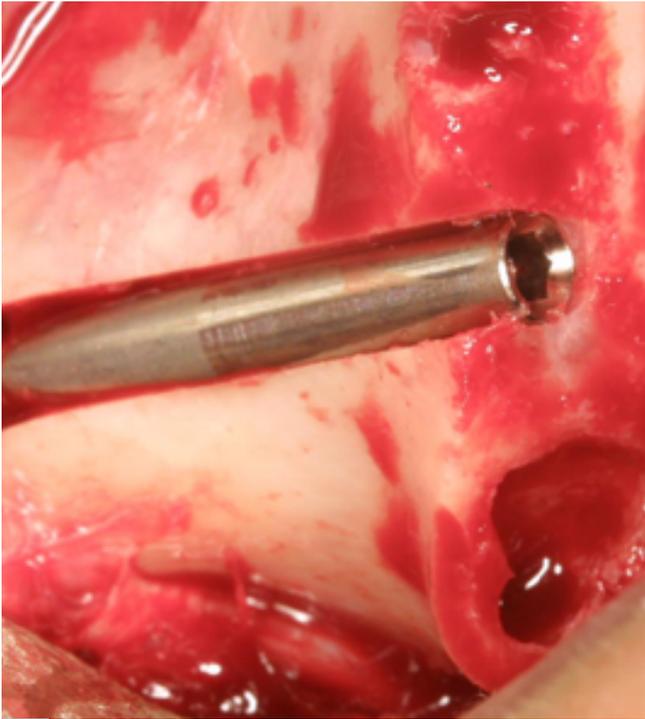
5 Cylindrical drill for bone channel preparation.



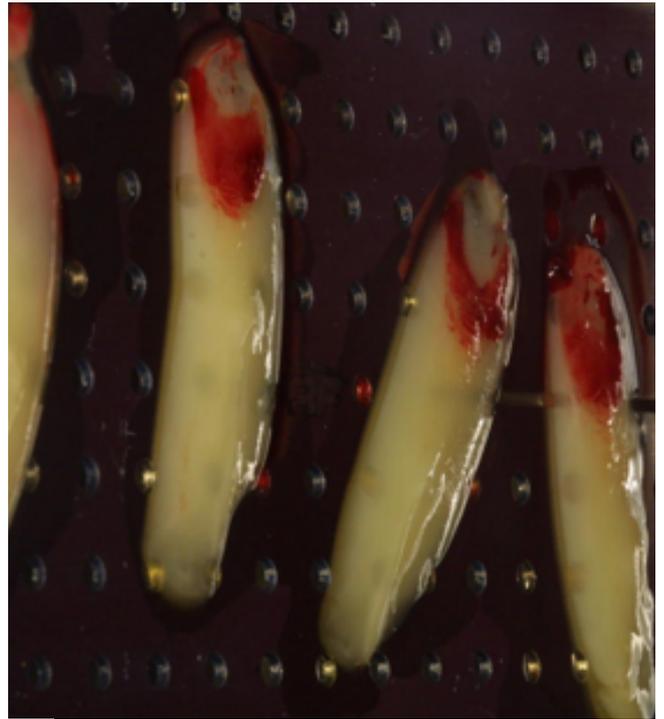
6 Intact Schneiderian membrane on coronal portion of osteotomy, corresponding to the preparation performed with the cylindrical drill.



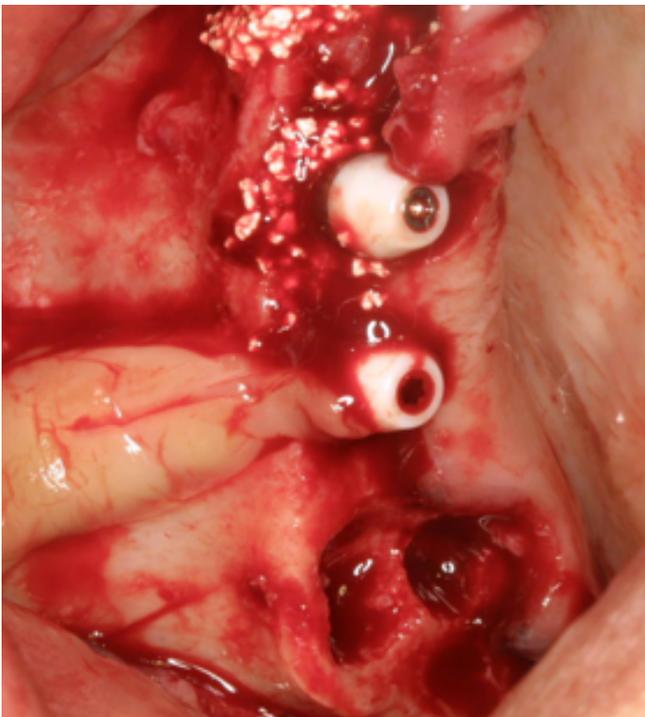
7 First Zygomatic osteotomy drill.



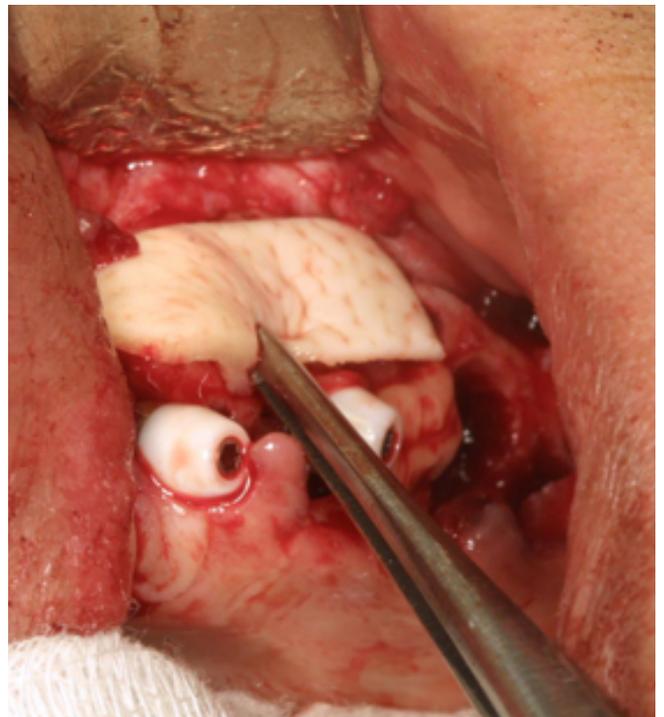
8 Implant in place.



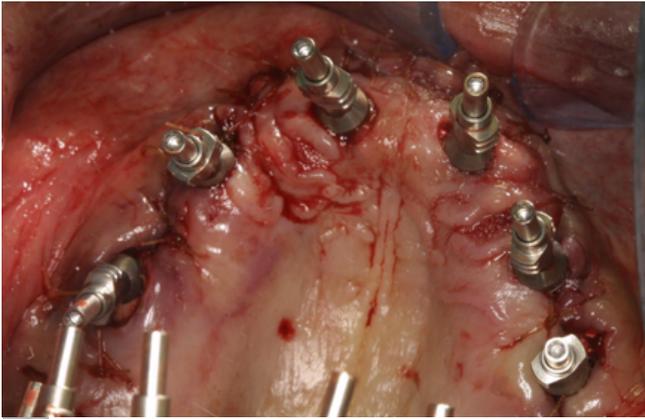
9 L-PRF membranes.



10 L-PRF over exposed body of the implant.



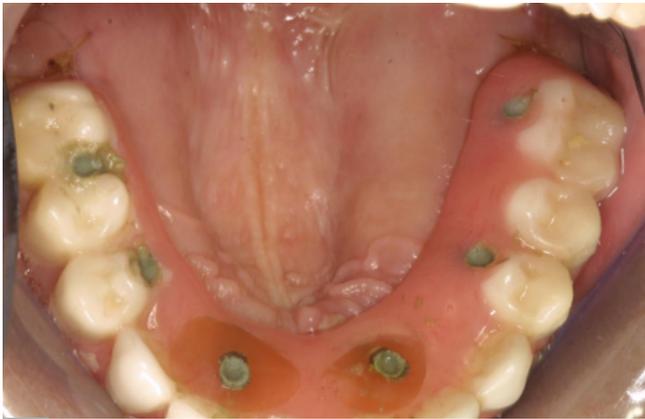
11 Alloderm over the L-PRF at the coronal portion of the implant, to increase gingival thickness and reduce the possibility of gingival recession over the implant.



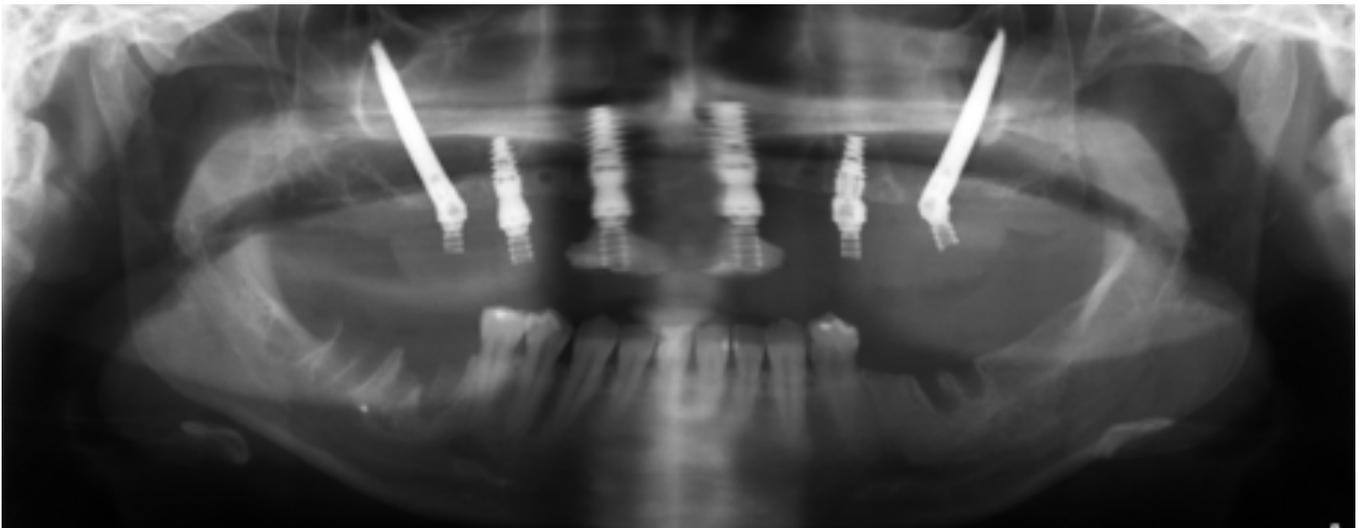
12 Impression posts.



13 Post Op.



14 Fixed screw-retained provisional restoration.



15 Post-operative radiograph. Mandible will be restored at a later date, due to finances, with posterior implants.

Visit Dr. Letelier Website: www.lasvegasoms.com