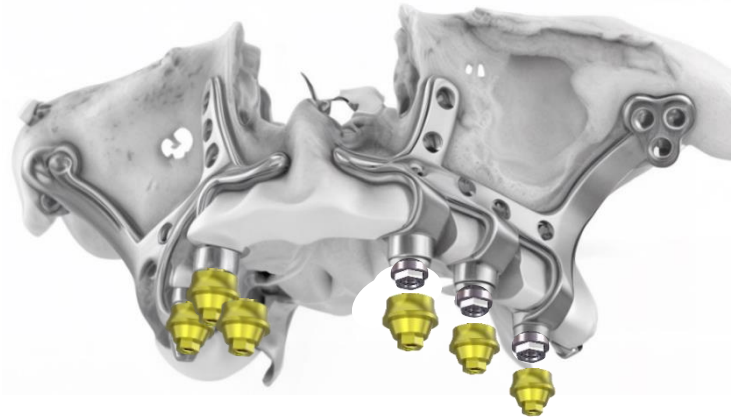
zp surgical GUIDES

Subperiosteal implants

A multidisciplinary team plans, designs and manufactures the customized structure for the subperiosteal implant treatment.
Its individualized design maximizes stability and facilitates bone regeneration providing immediate esthetics and functional results.



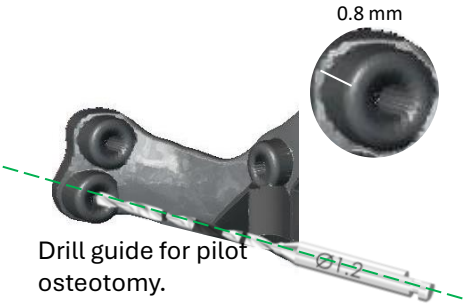
Advantages

- Multi-Unit removable abutments of different heights. Nitrided in yellow (PVD).
- Helical CT or Cone Beam thanks to post-processing with artificial intelligence.
- Titanium framework (Ti-6Al-4V), direct laser sintered, SLM.
- Framework thickness 0.8 mm.
- Full arch treatments with independent frameworks per quadrant and positioning guide.

- Extensive international experience with more than 250 subperiosteal implant treatments performed annually.
- Specific planning software for this type of treatment (Rhino Medical).
- Delivery of all necessary instruments for surgery and assistance of a product specialist.

With the collaboration of

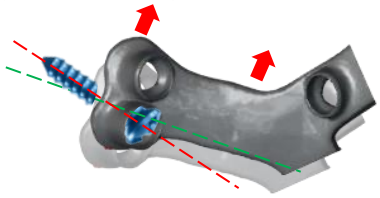
KUNE IMPLANTS



Drill guide for pilot osteotomy.

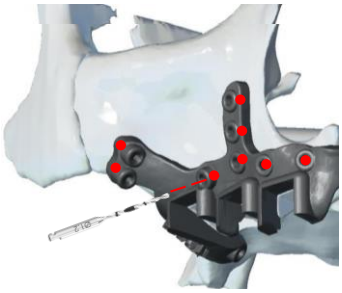
Osteotomy guide with pilot drill

Osteosynthesis screw screwed in the correct direction.

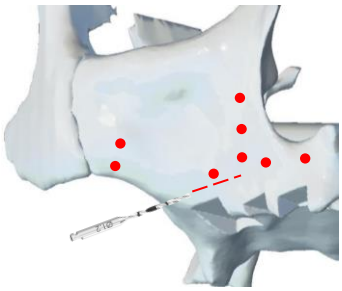


Without prior pilot drilling, the osteosynthesis screw may cause movement of the structure and poor positioning.

Osteotomy guide with osteosynthesis screw template



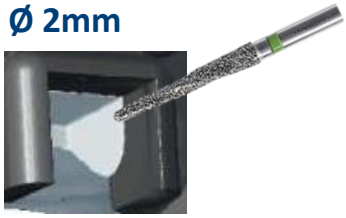
Drill guide piloting the position and direction of the screw beds



Removing the osteotomy template we can see the position of the screws marked.

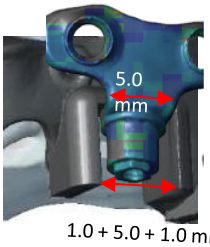
Osteosynthesis screws with guided insertion and direction

Osteotomy drill Ø 2mm



Special 2.0 mm diamond bur for horizontal cutting

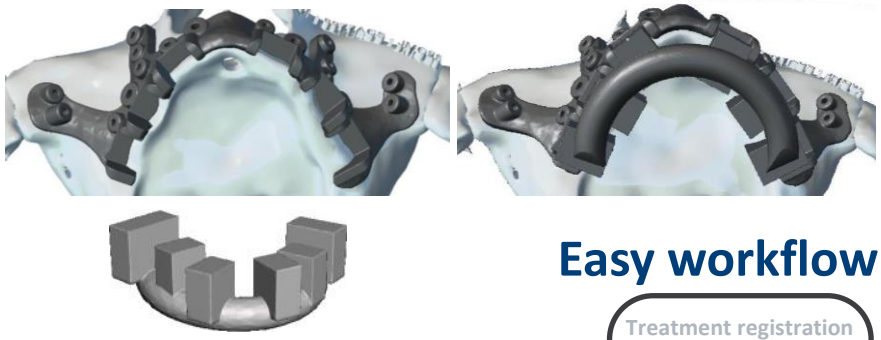
Design of the osteotomy guide drawers



1.0 + 5.0 + 1.0 mm

We added 1mm extra per side in the guide "drawers" for a correct milling, which allows a better seating of the arms of the structures.

Macro osteotomy guide



The macro structure fits with the osteotomy guide to verify correct osteotomies of the drawers.

Enlarged vestibular step

Wider vestibular step that provides a support point for the osteotomy drill and aids in its correct direction

Easy workflow

Treatment registration form

Treatment register & up-load CT

Planning by specialized engineers

Review and verification with the oral surgeon

Fabrication and shipment

Pack subperiosteal implants

- Conversion of double CT Cone Beam (clinic) or helical (hospital).
- Design and planning of the subperiosteal frameworks by engineers specialized in craniofacial and maxillofacial medicine.
- Sending the planning by e-mail.
- Review and modification in remote control with the engineers.
- Creation of the surgical report.
- Fabrication and shipment of the subperiosteal implants, cutting guide and positioning guide if necessary.
- Delivery to the clinic of all the surgical material, osteosynthesis screws, rescue screw, screwdriver tips, handle and osteosynthesis drills.

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Website

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