Clinical Case
NobelReplace® Conical Connection and NobelGuide®
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Prof. Alessandro Pozzi
Surgeon and Prosthodontist
Rome, Italy

All-on-4 maxilla and mandible
Female patient
62 years old

Implants:
2 x NobelReplace CC NP 3.5 x 13mm
2 x NobelReplace CC RP 4.3 x 11.5mm
2 x NobelReplace CC RP 4.3 x 13mm
2 x NobelReplace CC RP 4.3 x 16mm

Surgery date:
July 1st, 2012

Time for total treatment:
6 months

Type of implant procedure:
NobelGuide guided surgery, flapless

FDI POS:
Edentulous maxilla and mandible

„A new exciting tooling to achieve an accurate and straightforward implant placement in each clinical situation. The new NobelGuide System merges the well proven predictability of the computer assisted template guided implant placement with the outstanding biomechanical and biological features of the new NobelReplace Conical Connection“
Moderate bone atrophy of the upper and lower jaws. The patient refused any bone augmentation procedures, requesting a minimally invasive approach. The patient's main concern was the final prostheses had to restore natural esthetics and function with an adequate lip and cheek support and a nice smile design.

Clinical situation following removal of all teeth, 2-month healing time. During healing time the patient wore therapeutic dentures to rehabilitate the TMJ and re-establish the natural facial vertical and sagittal dimensions.

Full clearance

Courtesy of Prof. Alessandro Pozzi
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Digital treatment planning in NobelClinician Software

Digital treatment planning of All-on-4 treatment of the maxilla in NobelClinician Software.

Digital treatment planning of All-on-4 treatment of the mandible in NobelClinician Software.

Courtesy of Prof. Alessandro Pozzi
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Guided surgery - Maxilla

The maxilla NobelGuide Surgical template stabilized with Anchor Pins and the first implant with the Guided Template Abutment.

Four NobelReplace Concial Connection RP 4.3 implants (11.5 mm axial implants and 13 mm tilted implants) positioned with Guided Template Abutments on anterior implants and Guided Implant Mount Conical Connection on angled posterior implants.

Courtesy of Prof. Alessandro Pozzi
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Guided surgery - Mandible

Placement of mandible anterior NobelReplace Concial Connection implants using the Guided Implant Mount Conical Connection.

Four NobelReplace Concial Connection implants positioned with Guided Template Abutments on NP 3.5 x 13 mm anterior implants and Guided Implant Mount Conical Connection on angled RP 4.3 x 16 mm posterior implants.

Courtesy of Prof. Alessandro Pozzi
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Prosthetics

90 days post-operative x-ray with Conical Connection Healing Abutments in place.

Try-in of maxilla NobelProcera CAD/CAM Hader’s titanium Bar and of NobelProcera Zirconia Implant Bridge in the mandible.

Courtesy of Prof. Alessandro Pozzi
Final maxilla overdenture with Lithium Disilicate Single Crowns fully anchored on a titanium bar and mandible Zirconia Implant Bridge with Lithium Disilicate Single Crowns cemented on the surface, 16 weeks post-operative.

Final x-ray, 16 weeks post-operative. The computer assisted template guided implant placement allowed an accurate and safe implant positioning for both the axial and tilted implants.