Clinical Case
Custom-made Devices

June, 2012
Custom-made Devices

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Anterior restoration
Female patient
24 years old
Young woman was wounded by a gun shot during a robbery in a store and afterwards referred to a specialist clinic in Sweden for treatment.

The solution for this gunshot victim was made possible by custom-made devices and 3D software from Nobel Biocare.

FDI POS:
Teeth 21, 22, 23, 24
Patient with a significant defect in the left maxilla. The patient was injured from a gun shot.
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Predominantly cortical bone graft was harvested from the iliac crest, seen here in place as a 3 dimensional defect reconstruction of the bone that will later host 3 implants.

Implants, placed with the aid of the NobelGuide concept.

Courtesy of Prof. Lundgren
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Maxillary osteotomy

Virtual computerised 3D planning showing the 3 planned Brånemark System implants in a correct position but in a remote site.

Segmental anterior maxillary osteotomy with the bone block including the 3 implants. Custom designed distraction device, produced by Nobel Biocare prototype workshop, also acting as a temporary bridge active distraction and consolidation period.

Courtesy of Prof. Lundgren
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Comparison before and after the implant insertion

Before the treatment.

After completed bone grafting, implant insertion and distraction osteotomy.

Courtesy of Prof. Lundgren
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Final bridge

Permanent zirconium/ceramic Procera bridge in place.

Courtesy of Prof. Lundgren
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Final solution

Bridge delivery.

Lip correction after bridge delivery.

Courtesy of Prof. Lundgren