**CLINICAL CASE** 



# Restoration of a missing lateral incisor

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**Dental technicians Luc & Patrick Rutten** 

### Case description

Restoration of a missing lateral incisor

### Patient

22 years, male

#### **Clinical situation**

Congenitally missing right lateral and peg shaped left lateral maxillary incisor

#### **Surgical solution**

Extraction & immediate placement of NobelActive® TiUltra™ implant

### **Restorative solution**

Temporary: SnapTemp abutment and Tempshell crown Final: NobelProcera® ASC Full Contour Zirconia Implant Crown

#### Surgery date(s) April, 2019

**Total treatment time** 3 months

**Tooth position(s)** 12 Patient with congenitally missing right and peg-shaped left lateral incisor.

Orthodontic treatment was carried out to align the teeth and create the correct space for restoration of both lateral incisors.

The maxillary left incisor was restored with a lithium disilicate veneer followed by extraction of right deciduous lateral incisor with immediate placement of a NobelActive® TiUltra™ implant and immediate provisionalisation.

Simultaneous soft tissue augmentation was carried out with sub-epithelial connective tissue graft.



Initial clinical	Treatment	Surgical	Restorative	Outcome
situation	planning	procedure	procedure	



Clinical view of patient with retained deciduous right maxillary lateral incisor and peg-shaped left lateral. Note the poor relative proportions of the incisors, anterior crowding and the lack of adequate space for the maxillary lateral incisors.

Apical root resorption of the retained right lateral incisor.

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## Initial clinical situation

Treatment planning

Surgical procedure Restorative procedure

Outcome



Clinical situation after 14 months of orthodontic treatment.





Digital planning of the implant placement and digitally designed TempShell in the DTX Studio<sup>™</sup> Implant software.

Initial	clinical
situat	ion

Treatment planning Surgical procedure Restorative procedure

Outcome



Immediate postoperative situation with temporary crown in place on a 3mm SnapTemp abutment and a connective tissue graft to augment labial volume. NobelActive® TiUltra™ 3.5 x 10 mm implant. Radiograph of the NobelActive® TiUltra™ implant with the SnapTemp abutment right after the surgery.

Case courtesy of Tidu Mankoo 6/12

## Initial clinical situation

Treatment planning

Surgical procedure

Restorative procedure

Outcome



At 2 months, impressions were taken (both conventional and digital) and shade communication provided to the laboratory. The temporary was refitted.



DTX Studio<sup>™</sup> Lab software was utilized to design the zirconia framework for a NobelProcera<sup>®</sup> ASC Full Contour Zirconia Implant Crown with labial cutback and veneered with porcelain on the labial side (work by Luc & Patrick Rutten).

Initial clinical	Treatment	Surgical	Restorative	Outcome
situation	planning	procedure	procedure	



Delivery of the final prosthetic 3 months after the implant placement.

# Initial clinicalTreatmentSurgicalRestorativesituationplanningprocedureprocedure



1 week follow-up: Intraoral view of the final restoration.

Outcome

Initial	clinical
situat	ion

Treatment planning

Surgical procedure

Restorative procedure

Outcome





Clinical situation showing pleasing esthetic result after one month of follow-up.

Radiograph of the implant and the final prosthesis.

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Case courtesy of Dr. Tidu Mankoo



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