**CLINICAL CASE** 



# Single-tooth replacement in the posterior region using the On1<sup>™</sup> concept

**Giacomo Fabbri** Italy



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**Patient** Female, 36 years old

**Clinical situation** Missing tooth after extraction of lower left first molar

#### **Surgical solution** NobelReplace CC RP 5×10 mm On1 Base CC RP 1.75 mm On1 Healing Cap RP 1.5 mm

**Restorative solution** On1 Universal Abutment RP 0.3 mm with a full-contour zirconia crown

**Surgery date** August 2016

**Total treatment time** 3 months "The On1 concept represents a great solution for treatment of the posterior region. It offers many advantages from a biological and biomechanical perspective. Moreover, it minimizes the patient's discomfort during all prosthetic procedures."



Surgical procedure

Restorative procedure

#### Outcome



The patient requires an implant-supported rehabilitation of the second molar after tooth extraction three months earlier. Clinical and anatomical conditions are favorable for proceeding with a one-stage surgical approach without any grafting procedures.

X-ray evaluation before the implant placement.

### Surgical procedure

Restorative procedure

#### Outcome



A NobelReplace CC implant is placed slightly below the residual bone crest in order to maintain a soft tissue thickness of 3 mm above the implant platform. The torque is measured to 35 Ncm.

#### Surgical procedure

Restorative procedure

#### Outcome



An On1 Base is placed on the implant and torqued to 35 Ncm.

### Surgical procedure

### Restorative procedure

#### Outcome



Suture after placement of the On1 Healing Cap.



X-ray evaluation immediately after the surgery.



Intraoral situation eight weeks after the implant surgery.

The soft tissue shows good healing after removal of the On1 Healing Cap.

## Surgical procedure

### Restorative procedure

#### Outcome



X-ray evaluation to control proper seating of the impression coping.

Master cast with On1 Base Replica.

### Surgical procedure

### Restorative procedure

#### Outcome



The On1 Universal Abutment is placed on the master model.

The On1 Universal Abutment makes it possible to create a screwretained solution, which allows the use of various technologies and materials for the definitive crown.

Courtesy of Dr. Giacom

#### Surgical procedure

### Restorative procedure

#### Outcome



The final restoration seated on the model



The final restoration. Monolithic screw-retained full-contour zirconia cemented onto the On1 Universal Abutment.

Surgical procedure Restorative procedure

#### Outcome





Intraoral view of the final prosthetic outcome. The screw access hole was closed with Teflon and composite.

X-ray evaluation of the final restoration.

Surgical procedure

Restorative procedure

#### Outcome



X-ray evaluation after implant placement.

X-ray evaluation after the delivery of the final screw-retained crown.

X-ray evaluation after one month of function.



Intraoral situation 2.5 years after implant placement.

X-ray evaluation 2.5 years after implant placement.

Case courtesy of Dr. Giacomo Fabbri



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