

# ESTHETIC SINGLE TOOTH REPLACEMENT WITH A BONE LEVEL IMPLANT

ROBERT NIEBERLER

## Initial situation

The 40-year old patient is a non smoker, has no other limiting diagnoses and has no periodontitis. Prior treatment was not required. She was referred by her dentist because of destruction of the tooth in region 15.

## Procedure

Because the apex was in the immediate vicinity of the sinus, immediate implantation was not performed following tooth extraction. After precise preoperative planning, a Straumann® Bone Level implant (Ø4.1mm, RC, length 10mm, SLActive) was inserted 8 weeks later.

It should be mentioned that during insertion the implant could be aligned optimally with the aid of the white mark (Figure 2). Introduction of the gingiva former and abutment is extremely easy because of the precise 4-groove connection (Figure3). Figure 4 shows the uninflamed mucosa around the healing abutment during transgingival healing and prior to prosthetic restoration. Wound healing was uncomplicated (Figures 5–9).

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*Figure 1: Preoperative clinical situation.*



*Figure 2: Implant with transfer part in situ.*



*Figure 3: Healing abutment, Ø6mm, height 6mm, transgingival healing.*



Figure 4: Clinical situation before taking the impression.



Figure 5: Impression.



Figures 6,7: Anatomical abutment, straight, gingiva height 2mm.



Figure 7.



Figures 8,9: Lateral view of the finished crown.



Figure 9.



Figure 10: X-ray of the finished crown.

### Treatment outcome and conclusion

The radiograph 7 months after implantation shows that the implant is very well osseointegrated (Figure 10). The clear growth of bone over the 45° level of the implant is apparent and very visible. From this case it can be recognized clearly that the Straumann Bone Control

Design™ promotes optimal bone deposition and stability of the soft tissue. The coordinating emergence profiles of the healing abutments and abutments of this implant line also enable outstanding esthetics and natural shaping of the soft tissue. Thus, the Straumann® Bone Level Implant completes the Straumann® Dental Implant System in an optimal manner.

### Prosthetic restoration:

Angela Schilling-Schön, dentist, Gröbenzell/Germany

### Dental laboratory:

Hans Bauer, master dental technician, Fürstenfeldbruck/Germany

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