
Clinical relevance

Long-term bone stability
Stable marginal bone levels from initial remodeling to 5-year follow-up.

Healthy soft tissue
Soft tissue health improved significantly from surgery to prosthetic delivery and remained stable throughout.

High patient satisfaction with function and esthetics
Continuous improvement in oral health-related quality of life.

The results

- Stable marginal bone levels, with a mean remodeling of -0.80 ± 1.13 mm from insertion to 5 years.

- High implant survival rate at 5 years of 97.8%.
- Full or more than half of the papilla height regenerated at 90.1% of the sites at 5 years.
- Minimal or no sulcus bleeding at 98.8% of sites and low plaque accumulation at 93.8% of sites at 5 years.
- High Pink Esthetic Score of >9.1 at 1 through 5-year follow-up visits.
- High patient satisfaction with function and esthetics, with the mean complaint rate (OHIP-14) of 0.84 on a scale of 0 to 14 at 5 years.

Study design
Prospective, single-cohort, multicenter

94 patients

Single-tooth
Anterior maxilla
Immediate provisionalization

99 NobelReplace CC

78 NobelProcera single crowns + 18 others

5-year follow-up
Sample clinical case from the study

45-year-old female patient with no history of periodontitis received NobelReplace CC 3.5 x 13 mm in the first premolar site, FDI position 14 (a). Bone quality was hard (type 2), and the final insertion torque was 45 Ncm. The implant was immediately provisionalized. Clinical images and radiographs acquired at final prosthetic delivery, and 1-, 3- and 5-year follow-up (b–e) show healthy hard and soft tissue responses, accompanied by a visible improvement in esthetics.

Authors' conclusion

“The high survival and success rates of immediately provisionalized NobelReplace CC implants in the esthetic zone combined with the good peri-implant tissue health were reflected in continuous improvement in patient oral health-related quality of life.”

More to explore

Read on PubMed  FOR. Interface precision in conical connection implants  nobelbiocare.com/nobelreplace