

A Prospective Clinical Study to Evaluate the Performance of PURE Ceramic Implants in Single Tooth Gaps: 3-Year Results¹

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Aim

- To evaluate the mid-term clinical performance of a Straumann® PURE Ceramic Implant Monotype in single-tooth gaps in the maxilla and mandible
- To confirm the previously published results² on hard and soft tissue parameters after 3 years of follow-up

Study duration



3 Years

Patients



17 27

Mean age

48 Years

Study design

Indication

Single tooth gaps

Protocol

Transmucosal implant placement in healed extraction sites

Provisionalization

After 12–14 weeks

Final restoration

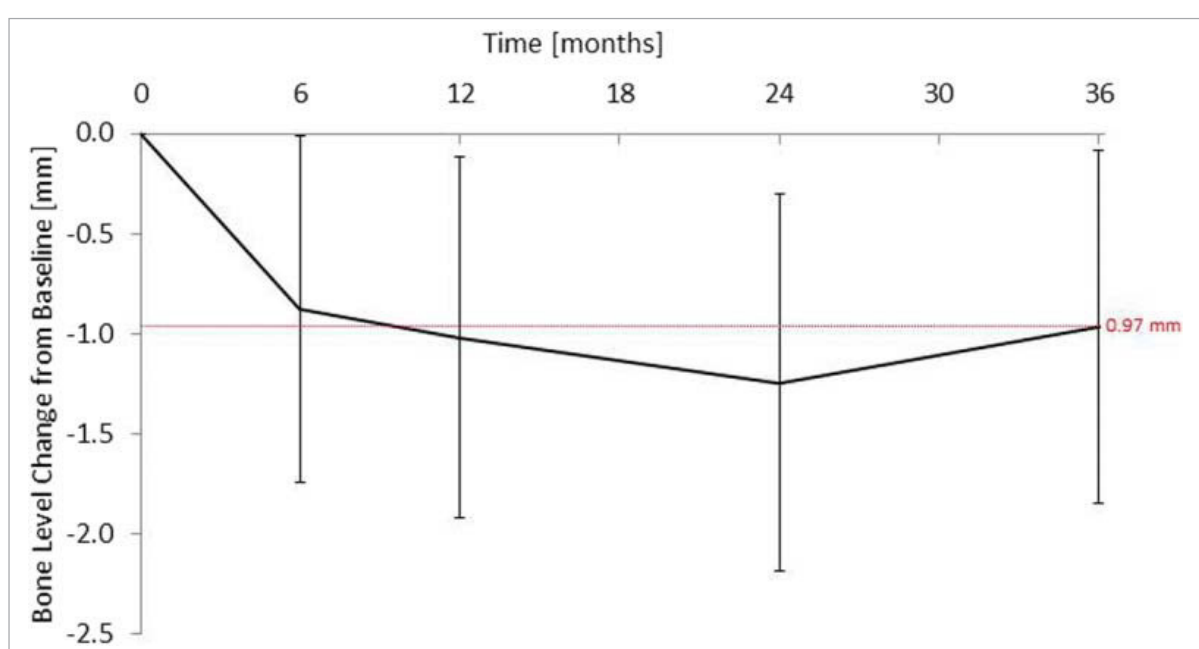
After 28 weeks

Study implant



Straumann® PURE Ceramic Implant Monotype

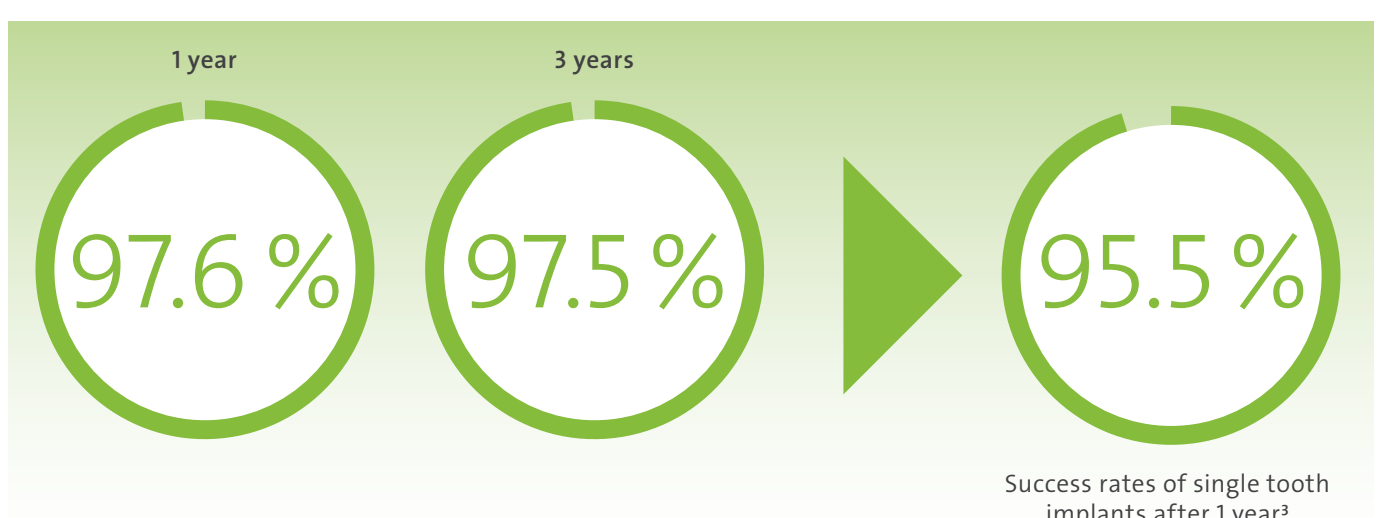
STABLE bone levels



After an initial remodeling phase (0–6 months), crestal bone level remained stable, 0.09 mm change between 6 months and 3 years.

EXCELLENT performance

Implant success and survival after 1 and 3 years follow-up vs. meta-analysis^{1,2}



Success rates of single tooth implants after 1 year³

Conclusions

- Straumann® PURE Ceramic Implant Monotype shows excellent survival and success rates of 97.5% and stable bone levels after 3 years of follow-up.
- The PURE Ceramic Implant Monotype offers a reliable and successful treatment alternative to Titanium implants.

References

¹ Bormann 2013 (v0.1) KH, Gellrich NC, Kniha H, Schild S, Weingart D, Gahlert G. A Prospective Clinical Study to Evaluate the Performance of Zirconium Dioxide Dental Implants in Single Tooth Gaps in the Maxilla and Mandible: 3-Year Results. Manuscript submitted. ² Gahlert_COIR_2015 1 year_epub (v0.1) M, Kniha H, Weingart D, Schild S, Gellrich NC, Bormann KH. A prospective clinical study to evaluate the performance of zirconium dioxide dental implants in single-tooth gaps. Clin Oral Implants Res. 2016; 27(12): e176-e184. ³ den Hartog_JClinPeriodontol_2008_35_1073 (v0.1) L, Huddleston Slater JJR, Vissink A, Meijer HJA, Raghoobar GM. Treatment outcome of immediate, early and conventional single-tooth implants in the aesthetic zone: a systematic review to survival, bone level, soft-tissue, aesthetics and patient satisfaction. J Clin Periodontol. 2008; 35: 1073-1086.