

5-year Clinical Practice Data Strengthen Favorable Outcomes With the SPI®ELEMENT Implant Line

Jaquière C et al, Dent. J. 2014; 2:106-17



Background

SPI®ELEMENT implants from Thommen Medical ...

- ✓ ... cover a wide **range of indications**
- ✓ ... are suitable for **sub- as well as trans-gingival healing**
- ✓ ... have been reported to have **excellent survival rates and stable marginal bone levels**



Aim

Investigate the survival and bone loss rates of SPI®ELEMENT dental implants in clinical practice



Study Design

The patient population reflected conditions in private practices*

71 patients received 114 SPI®ELEMENT implants**



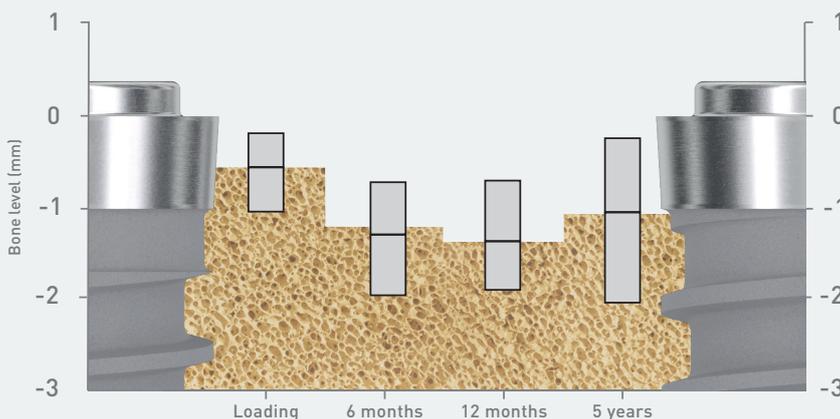
- 7% of patients were smokers
- 17% of patients had previous periodontitis treatment



Results

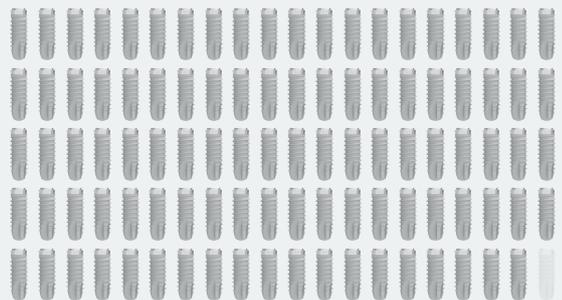
Excellent survival and stable marginal bone levels over 5 years with SPI®ELEMENT implants

Stable marginal bone levels over 5 years‡



High implant survival rate

99% of implants survived††



Stable peri-implant soft tissue

Stable pocket depths (PD) and clinical attachment levels (CAL) over time

Over 5 years, bone levels stabilized between the machined implant collar and the structured implant surface



Key Takeaways

This real-world study ...

- ✓ ... demonstrates excellent implant survival and stable marginal bone levels over 5 years follow-up
- ✓ ... confirms favorable outcomes with the SPI®ELEMENT implant line

*No specific inclusion criteria were defined **97% of implants were followed up for 5 years †Implant assessment was performed with standardized X-rays, measurements of CAL, assessment of PD, and a manual check of implant mobility ††One implant was lost before loading due to an acute infection of unknown origin ‡Mesial bone levels are represented. Median and the interquartile range are shown. Original graph was slightly modified for presentation reasons. No data was altered. CAL, clinical attachment level; PD, pocket depth.