SLActive® implants are a long term safe and predictable treatment option: 10-year results from a randomized controlled multicenter study

Study design

- **Indication:** maxilla or mandible of partially edentulous patients; temporary restoration (single crown or 2–4 unit fixed partial denture) was replaced by permanent restoration at 20 to 23 weeks post-surgery

- **Randomized controlled multicenter study:**
  - **64 Patients**
  - **10 years Study Follow-up**
  - **31 Immediate loading:** 58 implants (restored after 28–34 days)
  - **Early loading:** 66 implants (restored after 26–108 days)

Results

- **Mean crestal bone level change after 10 years**
  - After initial remodeling phase (5–6 month) where implant depth placement had an influence on the initial bone remodeling, no significant differences between the two treatment groups were found.

- **Implant survival**
  - Early loading group 98.2%
  - Immediate loading group 97.1%

Patient satisfaction

- General satisfaction was excellent for over 90% of the patients (90% in the early and 92.3% in the immediate loading group).
- Patient satisfaction for comfort, appearance, ability to chew and ability to taste was rated as excellent in at least 80.4% for all criteria.

Conclusions

- SLActive® implants are a long-term safe and predictable treatment option.
- The 10-year follow-up of SLActive® implants placed in the posterior jaws confirmed comparable survival rates and bone level changes after early and immediate loading.

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2. Mean crestal bone level change between 5-6 month post-surgery (permanent fixed restoration placement) and 10 years.

3. Kaplan Meier survival analysis based on original patient population (96 patients and 127 implants).

4. SLActive® implants are a long-term safe and predictable treatment option. The 10-year follow-up of SLActive® implants placed in the posterior jaws confirmed comparable survival rates and bone level changes after early and immediate loading.