SLActive® implants are a long term 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 20 to 23 weeks post surgery

Randomized controlled multicenter study

64 Patients
64 Patients
31
31
10 years Study follow-up
10 years Study follow-up

Indication
Immediate loading
39 implants (restored the same day)

Immediate loading group
0

Early loading group
-2

Early loading
50 implants (restored after 28–34 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*
98.2 %
Immediate loading group
97.1 %
Early loading group

*Based on preliminary data.

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 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.

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