

## Study design

A randomized controlled clinical study comparing NobelActive™ Internal and External with NobelReplace™ Tapered. Implants (single or multiple) were placed in healed sites in maxilla or mandible, both anterior and posterior. All implants were subjected to immediate function.

## Study population

12 centers in Europe included 177 patients and 325 implants in the study. 199 NobelActive™ implants (both Internal and External) and 126 NobelReplace™ Tapered implants (control group) were placed.

## Survival rate

The cumulative survival rates for NobelActive™ and NobelReplace™ implants after 1 year are virtually the same, 96.5% and 97.6% respectively. No significant differences between groups.

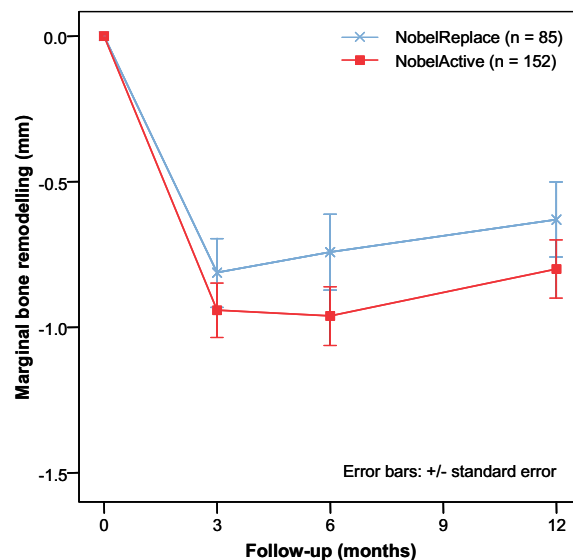
## Marginal bone remodelling

The marginal bone resorption between implant insertion and the one-year follow-up was  $0.8 \pm 1.2$  mm for NobelActive™, and  $0.6 \pm 1.2$  mm for NobelReplace™. No significant differences between groups.

## Soft tissue parameters

The papilla index improved over time in both NobelActive™ and NobelReplace™ sites.

Soft tissue variables, plaque and periimplant mucosa, were stable over time for both implant types.



## Conclusions

- The study shows good survival data for NobelActive™ with a cumulative survival rate of 96.5%. This survival rate is at an expected level for implants placed in immediate function without bone grafting.
- Good crestal bone preservation with bone levels and bone resorption comparable to the NobelReplace™ control group.
- Stable soft tissue conditions during the first year in function.
- The study shows that NobelActive™ performs well under demanding clinical conditions, i.e. immediate function.
- The study shows that NobelActive™ performs well in a wide variety of indications (from single tooth to full arch cases), in all positions and in all bone qualities.