

All-on-4[®] treatment concept – efficient and reliable full-arch restorations.

Science First

The All-on-4 treatment concept provides edentulous and soon-to-be edentulous patients with an efficient and effective restoration using four implants to support an immediately delivered full-arch prosthesis.

Proven long-term solution

Up to 10 years follow-up in the mandible and 5 years in the maxilla.^{1,2}

High survival rates

High cumulative survival rates (CSR) in both edentulous maxilla and mandible.¹⁻⁸

Mid-term 3–4 years 96.3–100%⁴⁻⁶

Long-term 5–10 years 94.8–98.0%^{1,2}

Favorable bone and soft tissue parameters

Stable marginal bone levels⁴⁻⁸ and healthy soft tissue⁵ both for tilted and axial implants.

Rapid improvement in quality of life

Immediate implant loading with a fixed provisional prosthesis quickly leads to improved patient satisfaction – with regards to function, esthetics, sense, speech, and self-esteem.^{7,8} In an OHIP (oral health

impact profile) study, 95% of 250 patients described themselves as being either extremely satisfied (74%) or satisfied (21%) with their new teeth, and 98% said they would definitely recommend (88%) or consider recommending (10%) similar treatment to friends and colleagues.⁹

Shorter treatment times

Two key elements of the All-on-4 treatment concept significantly reduce treatment complexity, the number of surgeries, and the overall treatment time: tilting of the posterior implants avoids the need for time-consuming bone grafting procedures and reduces prosthetic cantilevers, while immediate loading shortens time to teeth.

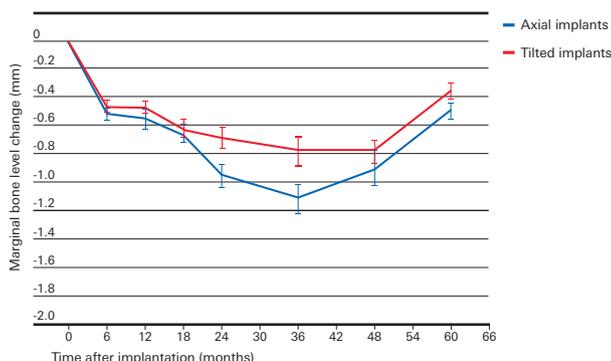
Lower costs

The All-on-4 treatment concept is not only the least time-consuming treatment option in comparison with conventional implant treatment modalities of the edentulous and soon-to-be edentulous jaw, but also the least costly.¹⁰

For healed and extraction sites

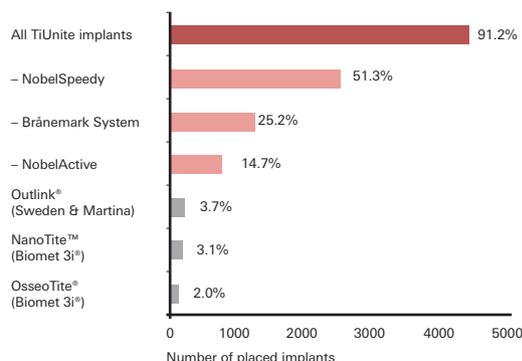
The All-on-4 treatment concept is successful in healed and extraction sites,⁸ also in combination with the treatment concept NobelGuide with guided drilling and implant insertion.^{12,13}

Stable bone levels around axial and tilted implants



Implants immediately loaded with radiographic baseline set at time of insertion. Therefore all bone remodeling is reported. Graph shows results for mandible, but results for maxilla are similar.⁴

TiUnite implants are the implants of choice for the All-on-4 treatment concept



Systematic review of clinical studies on All-on-4 treatment concept until August 3, 2012 (13 of 487 initially identified papers met the inclusion criteria). Nobel Biocare implants with TiUnite surface are predominantly used for this type of full-arch restoration (adapted from Patzelt et al. 2013).¹¹

Clinical evidence supporting the All-on-4[®] treatment concept.

Published clinical studies evaluate the use of approximately 10,000 implants (NobelSpeedy Groovy, Brånemark System, NobelActive) in 2500 patients in both edentulous mandible and maxilla, with follow-up times of up to 10 years.

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