

Teeth-in-an-Hour™ with the NobelGuide™ Concept

A computerized treatment planning procedure based on 3-D CT-scan images was developed in a cooperation between the Catholic University of Leuven and Nobel Biocare AB¹⁻³. The planning procedure makes it possible to preview suggested implant placement and fabrication of a customized surgical template. The combination of the Procera® Software planning program and a customized drilling template allows for implant placement via flapless surgery (*NobelGuide*), and also immediate placement of a pre-fabricated fixed prosthesis (*Teeth-in-an-Hour*)⁴⁻¹¹. In a retrospective study 30 consecutive patients, including 212 implants, have been followed up to 5 years¹².

Results from a prospective clinical study on the *Teeth-in-an-Hour*™ concept showed that the treatment procedure allowed for precise implant placement, which made immediate delivery of the final prosthesis possible in all patients. The post-operative pain was reported as minimal, and all prostheses and individual implants were recorded as stable after one year⁷. The concept, with minimal invasive and simplified surgery, reduces the treatment time and post-surgical discomfort⁹⁻¹⁰. A preliminary evaluation of the All-on-4 concept and treatment according to the *NobelGuide*™ procedure has shown promising results in a prospective clinical study¹¹.

References

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