Digital precision for all indications

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Fig. 1. NobelClinician is a user-friendly software for diagnostics, treatment planning and patient communication. It uses state-of-the-art technologies to help dental professionals improve all aspects of dental implant treatment.

Fig. 2. The easy-to-use surgical templates help to ensure correct angulation, direction and depth from the very first drill. The custom-manufactured surgical templates help ensure accuracy by guiding the initial drill according to the digital treatment plan created in the user-friendly NobelClinician Software.

Ten years since its launch, the NobelGuide guided surgery concept has evolved from an ambitious idea to become a solution many clinicians find indispensable. NobelGuide is a complete treatment concept for diagnostics, treatment planning and guided implant surgery—from a single missing tooth to an edentulous jaw. It helps to diagnose, plan the treatment and place implants based on restorative needs and surgical requirements.

Right from the start

NobelGuide offers a predictable solution—from start to finish. Clinicians can choose to complete the whole surgery fully guided, or to use a surgical template just for pilot drilling.

With the latter option the easy-to-use surgical templates help to ensure correct angulation, direction and depth from the very first drill. The custom-manufactured surgical templates help ensure accuracy by guiding the initial drill according to the digital treatment plan created in the user-friendly NobelClinician Software. The software provides safety margins and a warning system to help the clinician avoid critical anatomical structures, meaning implants can be placed in narrow spaces with greater confidence—even NobelActive 3.0. The clinician will then continue with freehand surgery once the initial drill has been used.

The range of surgical pilot drill templates has been extended to cover both partially edentulous and edentulous cases, allowing more patients to benefit from NobelGuide’s precision.

Powerful diagnostics and treatment planning

Key to NobelGuide is the NobelClinician Software. It allows clinicians to plan dental implant treatment with precision and confidence by assessing detailed 3-D patient scans. Implant placement can be brought to life on screen and teeth can even be extracted virtually, meaning the surgeon can take into account important factors such as the availability of bone and prosthetic needs before actual tooth extraction. Precise measurements can be taken and the software even alerts the clinician when implants risk being placed too close to anatomical structures.

Fig. 1, Fig. 2
benefit from this predictable treatment option that helps to provide an optimised aesthetic and functional outcome. This means the templates can now be used for the All-on-4® treatment concept, helping the clinician to overcome challenges such as bone resorption, avoid critical anatomical structures and place implants deeper when treating edentulous patients.

This is made possible by the sleeve-offset function. It supports bone reduction and the deep placement of implants such as NobelParallel Conical Connection which are increasingly placed subcrestally. It also allows for the initial treatment plan to remain unchanged.

_A seamless workflow for every case_

Every case is different. That is why NobelGuide offers a choice of treatment workflows—with and without the use of a radiographic guide.

Since partially edentulous patients do not need a radiographic guide, the clinician can save time with one less patient visit. They can also take advantage of the integrated treatment workflow. It connects Nobel Biocare’s digital treatment planning software, 2G NobelProcera scanner, high-end production, guided implant surgery, Communicator iPad® app and OsseoCare Pro iPad®-operated drill unit to enable the treatment team to communicate, collaborate and perform with ease.

Once the clinician has marked the critical anatomical structures using the NobelClinician Software they collaborate with the lab technician to develop a precise model scan. The clinician can then confidently develop a treatment plan thanks to NobelClinician’s SmartFusion technology, which provides the patient’s (CB)CT data together with the intra-oral situation, soft tissue information and diagnostic setup. At this point they can increase patient acceptance by using the Communicator iPad® app to explain the treatment plan to their patient. Finally, they have the freedom to choose between guided pilot drilling and fully guided implant insertion at any point during the workflow, using a custom-manufactured surgical template.

For edentulous patients the workflow includes the radiographic guide with a double-scan protocol. Once the clinician has made a clinical diagnosis, they fabricate and clinically validate the diagnostic tooth setup, transforming it into a radiographic guide—their prosthetic reference during treatment planning. After making a (CB)CT scan of the patient and the radiographic guide, they define the implant position, order a custom-manufactured surgical template and proceed with guided drilling and implant insertion.

_A clinician’s guide to success_

From the initial diagnosis to the first guided drill, from partially edentulous to edentulous workflows, NobelGuide supports the clinician from beginning to end. It is no wonder that ten years since its launch NobelGuide has gone from strength to strength, improving treatment predictability and providing peace of mind to an ever-increasing number of clinicians.

Find out more at nobelbiocare.com/nobelguide

Fig. 3. In narrow spaces the guided pilot drill helps to ensure precise implant placement, thanks to NobelClinician’s safety margins and a warning system that helps the clinician avoid critical anatomical structures.

Fig. 4. The integrated treatment workflow connects NobelClinician, the NobelProcera 2G System, NobelGuide, the Communicator iPad app and OsseoCare Pro to provide the treatment team with a seamless process from diagnosis to restoration.

Fig. 5a & b. The NobelClinician Software together with the guided pilot drill helps to avoid complications when treating edentulous patients. The clinician can make use of all available bone and if bone reduction is needed, they can use NobelClinician’s sleeve-offset function.