

TempShell SOLUTION

Collaborate
from the start



Collaborative workflow for TempShell

Introducing Nobel Biocare collaborative workflow for an individualized screw-retained provisional on the day of the surgery.

Designed to

- increase treatment efficiency and patient acceptance using digital tools;^{1,2}
- further improve collaboration between clinician and dental lab; and
- provide fast time-to-teeth.



1. First patient visit

- ✓ Capture patient data digitally with (CB)CT, intraoral scan and clinical pictures.
- ✓ Use DTX Studio™ Implant to create a prosthetic-driven implant treatment plan.
- ✓ Build patient confidence with a visual treatment plan.



2. Production in-lab

- ✓ Finalize the provisional design with the DTX Studio™ Lab³ software.
- ✓ Export the provisional stl file and produce it in-lab.
- ✓ Send TempShell to the clinician prior to surgery.



DTX Studio™ Implant – From scan to plan at the first visit

Fast visualization with SmartFusion

Effortlessly combine (CB)CT data with stl files from intraoral or desktop scanner for detailed visualization of the anatomical situation.

Easy planning with SmartSetup

Immediately get a patient-specific digital wax-up and create a prosthetic-driven implant treatment plan.

Closer collaboration with the lab

Instantly share the data through a cloud with a lab that uses DTX Studio™ Lab software.

DTX Studio™ GO – Work hand in hand from the start

DTX Studio™ Lab

For labs, DTX Studio™ Lab offers new alternatives for collaboration, prosthetic design and production.

Connect with the team

Collaborate efficiently with clinicians and provide additional services, such as TempShell.

Save time with a fully digital workflow

Design in a click, based on a digital plan for in-lab production.

1 Imburgia M. Patient and team communication in the iPad era – a practical appraisal. Int J Esthet Dent 2014,9(1): 26-29

2 Imburgia M, Coachman C. Using digital devices to improve communications between clinicians and patients during implant-prosthetic treatment: a clinical study [#519]. 23rd Annual Scientific Meeting of the European Association for Osseointegration. Rome, Italy: Wiley; 2014. p.538

3 DTX Studio™ suite is a digital platform for dental diagnostics and treatment consisting of modules connecting the patient's treatment workflow from beginning to end.

Personalized teeth on the day of surgery

Immediate Function is a proven concept with predictable outcomes for Nobel Biocare implants. It has the potential to improve esthetic results, shorten healing times and increase patient satisfaction.⁴

With TempShell, you can now offer more treatment options by providing passive-fitting patient-specific provisionals on the day of surgery.



3. Day of surgery

- ✓ Place Nobel Biocare implants designed for Immediate Function.
- ✓ Convert the TempShell chairside into a passive fitting, screw-retained provisional.
- ✓ Provide personalized provisional on the day of surgery.

TempShell – screw-retained CAD/CAM provisional

Fast esthetic results

Digitally created for each patient. Easy to adjust according to the implant position.

Reduced chair time

Fewer adaptations using patient-specific restorations. Use the wings to ensure correct positioning of the provisional.

Temporization with a snap

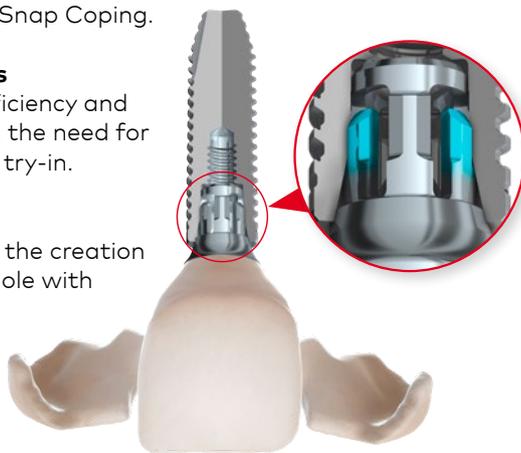
TempShell is complemented by the Temporary Snap Abutment and Multi-unit Abutment Plus with Temporary Snap Coping.

Try-in without screws

Snap fit improves efficiency and handling by removing the need for screw fixation during try-in.

Easy screw access

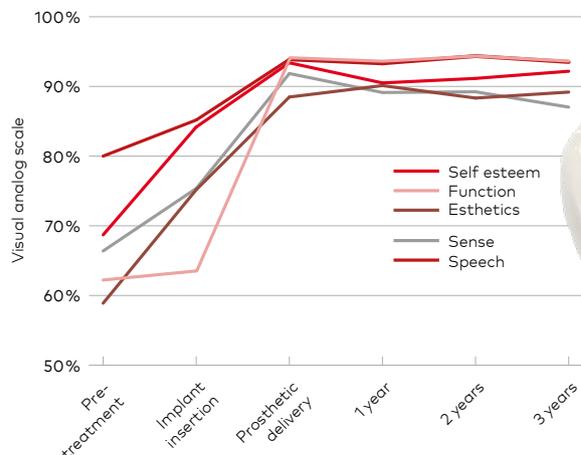
Drill Guide facilitates the creation of the screw access hole with the Apical Drill.



Immediate Function

Immediate increase in quality of life

Immediate Function quickly leads to improved patient satisfaction in terms of function, esthetics, sense, speech and self-esteem.



Significant improvements in patient self-ratings right after implant insertion and at delivery of the final prosthesis.⁵



⁴ Science First, Volume 2, Issue 1, 2014.

⁵ Kolinski ML, Cherry JE, McAllister BS, Parrish KD, Pumphrey DW, Schroering RL. Evaluation of a Variable-Thread Tapered Implant in Extraction Sites With Immediate Temporization: A 3-Year Multicenter Clinical Study. J Periodontol. 2014 85(3):386-94.

Clinical case: CAD/CAM provisional on the day of surgery



Dr. Léon Pariente



Dr. Karim Dada



Dr. Maxime Drossart

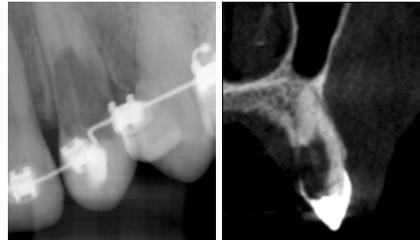
"This workflow allows us to be more efficient in all treatment stages, from diagnosis to final restoration. And we are confident that we provide the best possible outcomes for our patients."

Dr. Léon Pariente from Paris, France

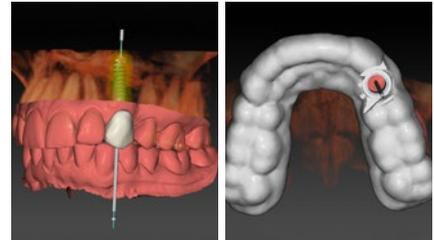
32-year-old female, root resorption of upper left canine.



Smile view of the upper left canine before treatment.



Preoperative X-ray and cross-section view of the resorbed tooth.



After merging intraoral and CBCT scans in DTX Studio™ Implant, a SmartSetup is obtained, the implant positioning is planned and a surgical template is created.



The severely resorbed canine is extracted atraumatically.



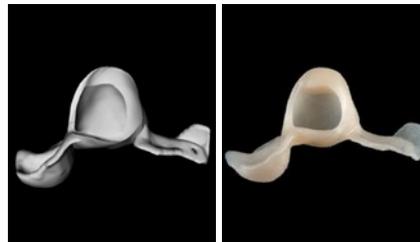
Note the preservation of the soft tissue contour after extraction.



Immediate implant placement (NobelActive 4.3x13 mm). NobelGuide was used during drilling sequence and implant insertion.



Occlusal view after implant placement. Sufficient primary stability was obtained for immediate loading of the implant.



A temporary shell was designed and milled in-lab and shipped to the clinician before the surgery.



Proximal wings are used to place the temporary shell in the correct position.



An engaging provisional titanium abutment is connected to the temporary shell. The emergence profile is adapted and wings removed. Implants displayed for illustration only.



Insertion of the temporary screw-retained crown on the day of surgery.



Frontal view of healing three months after the surgery.

nobelbiocare.com/tempshell

