

Nobel Biocare adds dynamic navigation to digital workflow, extends range of regenerative and edentulous solutions

Media release

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At the 2018 Annual Scientific Meeting of the European Association for Osseointegration, held in Vienna, Austria, October 11–13, Nobel Biocare announces the next step in its digital workflow with a new option for same-day guided surgery made possible by DTX Studio Implant and the X-Guide dental navigation system. In addition, the company is introducing creos mucogain, a resorbable collagen matrix for soft-tissue regeneration, as well as NobelPro Line in order to highlight the possibilities of Nobel Biocare's comprehensive range of edentulous treatment solutions.

DTX Studio Implant empowers X-Guide™

With X-Guide, clinicians have a new treatment option for same-day surgery available now that DTX Studio Implant empowers this innovative system for dynamic 3D navigation. With the official launch for European markets at EAO in Vienna, treatment plans from DTX Studio Implant (formerly NobelClinician) can be quickly delivered to the patient, facilitating a workflow for diagnostics, implant planning and dynamically navigated implant surgeries, even during emergency interventions where computer-assisted surgeries until now could not be fully applied.

The connection between DTX Studio and X-Guide aims for clinicians to achieve high precision shorter time-to-teeth treatments including screw-retained provisionalisation with full three-dimensional control of their implant site preparation and dynamically monitored implant insertion. On the day of treatment, the clinician carries out the 3D (CB)CT scan, intraoral surface scans, creates the treatment plan in DTX Studio Implant, and immediately exports it with all the planning components to X-Guide. Similar to a GPS in a car, X-Guide provides stable, lag-free real-time 3D intraoral guidance of the drill and implant position in relation to patient anatomy.

X-Guide is manufactured by X-Nav, a North America-based innovator in dental 3D navigation who has exclusively partnered with Nobel Biocare.

Creos™ mucogain: The natural alternative to autologous soft-tissue grafts

Extending Nobel Biocare's range of solutions for guided bone regeneration and guided tissue regeneration, the new creos mucogain resorbable collagen matrix is intended to be used as an alternative for autologous soft-tissue grafts in various soft-tissue indications such as soft-tissue volume augmentation and root coverage in submerged healing.* Composed of highly purified porcine collagen and elastin fibers, it features an open interconnecting porous structure designed to promote soft-tissue regeneration through the migration of cells and blood vessels into the matrix.^{1,2}

The matrix offers high stress resistance and suture retention² that is sufficient for the tunneling technique.³ Thanks to a "memory effect", it retains its initial volume when hydrated.² Creos mucogain is available in different sizes (15x20 mm and 25x30 mm) as well as thicknesses (3 and 5 mm) and offers excellent handling as it can be used directly out of the packaging and trimmed to precisely fit the surgical site.³

¹ Boekema B, et al. J Mater Sci Mater Med 2014;25(2):423–433.

² Olde Damink, L, Heschel, I, Leemhuis, H, et al. Soft tissue volume augmentation in the oral cavity with a collagen-based 3D matrix with orientated open pore structure. Current Directions in Biomedical Engineering 2018; 4(1): 237 – 241

³ Wessing B, Vasilic N. Clin Oral Implants Res 2014;25(s10):342.

(www.dentalcongressposters.com/eao2014/wessing.pdf) [poster presentation]

Mastering the extreme with NobelPro Line™

Highlighting its comprehensive range of edentulous treatment solutions, Nobel Biocare is further announcing NobelPro Line to showcase the benefits of Immediate Function along with the latest advancements in minimally-invasive care. With an assortment of clinically successful and proven treatment options, ranging from NobelSpeedy to NobelZygoma, clinicians can take the All-on-4® treatment concept to new heights and treat even the most challenging maxillary cases with moderate up to severe resorption. For advanced clinicians who want to take the next step with NobelPro Line, Nobel Biocare will be offering tailored training in addition to existing courses in order to enhance their skills in edentulous treatment. More details will become available in 2019. Clinical insights on X-Guide, the creos mucogain and NobelPro Line will be also given during clinical lectures and hands-on courses presented by Nobel Biocare in Vienna. More information is available online at www.nobelbiocare.com/eao and at booth D02.

Hans Geiselhöringer, President of Nobel Biocare said: “Nobel Biocare once again shows that it is a leading force in bringing cutting-edge technology and solutions to clinicians worldwide. With the addition of dynamic navigation to its digital workflow, Nobel Biocare looks forward to helping more clinicians leverage the latest in implant treatment technology. Together with forward-looking regenerative solutions like creos mucogain as well as NobelPro Line, they now have better treatment options available to lead more patients to Immediate Function and excellent esthetics.”

* See “Instructions For Use” for full prescribing information, contraindications, warnings and precautions.

Nobel Biocare is a world leader in the field of innovative implant-based dental restorations. The company’s portfolio offers solutions from single tooth to fully edentulous indications with dental implant systems (including key brands NobelActive®, NobelParallel®, Brånemark System® and NobelReplace®), a comprehensive range of high-precision individualized prosthetics and CAD/CAM systems (NobelProcera®), treatment planning and guided surgery solutions (NobelClinician® and DTX Studio) and biomaterials (creos™). Nobel Biocare supports its customers through all phases of professional development, offering world-class training and education along with practice support and patient information materials. The company is headquartered in Zurich, Switzerland. Production takes place at five sites located in the United States, Sweden, Japan and Israel. Products and services are available in over 80 countries through subsidiaries and distributors.

Contact

Daniel Zimmermann

Senior Manager Public Relations

+41 79 152 69 09

daniel.zimmermann@nobelbiocare.com