Nobel Biocare announces new digital workflow and new regenerative product at Global Symposium in New York

Announcement of new fully integrated digital workflow

With a strong focus on patient safety and treatment efficiency for dental professionals and their patients, Nobel Biocare is developing a seamless workflow, from patient diagnostics and treatment planning to surgery and later also prostheses, all efficiently and digitally connected through Nobel Biocare’s secure online network, NobelConnect. The next step, previewed at the symposium, continues to build on the individual strengths and expertise of the treating team by digitally linking NobelProcera laboratory technicians and NobelClinician users.

Starting with diagnostics and treatment planning in NobelClinician software, the highly accurate surface model obtained with the second-generation NobelProcera 2G Scanner can now be included at any stage of treatment through fully automated and precise smart fusion technology. This enables even better representation of intraoral tissue for diagnostics and planning. Furthermore it reduces (procedural) treatment costs and shortens treatment time by allowing CT/CBCT scans to be taken at the first patient visit, offering clinicians a truly flexible way of working.

Radiographic guides, specific markers and scan protocols are no longer necessary. A decision on guided surgery can be taken at any stage. Fully automated, precision-fitted surgical templates are generated at the click of a button using the integrated surface scan and planned implant
positions. In addition to the fully guided traditional approach, NobelGuide now offers options for guided pilot drilling. The decision on the position, orientation and depth of the first drill during implant site preparation is one of the most crucial steps. The NobelGuide pilot drill template helps to solve this challenge and enables clinicians to finish the surgery using their existing freehand techniques. All surgical templates can be visualised immediately in NobelClinician and ordered online, and are delivered ready for use.

The iPad-operated drilling unit OsseoCare Pro truly sets a smarter standard in safety and efficiency, and is seamlessly linked to NobelConnect. This allows the secure transfer of digital plans from NobelClinician directly to the intelligent device for freehand surgery or guided surgery options—all immediately and neatly documented in automated clinical reports. After the surgery, patient-specific data is exported back to NobelClinician and stored in the fully encrypted NobelClinician file for later reference.

Able to run on both Windows and Mac OS X, NobelClinician is continuously expanding its user base. With the recently introduced volume rendering technique, a patient’s anatomy can be evaluated more easily before surgery. The innovative NobelClinician Communicator iPad app allows for review of NobelClinician plans together with the patient to understand the proposed treatment better. The app, available from the Apple App Store, is aimed at increasing treatment acceptance and securely links through NobelConnect to any iPad.

A predictable restorative outcome is assured through the design of individualised prostheses in NobelProcera software. The software is directly linked to the global network of NobelProcera production facilities for the manufacture and delivery of functional and natural-looking dental restorations designed to last a lifetime.

New regenerative product to be added to Nobel Biocare’s products and solutions portfolio

Nobel Biocare recently entered the field of regenerative solutions with a new membrane, creos xeno.protect, which it will offer in selected European markets. A biodegradable collagen membrane, creos xeno.protect is for dental use in guided bone regeneration and guided tissue regeneration procedures. It creates a favourable environment for bone regeneration in the defect area by preventing the migration of undesired cells from the
surrounding soft tissue and allowing the ingrowth of osteogenic cells. The first results demonstrated excellent revascularisation behaviour and tissue compatibility, combined with an extended barrier function. The membrane furthermore offers excellent handling properties, with a minimal size increase when hydrated, as well as easy repositioning and unfolding. The official launch date will be advised at a later date.

New NobelProcera abutment will achieve aesthetics from a new angle

Precise engineering has been part of Nobel Biocare’s heritage since its beginning and the forthcoming NobelProcera Angulated Screw Channel (ASC) Abutment is another milestone in that history. This new NobelProcera abutment can be designed with an angulated screw channel, which allows for a more optimal and aesthetic screw access position. Clinicians were previously limited to cement-retained solutions in some cases for aesthetic reasons or because of access difficulties; now they can opt for screw-retained solutions and experience easy placement and removal options with a screw access hole that can be placed according to preference.

The concept behind the angulated screw channel is to provide a free choice of screw access position to improve aesthetics (in the anterior region), enable easier access (in the posterior region) and provide restorative flexibility with increased treatment options. All this is supported by the new easy-to-handle Omnigrip interface tool. With the unique Omnigrip interface, the friction-based pick-up component of the screwdriver easily connects to the screw. Screw tightening is then possible in all situations, whether the screwdriver is straight or at an angle. The ASC concept combined with Omnigrip will be introduced in 2014, starting with selected NobelProcera abutments.

Foundation for Oral Rehabilitation inaugurated at Nobel Biocare Global Symposium 2013

The official inauguration of FOR took place on 20 June during the Nobel Biocare Global Symposium 2013 in New York. Goodwill Ambassador for the United Nations Population Fund Dr Bertrand Piccard was awarded the foundation’s first FOR Humanity Award in recognition of his Winds of Hope humanitarian foundation. Prof. P.-I. Bråemark was elected the first FOR Honorary Fellow. Shaped by leading clinicians and scholars, FOR aims to build on Nobel Biocare’s long-standing commitment to science, education and humanitarian engagement. By promoting oral health care and humanitarian endeavours, the foundation seeks to provide on-demand opportunities for learning, sharing and mentoring for better patient care. Its endowment of FOR demonstrates the strong emphasis Nobel Biocare places on training and education, and underscores the future contributions the company plans to make to the oral health community. Visit www.for.org to learn more about FOR and these latest announcements.

Innovative scientific Nobel Biocare Global Symposium covers four complete patient journeys

The Nobel Biocare Global Symposium 2013, themed “Designing for life: Today and in the future”, was aimed at the dental professional who wants to acquire the latest science-based knowledge and techniques in implant dentistry. The innovative and insightful programme was designed to maximise the learning experience. The programme centred on four patient journeys: missing anterior and posterior single teeth; missing multiple anterior teeth; missing multiple posterior teeth; and managing the terminal/failing dentition—the transition to edentulism. The attendees were able to follow each patient journey from planning to maintenance, including possible complications and how to avoid them. Important clinical themes were also covered, such as minimally invasive treatment, graftless solutions, immediate replacement and function, soft-tissue health and aesthetics. The programme included the most recent information on the key factors for successful oral rehabilitation, such as diagnosis and treatment planning, surgical and restorative treatment, and patient follow-up.

Learn more about the latest products, solutions and events on the Nobel Biocare website, which offers product information, first-user comments, course programmes, an online store for easy purchase and much more._