Nobel Biocare Global Symposium 2013: ‘Designing for Life’

By Fred Michmershuizen
Dental Tribune

Some of the brightest minds in implant dentistry gathered at the Waldorf Astoria in New York City June 20–22 for the Nobel Biocare Global Symposium 2013. The theme of the sold-out event, which attracted more than 2,000 participants from around the world, was “Designing for Life: Today and in the Future.”

During the four-day meeting, Nobel Biocare made two major announcements: the launch of the Foundation for Oral Rehabilitation (FOR), an independent, international initiative that unites professionals from various disciplines to improve oral health care and support humanitarian leadership (see Page B7); and the introduction of a new, fully integrated digital workflow (see Page B8).

It was the second such meeting conducted by Nobel Biocare (the first was held in 2010) and, from the very beginning, excitement was in the air. Some of the presentations were offered in 3-D; the meeting had its very own app and participants discussed the event on social media sites such as Facebook and Twitter.

Richard Laube, CEO of Nobel Biocare, explained the theme of the proceedings during opening remarks, when he pointed out that many patients being treated today will have their implants not just for years but for decades to come. It was a theme that was repeated during the next

See NOBEL, page B4
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<th>Laboratory Abutment</th>
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<th>Zirconia/Zirconia Attachment</th>
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The first two days of the symposium covered four complete “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. Attendees were able to follow each patient journey from planning to maintenance, including possible complications and how to avoid them. The latest science-based knowledge and techniques available in implant dentistry were presented. Important clinical themes, such as minimally invasive treatment, graftless solutions, immediate replacement and function, soft-tissue health and es-

> See NOBEL page B6

Richard Laube, CEO of Nobel Biocare, welcomes symposium attendees.
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<th>Case Size</th>
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A dental technician day and a post-symposium day were also part of the event. Between educational sessions, meeting attendees had plenty of opportunity to network with one another, to explore some of New York City’s many sights and attractions, and to socialize. A symposium party, held Friday night at Pier 60, overlooking the Hudson River, offered libations, live music and lots of good times.

During a lighthearted moment toward the end of his main program presentation, Dr. Gerard Chiche displayed before-and-after pictures of a woman he had treated with dental implants, explaining that for many patients improved dentition means a better life. Not only did this woman have much better looking teeth in the “after” shot, he pointed out, she also looked better overall.

“When the smile changes, the hair changes and then the clothing changes,” Chiche said. “Sometimes even the husband changes.”

Thanks to the scientific knowledge being shared during the symposium, even patients who decide to change spouses will have teeth that will last a lifetime.

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Dr. Gerard Chiche offers a presentation during the introductory session.

Symposium attendees learn more about the Nobel Biocare digital workflow.

Symposium attendees participate in a hands-on course.

Attendees take the opportunity to learn more about products between educational presentations.

Dental professionals from around the world gather for a symposium party at Pier 60, overlooking the Hudson River.
The Foundation for Oral Rehabilitation (FOR) — an independent, international initiative that unites professionals from various disciplines to improve oral health care and support humanitarian leadership — was inaugurated during the Nobel Biocare Global Symposium, which took place June 20–23 in New York City. Bertrand Piccard, a Goodwill Ambassador for the United Nations, was awarded the recipient of the foundation’s first FOR Humanity Award.

FOR has been funded by an initial endowment of 1 million Swiss francs provided by Nobel Biocare.

Joining FOR grants exclusive access to a broad range of benefits created to help improve patient care in daily clinical practice. FOR connects its participants, allowing them to globally share their expertise and extend their professional profiles. Young participants can benefit from the personal mentorship and support in advancing their careers as emerging leaders in science, education and humanity.

“FOR provides a multi-dimensional platform to assist professional colleagues from diverse specialties and cultural backgrounds to focus on optimizing treatment outcomes for their patients,” said George Zarb, chairman of FOR. “Those who join FOR become part of a community with a shared desire and dedication to improve the quality of life of patients.”

The mission of the new foundation is to achieve effective worldwide patient care through scholarship and humanitarian engagement. This network is centered on three key areas: science, education and humanity.

FOR SCIENCE helps participants stay at the forefront of innovation and scientific breakthroughs by collaborating with leading experts and researchers from various fields. Through special “FORum” events, experts and participants will have the opportunity to showcase their research and share their ideas before an international audience.

FOR EDUCATION provides an interactive learning platform but, even more, aims to unite a global community of experts to provide clinical fellowship, mentorship, and mutual support to improve the quality of life of patients. Young professionals can interact with mentors and peers for personal and professional development and lifelong learning. The FOR platform (www.FOR.org) will provide an interactive learning environment that gives participants the ability to connect with experts and peers and keep up-to-date on the latest advancements in patient care.

FOR HUMANITY recognizes humanitarian achievement and initiatives. Piccard was awarded the foundation’s first FOR Humanity Award in recognition of his efforts, such as his “Winds of Hope” humanitarian foundation. Shared humanitarian values and engagement are integral to FOR’s culture because they ensure support for humanitarian projects and provision of free products for treating patients in need. FOR recognizes outstanding individuals who advance the cause of human welfare.

FOR welcomes active participation from all disciplines and specialties in the field of oral rehabilitation. By promoting oral health care and humanitarian endeavors, the foundation seeks to provide on-demand opportunities for learning, sharing and mentoring for better patient care.

(Source: Foundation for Oral Rehabilitation)
Nobel Biocare announces new digital workflow

During its Global Symposium in New York, Nobel Biocare unveiled a new, fully integrated digital workflow and a new regenerative product. The announcements were made June 21 by Richard Laube, CEO of Nobel Biocare, and Hans Geiselhöringer, executive vice president, global research, products & development, during a press conference.

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 prosthetics — all digitally connected through Nobel Biocare’s secure online network, NobelConnect.

The next linked steps, previewed during the symposium, continue to strongly build on the individual strengths and expertise within the treating teams, connecting NobelProcera lab technicians and NobelClinician users digitally together.

Starting with diagnostics and treatment planning in the NobelClinician Software, the surface model obtained from the second-generation NobelProcera 2G Scanner can now be added to the scene at any stage of the treatment through a fully automated and precise smart fusion technology.

This enables even better representation of intraoral tissues for diagnostics and planning, according to Nobel Biocare. Furthermore, it reduces procedural treatment costs and shortens timelines by allowing CBCT scans to be taken at the first patient visit, offering clinicians a truly flexible option.

Radiographic guides, specific markers and scan protocols are no longer needed. The decision for guided surgery can be taken at any stage. Fully automated, precision-fitting surgical templates are automatically generated at the click of a button using the integrated surface scan and planned implant positions.

Next to the traditional fully guided approach, NobelGuide will now also offer options for guided pilot drilling. The decision for the position, orientation and depth of the first drill during the implant site preparation is one of the most crucial steps for a clinician.

The NobelGuide pilot drill template helps to solve this challenge and yet enables clinicians to finish the surgery using their existing free hand techniques. All surgical templates can be visualized immediately in the NobelClinician Software, ordered completely online and are delivered ready to use.

The iPad-operated drilling unit, Osseocare Pro, truly sets a smarter standard in safety and efficiency and is seamlessly linked to NobelConnect, according to Nobel Biocare. The iPad-operated drilling unit, Osseocare Pro, truly sets a smarter standard in safety and efficiency and is seamlessly linked to NobelConnect, according to Nobel Biocare. The iPad-operated drilling unit, Osseocare Pro, truly sets a smarter standard in safety and efficiency and is seamlessly linked to NobelConnect, according to Nobel Biocare. This allows the secure transfer of digital plans from NobelClinician directly into the intelligent device for free hand surgeries or guided surgery options — all immediately and neatly documented into 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.

Running on both Windows PCs and Mac OS X, NobelClinician is continuously expanding its user base. With the recently introduced Volume Rendering technique, a patient’s anatomy can be easily evaluated before surgery.

The NobelClinician Communicator iPad App allows for reviewing NobelClinician plans together with the patient to better understand the proposed treatment. The app, available in the Apple App Store, focuses on increasing treatment acceptance and securely links through NobelConnect to any iPad.

A predictable restorative outcome is assured through the custom design of individualized prosthetics in the NobelProcera Software, the surface model obtained from the second-generation NobelProcera 2G Scanner. The software is directly linked into the global network of NobelProcera production facilities for the manufacturing and delivery of functional and natural-looking dental restorations designed to last a lifetime.
D4D Technologies, an award-winning developer of digital technologies for dentistry, and Henry Schein, Inc., recently announced the all new E4D® NEVO™ Scanner and Design Center, enhancing the ease-of-use in digital dental restorations for the benefit of the patient and the practitioner. Available exclusively in the United States, Canada, Australia and New Zealand from Henry Schein, the E4D NEVO Scanner and Design Center represents a new level of precision, proficiency and productivity versus prior D4D systems, according to the company.

The NEVO Scanner technology is based on years of experience with powder-free image capture in the intraoral environment and is the first scanner to use E4D’s patent-pending blue laser technology, which provides exceptional quality of data capture, video-rate speed and ease of use, the company says.

The new E4D NEVO Design Center is a powerful laptop computer that uses high-speed Thunderbolt™ technology with the NEVO Scanner to provide more energy and double the bandwidth of USB 3 connections, resulting in fast processing and alignment of scans. Plug-and-play convenience gives all offices the flexibility to customize their E4D NEVO configuration.

“The E4D NEVO Scanner and Design Center represents what we call the ‘Natural Evolution’ of digital dentistry,” said Mark Quadling, CEO of D4D Technologies. “We’ve combined the latest technologies to create an even easier-to-use restoration experience. With NEVO, we believe doctors have the potential to further improve the quality, fit and predictability of restorations, affording the patient a great outcome and strengthening the practitioner’s clinical offering.”

The NEVO Scanner employs for the first time blue laser technology that offers an improved ability to capture the fine details that allow for more precise and accurate prosthetics, according to the company. The solid-state NEVO Scanner incorporates many advances to ensure an exceptional scanning experience, including fog-free scanning, ergonomic design, removable tips for infection control, active heat dissipation for full-arch scanning and color-coded feedback for the operator.

The new system features a laptop-based E4D NEVO Design Center, which gives the practitioner increased flexibility and portability. Dentists can easily move the E4D NEVO Design Center from operatory to operatory, or even among multiple offices, all while wirelessly connected to the milling center for maximum productivity and patient service.

“Henry Schein is proud to be the exclusive partner of D4D in bringing this exciting new technology to market,” said Tim Sullivan, president, Henry Schein North American Dental Group. “We believe in a patient-centric approach to clinical care, and the new E4D NEVO Scanner and Design Center greatly enhances the benefits of digital dentistry for the patient, which in turn will enhance the practice of our customers. We fully expect that the E4D NEVO system will drive increased demand for digital dentistry, for the new user as well as for those customers who upgrade their systems.”

The E4D NEVO Scanner and Design Center will be featured at the E4D Business of Dentistry conference in Las Vegas from Aug. 8-10 (www.businessofdentistry.com/e4d) and are expected to be available in September.

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