A NEW IMPLANT LINE FOR CONICAL CONNECTIONS

Implants with conical connections are predicted to become one of the fastest-growing segments in the dental implant market. With its new InterActive system of conical connection implants and abutments designed by company founder Dr Gerald Niznick, implant solutions provider Implant Direct has recently introduced a new implant line designed to provide a platform compatible with the NobelActive and NobelReplace conical con- nections.

According to the company, the design of the new implants was modi- fied for full seating of abut- ments without requiring confirming radiographs. In addition, a piloting feature has been added to the bottom of the abut- ment’s hex to help guide insertion. An internal thread in the abutment shaft retains the screw while the abutment is rotated to be fully seated in the im- plant’s deep hex. Soft- tissue management has also been im- proved through the concave emergence profile of the InterActive abutments, transfers and healing collars.

According to Implant Di- rect, the body of the Inter- Active implant matches that of the Legacy 2 implant with dou- ble lead body threads over the tapered two-thirds of the implant for faster insertion. They are flat based and therefore become pro- gressively deeper towards the apex for an increased surface area, the company said. The com- bination of a tapered implant body with a round apex and three long vertical cutting grooves al-

NEOSS IMPLANTS COMBINE SIMPLICITY WITH SCIENCE

Last year, NEOSS introduced its new Tapered Implant at the EAO congress in Copenhagen in an ef- fort to expand its portfolio of den- tal implant solutions. Its system, developed with a single platform in mind, now comes with 100 com- ponents, including the Clinical Or- ganiser instrument tray, screw-re-

NEOSS states that the system gives cli- nicians the freedom to work with cement- or screw-retained solu- tions in titanium, gold or zirconia. The im- plants themselves are currently available as straight and tapered, as well as in five diam- eters and lengths, ranging from 7 to 17 mm. According to the company, they are suitable for all bone densities. Owing to their special Thread Cutting and Forming geometry, the im- plants possess thread sharp (biting), as well as the threads’ con- stituent properties. Their surface is ultra-clean and has high wettability, a requirement for successful os- seointegration. With the help of a single platform, single screw- driver and procedure-friendly im-

pressions, communication within the abutment can be en- hanced, NEOSS said.

Made of highly durable sil- icone and interlock- ing parts (a jigsaw) for surgery, instruments and layout that can be used in combination or individu- ally, the Clinical Organiser was developed to allow simple cleaning and provide unrivalled ease of use. The surgical section of the instrument tray has clear markings for drill selection and depth on one side, and offers stor- age for instruments and drills dur- ing sterilisation on the other side. The misdirecion may be used in combination with other parts or alone for prosth- odontics. The layout sec- tion provides wells for storage of implants, and cover and abut- ment screws on one side, and of prosthetic components, crowns and bridges on the other side. For serial cases, multi- ple organisers can be used for higher cost-effectiveness, the company said.

Designed to eliminate po-

tential soft- tissue problems, Access abutments are intended to balance strength and aesthetics. They fit all NEOSS implant diame- ters and expand the indications for the NEOSS system by allowing for a screw-retained restoration re- quiring 10, 20 or 30 degrees of angu- lation in as little as 4.5 mm of interocclusal space.

The aesthetic resta- tive components comprise Prepable Titanium Abut-
ments, Zirconia Abutments and Tissue Formers, which come in a range of shapes for all positions, enabling simple creation of the op- timal emergence profile, and al- low easy, fast and aesthetic solu- tions through their design. Ac- cording to NEOSS, Tissue Formers may be used as healing abutments or prepared for cement- or screw- retained provisional restorations. An optimal result is achieved by choosing the same type of provi- sional and permanent restoration, as well as the same position as dur- ing healing.

OPEN ARCHITECTURE PLATFORM PRESENTED BY HENRY SCHEIN

Under the brand of Connect- Dental from Henry Schein, ad- vanced solutions for dental prac- tices and dental laboratories through digital impressions, reli- able and extensive communica- tion capabilities, as well as a wide selection of products from lead- ing CAD/CAM system and mate- rial manufacturers will be on dis- play at this year’s EAO congress. Furthermore, a number of com- plementary services are pro- vided through this platform, in- cluding education and training concepts for the dental practice and laboratory teams.

The new platform focuses on digital impression and CAD/CAM systems that, according to Henry Schein, will simplify the work- flow between the dental practice and dental laboratory. The aim is to enhance digital dentistry by ex- panding patient services, improv- ing treatment outcomes and expe- rience, as well as paving the way for a patient-centric model that delivers a complete solution, the company said.

As a long-term partner of den- tal customers developing their practices and laboratories, Henry Schein considers itself a leader in supporting the evolution of the digital highway, which it regards as an important tool in the im- provement of dental and general health, in Europe, the company currently boasts 190 CAD/CAM and digital dentistry specialists, as well as 460 specially trained technicians. In addition, it main- tains over 50 Henry Schein Den- tal Centres that provide individ- ual advisory services and com- prehensive training, including demonstration programmes adapted to individual require- ments.

“The profound expertise of Henry Schein’s specialists in digi- tal systems is a unique feature. Our specialist teams work hand in hand to ensure comprehensive advice and an individual opti-
MIS PRESENTS NEW TOOL FOR VIRTUAL IMPLANT PLANNING

MGUIDE MORE, the latest tool for virtual implant planning and guided implantology will be on display by MIS. According to the Israeli dental implant solutions provider, the system can accurately transform DICOM data into 2-D and 3-D images to depict real cases in a virtual environment, thus enabling real-time visualisation for perfect implant planning.

Among other features, the user-friendly software incorporates the production of a fully validated drilling template for accurate guided implantation with predictable prosthetic outcomes, the company said. Through sharing their cases, and taking part in demonstrations and discussions, implantologists using the MGUIDE software have access to an extensive online information hub involving several professionals, including doctors, dental laboratories and prosthodontists. A remote access feature allows direct interaction with another member’s MGUIDE MORE planning process.

The prosthetic driven planning can be performed via the MIS network of MCENTER facilities, in addition to using the software. Full technical support and guidance are currently provided in over 20 countries in five languages.

With MGUIDE MORE process begins with a single patient CBCT scan, which is converted into DICOM compatible data and uploaded for a 3-D clinical evaluation. At the implant planning and template design stage, the integration of a scanned wax-up and stone models enable virtual top-down planning, as well as the template design from which stereolithographic templates are produced. The open wire-frame templates are made using advanced 3-D printing technologies to ensure optimum fit and are constructed from a strong, durable biocompatible material that is lightweight for enhanced patient comfort.

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NEW DEVELOPMENTS AND BENEFITS OF OSSTELL ISQ DISCUSSED AT EAO MEETING

The Implant Stability Quotient (ISQ) has become a global standard unit for implant stability, according to the Swedish developer Osstell. New developments and the clinical benefits of the technology will be discussed at the company’s Scientific Forum meeting, which will be held tomorrow at 7:45 in Liffey Hall 2 of the Dublin Convention Centre.

A certain level of initial implant stability and the assurance of osseointegration over time have proven to be crucial for long-term implant success. According to the Swedish company, the Osstell ISQ is a totally objective scale. A searchable database with information on all types of implants currently on the market is available to the scientific community. The database, which has been developed by the ISQ, can be accessed via the company’s website.

Ostell ISQ offers special value when treating patients with implants with a higher risk of failure, the company said. If the initial mechanical stability is high enough, a one-stage approach is often used together with immediate- or early loading. Measuring again before the final restoration and comparing that value to the baseline value taken at placement, can help to make the decision whether to proceed or not, easier and more objective. In addition, Osstell ISQ does also meet the demand for shorter treatment time.

So far, more than 500 articles have been published involving the Osstell technique and the ISQ scale. A searchable database with abstracts is currently available at the company’s website.

3SHAPE DIGITAL IMPRESSION TAKING SYSTEM WELCOMED BY DENTAL LABORATORIES

The TRIOS intraoral scanning system facilitates a new and improved means of co-operation between dental clinics and laboratories, according to Danish manufacturer 3Shape. Precise scanning of the preparation, antagonist and bite can be performed entirely in the clinic with the device and sent to the laboratory, which is able to work with the files immediately, resulting in a less time-consuming, labour-intensive and expensive restoration. Extra work for the laboratory due to the shortcomings of conventional impression taking, such as blood tissue hiding the preparation margin line, can be avoided. Final fitting is also improved owing to the higher precision TRIOS scanning is said to deliver.

Kenneth Dalgaard, owner of Dalgaard Dental Laboratory in Copenhagen, agrees that the system is the best and most precise of its kind on the market. His laboratory, which has offered all types of crowns, including implant crowns, since 1968, has recently invested in the scanner system in order to provide clients with a better service at more flexible prices. One of the main advantages, he says, is that impressions or scans can be viewed, adjusted and discussed even while the patient is in the chair. Moreover, areas lacking data can easily be erased and re-scanned without having to redo the entire impression.

Restoration can be done via immediate provisional prosthetic solutions produced in advance using MGUIDE MORE prosthetic tools for laboratory technicians.

In addition, open wire-frame templates produced with MGUIDE MORE provide an open field of view during surgery, allowing the administration of anaesthetic and irrigation from all angles without removing the template. Raised flap surgery can also be performed more easily. The MGUIDE MORE surgical kit not only enhances accuracy and safety for a smoother guided procedure, but also simplifies the implantology process by eliminating the need for traditional guidance keys, the company said. Specially designed sleeves and drills stop at the precise position and depth planned, freeing up hands and saving valuable time.
TRI+ Universal interface with leading digital technologies

TRI Dental Implants sets new standards with TRI+ as a universal implant interface with leading technology partners in digital dentistry. Linked with a lean dental implant system, TRI+ offers treatment options from simple to complex without limits.

- 3D-Planning & Guided Surgery
- Customized CAD abutments
- CADCAM Cement-retained crowns and bridges
- CADCAM Screw-retained bars and bridges

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BOOTH S15

Through Research Innovative
www.tri-implants.com
Gratis Infoline: 00800 3313 3313

Designed and Made in Switzerland
UNIVERSAL INTERFACE FOR DIGITAL DENTISTRY TREATMENT LAUNCHED BY TRI

With the increase of suppliers and closed digital systems for guided surgery and dental CAD/CAM, it has become difficult for clinicians to stay abreast of the advantages of each system. TRI Dental Implants has said to have developed a universal interface for greater transparency and eliminating barriers in digital dentistry treatment, which will be on display at the EAO Annual Scientific Meeting this year for the first time.

According to TRl, the TRI+ interface offers enhanced treatment options and a new approach to the drilling protocol for guided surgery, which is intended to facilitate immediate implant placement after the first drilling procedure. "TRI+ gives our customers the flexibility to work with their preferred providers in digital dentistry whilst benefiting from the simplicity of our Swiss dental implant system. With this seamless interface, we guarantee infinite treatment options for our customers in the fields of CAD/CAM and guided surgery without concern about compatibility issues," CEO of TRI Dental Implants Tobias Richter said.

According to Richter, the digital compatibility of the TRI Dental Implants system allows a wide range of indications via 3-D planning, such as guided surgery, CAD abutments, CAD/CAM screw-retained bars and bridges, as well as CAD/CAM cement-retained crowns and bridges. Furthermore, All-on-4 procedures have become possible to perform.

Academy of Osseointegration

SAVE THE DATE! • 29TH ANNUAL MEETING

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SEATTLE
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OPEN CAD/CAM SOLUTIONS

In order to complete its offer in industry-leading dental equipment and software, Planmeca has recently introduced a full range of open CAD/CAM solutions. From high-precision desktop milling units to sophisticated CAD software and digital impression scanners, they include all tools that are required for open CAD/CAM dentistry, the Finish company said.

According to Planmeca, the quick and accurate digital impression scanner Planmeca PlanScan provides real-time digital impressions from one-tooth to full-arch scans, which can be sent to any dental lab for CAD work. It is also the first unit-integrated impression scanner. Available as a stand-alone version, the Planmeca PlanScan can also be connected to a laptop, for example. The new open CAD software suite for easy 3-D design, has been integrated in the Planmeca Romexis software as a perfect tool for designing prosthetic works from individual inlays to full-arch bridges and abutments. Final designs can then be sent to Planmeca PlanMill 40, a new 4-axis milling unit designed for glass ceramic and other materials.

For dental laboratories, Planmeca also offers a fast and maintenance-free desktop lab scanner for scanning plaster casts with the Planmeca PlanScan Lab. Final designs can be processed with Planmeca PlanMill 50, an accurate 5-axis milling machine designed for dental labs or ordered fast and reliably from Planmeca’s CAD/CAM milling centre PlanEasyMill, which offers a wide range of materials and fast deliveries. "Our CAD/CAM solutions are truly unique, as the system is completely open and flexible," explains Mr Jukka Kanerva, Director of Dental care units and CAD/CAM division at Planmeca Oy. "Dentists and laboratories can choose either the entire solution and benefit from the integrated workflow, or just pick the necessary parts and send the open data to their partners."

TRI DENTAL IMPLANTS, SWITZERLAND
www.tri-implants.com
Booth S15

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MECTRON IMPLANT CLEANING INSERT

Mectron’s new insert for implant cleaning is said to be easy to use while being soft on the implant. The bonding friendly instrument will be available for all mectron scalers (tipholder ICS) and for Perio-surgery (tipholder ICP), the Italian company said. According to mectron, the tipholder ICS/ICP in combination with the IC1 tip, allow optimal access and gentle plaque removal. A long and ergonomic form of the tipholder ICS/ICP is supposed to facilitate access even in the posterior region and to simplify handling during the maintenance treatment of implants in order to prevent periimplantitis. The IC1 tip consists of biocompatible plastic material (PEEK), which is known to be gentle and soft on titanium implant surfaces.

Since it has no metal core, damages on the implant surface once the plastic got consumed are prevented. In addition, it can be used on ceramic and metal restorations as well as natural teeth, the company said. The tip IC1 also does not require any key in order to be fixed on the tipholder ICS/ICP as it can simply be screwed on by hand. They are both sterilizable and reusable. The complete set, consisting of one tipholder ICS/ICP and five IC1 tips, is already available on the market.

SOREDEX HAS DIGITAL INTRAORAL SYSTEM ON DISPLAY

The new DIGORA Optime is said to be a powerful and easy-to-use diagnostic tool for all intraoral applications and patient sizes. According to the manufacturer Soredex, the system offers consistent diagnostic quality with smart auto-optimization features and for all mectron scalers (tipholder ICS) and for Perio-surgery (tipholder ICP), the Italian company said. According to mectron, the tipholder ICS/ICP in combination with the IC1 tip, allow optimal access and gentle plaque removal. A long and ergonomic form of the tipholder ICS/ICP is supposed to facilitate access even in the posterior region and to simplify handling during the maintenance treatment of implants in order to prevent periimplantitis. The IC1 tip consists of biocompatible plastic material (PEEK), which is known to be gentle and soft on titanium implant surfaces.

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NOBEL BIOCARE EXPANDS ACCESS TO PROSTHETIC RANGE WITH NEW SCANNER PARTNERSHIP

With NobelProcera, Dr Matts Andersson first presented fully-automated industrial CAD/CAM prosthetic production to dentistry thirty years ago. Nowadays, the system continues to lead the field as it delivers outstanding quality, ready-to-use restorations, according to the manufacturer Nobel Biocare. Since the fabrication of the first coping in 1983, patients all over the world have benefitted from the more than eleven million delivered high-quality units. Every NobelProcera product and solution since then has been designed to give patients both functional and natural-looking tooth restorations, individually designed to last, the company said.

With the new NobelProcera 2G scanner, Nobel Biocare has recently taking yet another significant step forward to provide more dental laboratories and dentists with greater access to its prosthetic products and solutions than ever before. The more efficient second-generation device is supposed to deliver direct access to the comprehensive assortment of NobelProcera restorations. In addition, users of the 3Shape Dental System are now able to gain open access to Nobel Procera’s high-quality CAD/CAM solutions as well as through a new open access partnership between the Danish digital dentistry solutions provider and Nobel Biocare.

NobelProcera encompasses a comprehensive range of innovative, science-based restorative solutions for the replacement of teeth in all indications, ranging from single tooth to the edentulous. Each can be combined with specific material properties to achieve both functional and aesthetic results. According to the company, the system provides easy access to a global network of regional production facilities to better serve each individual network of dental professionals.

Nobel Biocare is continuing to drive dental CAD/CAM innovation with high-end solutions, such as individualized abutments, implant bridges and bars. The company says to approach the development of each new product with advanced engineering, thorough verification, meticulous validation and for all mectron scalers (tipholder ICS) and for Perio-surgery (tipholder ICP), the Italian company said. According to mectron, the tipholder ICS/ICP in combination with the IC1 tip, allow optimal access and gentle plaque removal. A long and ergonomic form of the tipholder ICS/ICP is supposed to facilitate access even in the posterior region and to simplify handling during the maintenance treatment of implants in order to prevent periimplantitis. The IC1 tip consists of biocompatible plastic material (PEEK), which is known to be gentle and soft on titanium implant surfaces.

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MECTRON, ITALY
www.mectron.com Booth S13

SOFTENING EFFECTS

According to the German dental bone and soft tissue regeneration specialist Botiss, the innovation curium implantology has flattened and the R&D and education focus has shifted to successful bone regeneration and soft tissue management. Therefore, the company is inviting visitors of this year’s EAO congress in Dublin to its bone & tissue days Continuous Education events in Istanbul, Turkey, in November this year as well as in Berlin in 2014. Leading regeneration experts such as Hom-Lay Wang, Marius Steigmann, Adrian Kasei, Raul Caffesse, Peter Wischund, Anton Sculean, Sofia Aroca, Pablo Galindo Moreno, Bernhard Geenagen, Orcan Yüksel, Ralf Smeets, Markus Schöle, Joseph Choukroun, Cemal Ucer, Daniel Rothamel are expected to teach new concepts and innovative technologies with proven and new materials on the podium including vertical and horizontal GBR, soft tissue augmentation, mucogingival aesthetic surgery, new flap and suturing techniques. All topics are also taught and demonstrated in hands-on workshops and practical exercises. After the bone & tissue days participants still have access to those new and innovative technologies, the company said.

Botiss currently offers to offer innovative and reliable biomaterials portfolio for hard and soft tissue augmentation in over 80 countries worldwide. New botiss products, such as allogenic bone rings, CT-based patient individual bone implants, new 3-D-soft tissue materials, combined with biologic loading and individualized surgical techniques enable the modern clinical user to practice new and reliable treatment concepts, also for highly complex cases. According to the company, they offer treatment alternatives, that are easier, safer and more economic than conventional methods.

BONE & TISSUE DAYS TO BE HELD BY BOTISS

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BOTISS, GERMANY
www.botiss.com Booth B15