CREOS XENO.PROTECT PROMISES EASY AND RELIABLE TISSUE REGENERATION

According to reports, half of all dental implant cases are estimated to require a regenerative procedure. As any movement can disrupt the formation of new bone, the ability to place a graft accurately and securely is essential for effective healing and ensures the best possible outcome for the patient. Designed for use in guided bone regeneration (GBR) and guided tissue regeneration (GTR) procedures, the bio-degradable creos xeno.protect collagen membrane from Nobel Biocare is said to offer excellent strength without compromising its outstanding handling properties. With a lesser increase in size when hydrated, creos xeno.protect can take the guesswork out of trimming the membrane compared with competitive products, the manufacturer said. According to Nobel Biocare, it can be cut to match the treatment area when dry with less risk that it will not fit the defect site when applied. Easily unfolded and not sticky when moistened, it can be repositioned without removing the graft material, which makes it a very predictable solution.

High mechanical stability and its tear-resistant nature allow it to be easily tucked sutured in order to stay in the perfect position for facilitating new tissue growth, which the company said helps to improve the treatment outcome and reduce the number of membrane inadvertent turn during application. Owing to three different membrane sizes, ranging from 30 x 40 mm for larger treatment sites down to 15 x 20 mm for small bone defects, watage can therefore be avoided by achieving optimal fit without unnecessary trimming.

A resorbable membrane, no second surgery is needed with creos xeno.protect, reducing the risk of complications and enhancing the aesthetic outcome. The membrane is instead designed to resorb safely in the patient’s mouth over a prolonged degradation time. As a result, the patient’s regenerative therapy benefits from the membrane’s strength and stability properties long after it has been placed.

The creos xeno.protect membrane acts as a strong barrier to unwanted cells while simultaneously paving the way for the vital growth of osteogenic cells and blood vessel penetration. By ensuring optimum conditions for tissue integration, the new bone and soft tissue is able to develop effectively for a more predictable outcome. The key, according to the company, lies in its high mechanical strength, provided by interwoven, highly purified porcine collagen fibers and porcine elastin fibers, which are brought together to form a dense mesh that holds bone graft material securely in place. Furthermore, the fibers prevent undesirable cells migrating from surrounding soft tissue and disrupting the healing process.

Nobel Biocare said that the vascularization behaviour of creos xeno.protect is excellent. Owing to its natural collagen structures, the membrane exhibits exceptional strength without the need for having a crosslinking agent to reinforce the membrane. As it is not cross-linked, creos xeno.protect also features outstanding tissue integration properties.

TWO GOOD REASONS FOR OSTEILL IQS, MANUFACTURER SAYS

The company Ostell invites delegates of the EAO annual scientific congress in Rome to join its Scientific Symposium on Friday morning to learn more about new developments and the clinical benefits of Ostell IQS. The symposium runs from 7:45 a.m. to 8:45 a.m. at the Teatro studio of Auditorium Parco Della Musica.

A certain level of initial implant stability and the assurance of osseointegration over time are considered crucial for long term implant success. A totally objective and non-invasive handheld instrument for determining implant stability and osseointegration, Ostell IQS is aimed to provide clinicians with exactly that information. According to Ostell, the solution is of particular value when dentists want to reduce treatment time. 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, makes the decision about whether or not to proceed, quick, easy and objective, the company said.

Through a decreasing ISQ value, it can also give clinicians an early warning if osseointegration is not progressing as expected, helping to avoid the cost of implant failure or redoing a crown owing to premature loading.

The ISQ (Implant Stability Quotient) is a global standard unit for implant stability, with a scale ranging from 1 to 100 ISQ, that correlates perfectly with micro mobility. The higher the ISQ, the more stable the implant. More than 600 articles have been published on the Ostell technique and ISQ scale. Abstracts from these can be found in a searchable database at the company’s website.

INTERACTIVE FROM IMPLANT DIRECT OFFERS CONICAL CONNECTION

Most of the leading dental implant manufacturers have introduced conical internal connection products in recent years. Implant Direct, a part of the KaVo Kerr Group since 2013, is following with the launch of a new implant line with internal conical connections. The InterActive implant is based on the established Legacy system, featuring progressively deeper thread structures (double lead threads) in the body and is prosthetically compatible with NobelActive and NobelReplace CC by NobelBiocare.

Owing to its concave, transgingival profile, the implant is especially indicated for treatment in the aesthetic zone, according to Implant Direct. Two different prosthetic platforms (3.0 mm and 3.4 mm) aim to simplify the handling.

With four different diameters and six length options, InterActive will offer additional flexibility in almost every bone configuration. Users will be able to choose between the surface types SBF and SBActive with a light HA coating. The implant’s two-part, colour-coded fixture mount that doubles as an abutment and impression post is also revolutionary and extremely effective, the company said.

The InterActive All-in-One package includes all of the principle components required for a complete surgical and prosthetic solution, the implant including a cover screw, healing collar, and transfer; and an abutment with concave profile, which significantly optimises the entire process of using InterActive.

OSTEILL SWEDEN
www.ostell.com/scientific-forum
Booth B32

IMPLANT DIRECT, SWITZERLAND
www.implantdirect.ch
Booth G03

Fig. 1: With minimal increase in size when hydrated, creos xeno.protect is easy for the clinician to reproduce and use.
Fig. 2: High mechanical stability and resistance to tearing mean creos xeno.protect can be fixed and/or sutured as required for the best possible treatment outcome.
Fig. 3: Porcine collagen and porcine elastin fibers mesh together to form a dense barrier. This prevents unwanted cell migration to the treatment site while offering excellent vascularization.
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OPTIMISING THE DIGITAL WORKFLOW WITH CONNECT DENTAL

Dental digitalisation provides unprecedented possibilities to implant dentistry, leading to improved aesthetic quality for the patient and higher efficiency for the implant specialist. Henry Schein, a leading provider of products and services to office-based dental practitioners and laboratories, developed a comprehensive approach to help dentists throughout Europe make the best possible use of digital solutions for patients and practitioners. Under the umbrella brand Connect Dental, the company offers a customer-tailored consultancy service aiming at enhancing dentistry through digitalisation and a comprehensive range of digital products. This includes newest technologies, high quality materials and products, professional consulting in numerous areas, and financial services—as well as various educational and training courses.

With Connect Dental, EAO Gold Standards Partner Henry Schein emphasises its expertise in an open architecture format for integrating digital technology into any clinical setting.

In the framework of Connect Dental, Henry Schein supports implant specialists in optimising the complete prosthetic workflow, including diagnostics and CAD/CAM supported prosthetic planning of implant cases as well as cooperation with the laboratory. As each dentist has his own treatment procedure and laboratory partners to serve the needs of patients, Henry Schein provides its customers a complete but individually-customised service. Data exchange between dental practice and lab, one of the main obstacles for a purely digital workflow, is reduced to a few clicks. To make this possible, digital specialists work closely with both sides to develop a solution that suits all needs, the company said. According to Henry Schein, one of the outstanding strengths of ConnectDental is that specialists are familiar with the requirements and work processes of laboratories and dental practices.

DDX, an open software platform between the laboratory and the dental practice that runs on standard browsers, is designed to allow an even smoother data exchange. The platform has already been launched in the US, Canada, and the UK, with other European countries to follow.

In Italy, ConnectDental was launched for Henry Schein Krugg customers earlier this year. This offering includes intra-oral scanners Apollo DI and Omnicam from Sirona for the dentists to capture the digital impression. On the laboratory side, CAD/CAM milling systems from VHF for the laboratory and two new model-scanners for Open Technology, an Italian high-tech company, have been added to the offering.

In order to guarantee its clients high-level service, training and update programmes, Henry Schein Krugg started a collaboration with Cabelgip, an Italian company specialising in CAD/CAM systems for laboratories. Henry Schein Krugg is already present in dental practices with a full assortment of market-leading High Tech 3D Conebeam CBCT systems, lasers, microscopy and CAD/CAM systems, where it is the market leader in the distribution of CEREC chair side systems by Sirona. Through this and in combination with the newly added assortment on the laboratory side, the company is now able to cover the complete digital workflow and to support customers in Italy with solutions that increase efficiency and support, and optimise the implant planning and prosthetic implant process like custom abutments etc.

Since IDS 2013, Henry Schein has launched ConnectDental in all major European markets. While the product offering varies from country to country, the general commitment of Henry Schein to provide excellent products and services transcends borders. Throughout Europe, the Connect Dental service and support is covered by a group of 190 specially trained and experienced sales and integration specialists for digital dentistry and digital restorations and is backed up by 460 Henry Schein service technicians. The specialists build a close network with the regional branches and local field representatives. Customers will also benefit from comprehensive training programmes at various locations, including 50 dental information centres.

ROLL-OUT OF BOTISS LINE-UP BY STRAUMANN BEGINS AT EAO

Implant treatments increasingly require bone augmentation. Recent advances and innovations in oral tissue regeneration have led to new protocols and a multitude of products. The conclusion is this is no single bone graft or soft tissue biomaterial is able to cover all medical needs, biologically informed solutions and user preferences. A variety of factors, including indication, age, hygiene, biopsy, bone height and treatment plan, requires a sophisticated approach with several coordinated products. To address this, Straumann has recently teamed up with Botiss, a manufacturer of biomaterials for oral tissue regeneration, to provide comprehensive solutions in this field.

At the EAO in Rome, the company will start with the distribution roll-out of botiss products in Europe for the first time. According to the agreement between the two companies, Straumann will have exclusive rights to distribute botiss regenerative system products initially in most Western and Central European countries, with co-distribution in Germany. Both companies will work together to expedite regulatory clearances in North America, Asia and Latin America. At the same time, botiss will receive the rights to distribute Straumann’s unique regenerative product Emdogain in parts of Eastern Europe and the Middle East, and follow the co-distribution model in Germany.

The partnership between the two companies means that their combined regenerative lines cover all indications and preferences for oral tissue regeneration products, thereby complementing its dental implant and prosthetic systems, Straumann said. “Botiss will enable us to offer an unparalleled range of regenerative solutions to support implant and periodontal procedures. Their quality, effectiveness, handling characteristics and clinical track record will have great appeal to our customers – as will the possibility to obtain every component for a complete solution from one company,” CEO Marco Gadola commented.

He invited congress participants to learn more about the new innovative line-up at the Straumann booth or during the Straumann Satellite Symposium today starting at 10 a.m.

STRAUANN, SWITZERLAND
www.straumann.com
Booth D01

“MASTER OF SCIENCE IN ORAL IMPLANTOLOGY” PROGRAMME STARTS AGAIN IN OCTOBER

On 14 October, the Master’s Degree Programme “Master of Science in Oral Implantology” (MOI) at the Johann Wolfgang Goethe University in Frankfurt/Main, Germany, will begin its 13th class with thirty selected students from 14 different countries. While they have already placed implants, there is a demand to increase their skills and build up a solid, scientific foundation in order to provide safe, appropriate and efficient treatment to their patients. The programme will include two years of intense studies filled with comprehensive lectures, laboratory discussions, hands-on exercises, exciting research work and demanding patient treatments.

According to the university, the MOI was developed to offer the practising dentists advanced academic training in the field of oral implantology, provides students with comprehensive and highly specialised theoretical knowledge as well as excellent practical skills. A major training objective is the independent planning, analysis, and independent implementation of the therapy involving complex initial clinical situations. The strong interdisciplinary basis and coordination of the different players in dental therapy are also reflected on and discussed.

Training and teaching is based on the principle of blended learning and work-based learning. During the course of their studies, the students attend live treatments and will be supervised on their own clinical cases. They are encouraged to document, share and discuss their own experiences with their fellow students. A multidisciplinary and international team of experts will be available to mentor the clinical cases and Master theses at any time.

The MOI programme is completely independent and is not affiliated with any non-university institution or corporations. The student body consists of international students coming from over 40 countries. In order to be considered for the MOI programme, students need to hold a licence and academic qualification enabling them to work as a dentist in their own countries. In addition, a minimum of two years’ relevant professional work experience and excellent English skills (e.g. TOEFL) are required.
TRI LAUNCHES TISSUE LEVEL IMPLANT WITH PINK NECK

TRI Dental Implants, a Swiss dental implant provider for innovative aesthetic implant solutions, is currently launching its novel pink-neck Tissue Level Implant TRI Octa at the EAO congress in Rome. The TRI Octa dental implant responds to the continuing demand for tissue level implants due to superior scientific data on longevity and reduced risk for peri-implantitis. It has also been designed to enhance the aesthetic results in the posterior and edentulous indication.

It is unique as it combines the most modern implant features for this type of implant: a tapered implant body, a friction-based internal octagon connection and a 1.8 mm rose-pink implant neck. The pink-coloured implant neck is the most significant feature innovation and aims to eliminate the “grey shade effect” of today’s tissue level implants. All abutments are also rose-pink coloured to emphasize the esthetics in the prosthetic range correspondingly.

A scientific study with the University of Zurich under guidance of Christoph Hämmerle, Ronald Jung and Daniel Thomas is under way to further substantiate the positive aesthetic implications of this novel design.

The implant can be placed with the same surgical kit as the TRI Bone Level Implant, and therefore reinforces the company’s focus on simplicity and aesthetics at the same time.

TRI IMPLANTS, SWITZERLAND
www.tri-implants.com
Booth B16

NEW IMPLANT LINE FROM BEGO SHOWS PROMISING TREND

Last year’s conference of the German Association of Oral Implantology in Frankfurt/Main saw the launch of the new Bego Sema- dos RS and RSX implants. More than half a year after the market introduction, the company said that sales have exceeded first expectations.

“We are very satisfied with the trend. With over 20,000 implants sold, our expectations have been surpassed by far. The RSX-Line in particular is becoming increasingly popular amongst our users as an attractive alternative to the established products from various premium suppliers,” said Walter Esinger, Managing Director of BEGO Implant Systems.

“In addition to the sales figures, the shifts in our implant portfolio are also interesting,” Dipl.-Ing. André Henkel, Product Manager at BEGO Implant Systems added. “There has undoubtedly been a move from Bego Semados S implants to the new RS and RSX implants but, ultimately, the conversion is on a healthy scale. The sales of Bego Semados RI-Line implants, on the other hand, have been virtually unaffected by the launch of the new implants thus far,” explained. “We are especially pleased at the large number of new customers and interested parties,” Henkel continued.

The Bego Semados S implant is remains the reliable pioneer in the Bego Implant Systems portfolio while the Bego Semados RI implant, with its self-condensing thread, is considered the means of choice for many clinicians when faced with difficult bone conditions.

“Overall, we feel vindicated. With the new implant product portfolio from BEGO Implant Systems, we are able to completely satisfy individual requirements in terms of both patient treatment and user preferences,” explained Esinger.

The complementary prosthetic line, which picks up on and supports the platform switch concept of the new implants, will be available towards the end of the second quarter. Despite this new offering, all prosthetic components which are available today and which are fully compatible with all family members (S/RI/RS/RSX) will still be part of the company’s product range. Integration of the new platform switch abutments in the CAD/CAM service portfolio of BEGO Medical GmbH is also expected by the end of the second quarter.

CBCT IMAGING WITH LOWER DOSES

Planmeca Ultra Low Dose is a new imaging protocol that is supposed to allow CBCT imaging with an even lower patient radiation dose than standard 2D panoramic imaging. It is based on intelligent 3 D algorithms, according to Planmeca, and offers a vast amount of detailed anatomical information at a very low patient dose. Two-dimensional imaging, therefore, can no longer be justified, the manufacturer says.

The Tampere University Hospital in Finland is one of the facilities which has changed imaging protocols in favor of the new protocol. It currently takes around 2,000 CBCT images per year, a number which is, according to the hospital, constantly growing.

“We have been using the new Planmeca Ultra Low Dose protocol since last summer, and we have found it to be very useful in many imaging indications,” a representative said. “These include postoperative follow-up studies, orthodontic cases requiring localisation of impacted teeth and their effects on the neighbouring ones, detection of facial asymmetries, sinus imaging in certain ENT cases where sinusitis needs to be excluded, pharyngeal airway measurements in sleep apnoea patients, as well as many implant cases.”

According to the representative, the protocol also had a significant impact on patients. “We often found them to be concerned about radiation exposure, but once they hear that the dose is even lower than in traditional panoramic 2D imaging, they are always relieved. Also, referring physicians often specifically ask us to use the Ultra Low Dose protocol,” he said.

Planmeca Ultra Low Dose is available with all Planmeca ProMax 3D imaging units. According to the manufacturer, when used with the imaging protocol can be used for a large variety of clinical cases, such as postoperative and follow-up studies in maxillofacial surgery, orthodontics, implant planning, as well as ENT studies.

INSPIRATION TALKS WITH DENTSPLY IMPLANTS AT EAO 2014

As a Founding Diamond Sponsor, DENTSPLY Implants welcomes participants of EAO 2014 at their Satellite Symposium this afternoon. Irena Sailer (Switzerland), Anne Benhamou (France), Ingeborg De Kok (USA) and Jocelyne Feine (Canada) will be presenting Inspiration Talks on “quality of life and evolution in implant dentistry”.

On Friday and Saturday, DENTSPLY Implants will also offer three hands-on workshops. There, Thomas Dietrich (UK), Goran Benic (Switzerland) and Marco Degidi (Italy) will cover treatment solutions, such as bone grafting techniques, the complete digital workflow and the new WeldOne intraoral welding concept, all from the company’s comprehensive portfolio.

At the DENTSPLY Implants booth and in the Hospitality Lounge, participants are invited to explore the latest innovations like the new ASTRA TECH Implant System EV featuring SIMPLANT Guided Surgery and intraoral scanning for ATLANTIS Abutments and learn more about the long-term documentation and research behind these products, as well as DENTSPLY Implants’ unique STEPSS marketing program.