A growing trend in the dental implant market is patients' preference for metal-free solutions, desiring the look and feel of natural teeth. To meet this need, Nobel Biocare has launched a series of metal-free internal connection solutions with NobelPearl, which is unveiled at EuroPerio9.

According to the Switzerland-based dental implant manufacturer, NobelPearl is a completely metal-free alternative to titanium and highly compatible with soft tissue. The two-piece ceramic implant solution with a ceramic-free internal connection has been designed to support a natural soft-tissue appearance. Its zirconia material is especially beneficial to patients with a thin gingival biotype. Microcoring in peri-implant mucosa around zirconia has been shown to be comparable to that of healthy teeth and gums. Despite this, biofilm-related oral infections such as dental caries and periodontitis are still among the most prevalent health problems. Recently, interest has been growing around another factor that helps prevent these diseases: enzymes that occur naturally in saliva and perform an integral role in protecting and repairing the oral cavity. By using zirconia for healthy oral flora, CURAPROX’s new toothpaste series helps maintain optimal cleanliness. In order to understand the health benefits of enzymes on our oral flora, it is important to understand how bacteria—specifically anaerobic bacteria—can thrive in the oral microbiome, which consists of billions of bacteria, fungi and protozoa attached to each other as well as to our teeth and oral mucosa. Ideally, the different bacteria that make up biofilm are in a state of balance called symbiosis. However, fermentable sugars, smoking, stress, physiological changes like pregnancy, or the frequent use of antibiotics and antimicrobials can create an imbalance in the oral microbiome where pathogenic bacteria predominate. Left untreated, this dysbiosis can lead to diseases such as caries, gingivitis and periodontitis.

NEW SPLASH OF LIFE FOR CERAMIC IMPLANTS

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TOWARDS A HEALTHY MOUTH WITH [BE YOU.]

Most of us know that proper brushing with toothpaste containing fluoride is the first step in maintaining healthy teeth and gums. Despite this, biofilm-related oral infections such as dental caries and periodontitis are still among the most prevalent health problems. Recently, interest has been growing around another factor that helps prevent these diseases: enzymes that occur naturally in saliva and perform an integral role in protecting and repairing the oral cavity. By using zirconia for healthy oral flora, CURAPROX’s new toothpaste series helps maintain optimal cleanliness. In order to understand the health benefits of enzymes on our oral flora, it is important to understand how bacteria—specifically anaerobic bacteria—can thrive in the oral microbiome, which consists of billions of bacteria, fungi and protozoa attached to each other as well as to our teeth and oral mucosa. Ideally, the different bacteria that make up biofilm are in a state of balance called symbiosis. However, fermentable sugars, smoking, stress, physiological changes like pregnancy, or the frequent use of antibiotics and antimicrobials can create an imbalance in the oral microbiome where pathogenic bacteria predominate. Left untreated, this dysbiosis can lead to diseases such as caries, gingivitis and periodontitis.

A study by Pleszczyńska et al published on the International Union of Biochemistry and Molecular Biology website explored the possibilities for enzymes to treat and prevent oral disease. Oxidative salivary enzymes were found to inhibit the growth of cariogenic oral pathogens. [BE YOU.] contains glucose oxidase, a naturally occurring enzyme that inhibits dysbiosis by boosting salivary flow, and turns glucose into hydrogen peroxide, which gently whitens the teeth. “Hydrogen peroxide and the Potassium thioselenate in the toothpaste support the lactoperoxidase naturally present in the mouth,” said Dr Christoph Fiolka, head of chemical product management at Curaden. “Lactoperoxidase then in turn forms a potent natural antibacterial system. As a result, [BE YOU.] softly whitens teeth, naturally prevents enamel staining, and contributes to a healthy, balanced oral microbiome.”

“Equally important is what the toothpaste does not contain,” added Fiolka. [BE YOU.] contains no triclosans, microplastics and sodium lauryl sulphate (SLS)—a foaming agent contained in many toothpastes—to avoid any possible irritation to the oral mucosa.

CURAPROX, Switzerland www.curaprox.com
Booth 11.31

Planmeca Oy, Finland www.planmeca.com
Booth 11.16 A

According to Planmeca, one of the largest dental equipment manufacturers, with products distributed in over 120 countries worldwide, its new Emerald intraoral scanner has set the bar for capturing digital impressions and “represents the highest level of scanning available in the world today.” Planmeca Emerald has been designed with effective usability in mind and provides accuracy and speed in all situations, the Finnish company said.

Planmeca Emerald’s seamless, autoclavable and exchangeable tips make infection control measures simple and efficient. The scanner’s two buttons allow it to be operated with touch or a keyboard, and it can even be controlled from a foot pedal when connected to a dental unit. The scanner’s plug-and-play capability allows it to be effortlessly shared between different rooms and laptops. Owing to its light weight, the scanner provides superior control and is comfortable for patients, the company said.

The scanner has, according to Planmeca, the flexibility to support various workflows. It supports a wide range of treatment options and offers benefits across several dental disciplines, such as implantology, orthodontics and maxillofacial surgery. With open export and import options, regular updates and constant new features becoming available, the company continues to evolve and improve the scanner further. By using a multicore laser-based system, Planmeca Emerald produces images with vibrant colour palettes for realistic digital impressions that allow dentists to distinguish between hard and soft tissue. The Planmeca Emerald scanner is part of the Planmeca FIT chairside CAD/CAM system that integrates the entire chairside restorative workflow.

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Sharp Diamond instruments are completely sharpen-free. Razor-sharp, extremely hard, yet smooth and light, they offer benefits for both the dental professional and the patient, according to Finland-based manufacturer LM-Dental. The instruments are made from a durable metal alloy, and their wear resistance is enhanced by a micro-membrane coating, produced with physical vapor deposition technology. Sharp Diamond instruments with their ergonomically designed LM-ErgoSense handles offer controlled grip and comfort. They are especially suitable for clinicians who use hand instruments frequently and want to minimise the time spent maintaining them. Grancy curettes, universal curettes, and scalers are available in the sharpen-free Sharp Diamond instrument range.

The new sickle scaler LM-SharpJack features extra-long and thin blade for convenient interproximal access, presenting the most popular scaler design in the US. The shank is optimally angled to universally adapt in anterior and posterior regions. Also, the LM-SharpJack is very narrow. It therefore allows access to the smallest areas, and with its long tip, the clinician can even reach in between molars. LM-Dental is promoting the launch of LM-SharpJack with a charity campaign. In recognition of the association between poor dental health and Alzheimer’s disease, LM is seeking to raise awareness of the condition by donating funds from every LM-SharpJack sold to Alzheimer’s research. More information about the campaign can be found on its website.

ATRAUMATIC ULTRASONIC BONE SURGERIES

The innovative ultrasonic Piezotome CUBE surgical device from ACTEON aims to make dental surgeries safer and more predictable. By improving the experience of bone surgery procedures, the device represents a new approach to minimally invasive surgery. This is particularly relevant for extractions, for which the use of predictable and safe technology is essential to achieve superior results for every patient.

During extractions, it is sometimes difficult to preserve the alveolar bone, especially when rotary instruments are used. This technique often leads to sacrificing of the alveolar bone in order to remove the tooth or tooth fragments. Piezotome CUBE offers an alternative tool for extractions. Tips that have been designed specifically for this procedure are very thin, allowing the practitioner to precisely insert the tip to separate the root from the bone by gently cutting the periodontal fibres, thus allowing for immediate implant placement by keeping the bone structure intact.

“Atraumatic extraction and immediate implant placement is becoming the norm in today’s implant surgery and is more acceptable for the patient,” said Dr Diyari Abdah, who will be giving a presentation with Dr Nares at EuroPerio9 on 21 June, 12:30 to 14:00, in the Plenary Hall. Their paper will focus on less invasive surgery and shorter treatment protocols for better patient acceptance and will also cover atraumatic extraction for immediate implantation through bone preservation.

Treatments performed with Piezotome exhibit far more advantages compared with traditional instrumentation, according to ACTEON. In this regard, Drs France Lambert and Carole Charavet will be presenting the Piezocision technique, a flapless treatment for accelerated orthodontic surgery in the second part of the session.

Before use, carefully read the instructions for use.

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Oral health research has shown that using interdental brushes on a regular basis is an efficient method to keep the gingivae and teeth healthy. A healthy mouth contributes to overall health. When TePe launched the first interdental brushes in collaboration with dental professionals 25 years ago, nobody would have thought that the product would be such a global success story for the company. Today, they are a leading product recognized worldwide for their high quality and efficiency.

The original TePe interdental brush range includes nine colour-coded sizes to fit narrow and wider interdental spaces. Over the years, the product range has been complemented with two additional variants that include versions with softer filaments for sensitive gingivae and an angled brush head and a longer handle for easier access between posterior teeth. The four smallest sizes of the original TePe interdental brush have a flexible neck for even better access.

“General health awareness has increased over the past several years and today, we see a broader understanding of how oral health is linked to general health. In that context, TePe’s high-quality interdental brushes fit perfectly as part of people’s healthy oral care habits,” said Dr Anna Nőveus Olofsson, Manager of Odontology and Scientific Affairs at TePe.

Over the last five decades, TePe has evolved from a small-scale Swedish manufacturer into a high-tech enterprise with distribution in 60 countries. Based on the vision of healthy teeth for everyone throughout life, the company continues to develop innovative products and raise awareness of the importance of preventive oral care. TePe’s close partnership with the dental profession has been fruitful ever since its founding in 1965, resulting in a wide range of high-quality oral hygiene products. All production takes place at its headquarters in Malmö in Sweden.

TePe, Sweden
www.tepe.se
Booth 11.19B

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NEW SURGICAL BLADES ON DISPLAY

TePe interdental brushes have supported high-quality oral hygiene for over 25 years

As a leading manufacturer of high-precision medical cutting tools, such as surgical blades and scalpels, ophthalmic knives, microsurgical blades for fine incisions and micromtome blades used in pathology, Feather Safety Razor has been providing medical professionals in Japan and around the world with great satisfaction since it was founded in 1932. During EuroPerio9, the company is showcasing its latest surgical blades for use in dentistry.

The new Feather surgical blades, Nos. 370, 390 and 390C, which were named among the BEST Products in 2017 by the Gordon J. Christensen Clinicians Report, are small, shaped surgical blades that are suitable for microsurgery (fine incision). With appropriate shapes and thicknesses for fine incisions, they are easy to control and, according to the company, provide superior performance, especially in periodontal plastic and regenerative surgery. As another feature, they are compatible with the surgical blade handles commonly used in dental surgery.

In addition to the new blades, the company has other popular blades, such as the Nos. 12d and 15c, on display in Amsterdam. Visitors are invited to the Feather Safety Razor booth to view the high-quality products.

Feather Safety Razor, Japan
www.feather.co.jp
Booth 11.25E
Try Navident’s precision guidance for yourself.
Visit us at Booth n° 11.14A at EuroPerio9

Navident

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Dynamic navigation for freehanded dental implant placement

Introducing Navident 2.0 with Trace and Place

See for yourself how freehanded guided surgery aids more accurate implant placement. Navident tracks the drill and the patient’s jaw, providing real-time tactile guidance and visual feedback.

- Precision guidance for increased accuracy within 0.5mm of treatment plan*
- Easy to use, reducing time and expense with a simplified workflow
- Provides even greater value from your CBCT data
- Enables minimally invasive flapless drilling without a physical guide

“Trace and Place is a real tipping point for dynamic navigation guidance. It has streamlined and simplified the workflow in both the diagnostic and surgical phases to allow state of the art technology to be an everyday component of my surgical implant practice. I can’t imagine going back!”
Dr. George Mandelaris, Periodontist, Chicago, USA (pictured)

*Average error of 0.4mm in internal bench tests with a range of operating conditions.

It’s with great pleasure that we invite you to the Dynamic Navigation evening at the Apollo Hotel in Amsterdam on June 21, 2018.

At this unique meeting, some of our true master clinical trainers will share their clinical experiences using Navident. The program will contain lectures on the treatment protocols of today, including both surgical and prosthetical aspects. Finally, the program will conclude with some highlights of possible future development trends within the field of computer-guided surgery.

Take this opportunity to enjoy, learn and interact with colleagues and dental professionals. Join us in Amsterdam and meet with us at the Apollo or at the EuroPerio (booth n° 11.14A)

Date: Thursday, June 21, 2018
Location: Apollo Hotel Boardroom
Address: Apollolaan 2
NL-1077 BA Amsterdam
Netherlands

18:00-18:30: Welcome drink
18:30-20:00: The Dynamic Navigation Story
20:00-onward: Reception
Given the rise in popularity of health apps, it is apparent that people are seeking more information on and are increasingly interested in tracking their health and wellness. Smartphones have become personal trainers, dieticians and statisticians, kept safely in everyone’s pockets. This trend is also influencing the dental industry, which launches new products regularly. Oral care company Philips believes that research and testing are key to developing meaningful innovations and to helping dental professionals understand their patients’ needs. But how is everyday technology relevant to oral healthcare? It was discovered that people had a limited understanding of how well they were looking after their mouth, teeth and gums in between visits to their dentist. Using this insight, Philips Oral Healthcare launched its DiamondClean Smart to help dental professionals and patients to achieve improved results in oral care, including plaque control, gingival health and whitening. Philips developed the proposition over 18 months of research with more than 1,000 dentists and hygienists and more than 3,000 consumers around the world. The DiamondClean Smart helps eliminate any guesswork and guides the user to improve his or her cleaning technique through an intuitive brushing experience and new high-performance brush heads. Together, all the features aim to provide the patient with confidence in achieving a complete clean every time.

The new DiamondClean Smart connects to the Philips Sonicare app, giving patients personalized feedback and coaching that can be shared with their dentists. Smart sensors built into the handle track location, scrubbing pressure. The app and toothbrush handles synchronize via Bluetooth. Using the TouchUp and focus features, this allows patients to track brushing habits and identify trouble spots to help them achieve complete coverage for a truly tailored clean.

In fact, 95 per cent of surveyed users agreed that it is the most effective product they have used for developing healthy brushing habits.

Philips, Netherlands
www.philips.com
Booth 10.15

COLGATE RELEASES 2017 SUSTAINABILITY REPORT

As part of its commitment to sustainable and environmentally friendly business, Colgate-Palmolive has recently set a new goal of 100 per cent recyclability of plastics in packaging across all its product categories by 2025. As detailed in its 2017 sustainability report, the company has also made ongoing progress in the areas of corporate and social responsibility. In the report, the company stated that it recognizes its responsibility to work with industry groups, suppliers, governments and others to ensure it sources palm oil and its derivatives in ways that do not harm the environment or exploit workers. “Our sustainability journey is ongoing and as we achieve some of our goals, we are assessing new areas for focus and new targets to strive for so that we can continue building a future to smile about,” said Ian Cook, Chairman, President and CEO of Colgate-Palmolive.

Colgate-Palmolive Europe, Switzerland
www.colgate.com
Booth 10.12
Periodontitis?
The solution!

CPS perio interdental brushes

Developed for periodontitis patients

Periodontitis patients need quite sturdy interdental brushes which can be quite unpleasant to use. That's why Curaprox has developed a new interdental brush: the CPS perio. It provides an exceptional clean and is extremely comfortable for the patient. Available in four sizes.

Effective, yet gentle
Also pleasant for black holes

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1.3 mm / 5.0 mm
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Periodontal disease is a widespread condition that affects a significant portion of the adult population in Europe. Studies have shown that three out of four adults have gingival health concerns, including periodontal disease, during their lifetimes. A growing body of evidence indicates that periodontal disease in its most severe form may not only cause tissue destruction in the oral cavity and lead to tooth loss, but also be a risk factor for challenging systemic conditions, such as diabetes, coronary artery disease and pulmonary disease.

New treatment options in the form of advanced probiotics—administered as adjuvants to scaling and root planing—are now available to improve the long-term outcomes of chronic periodontal disease management.

Scaling and root planing is the treatment of choice for chronic periodontitis. One of the important challenges professionals face after scaling and root planing is the frequent recolonisation of the treated niches by pathogenic bacteria, even when combined with antibiotics.

By supplementing scaling and root planing with a probiotic treatment, dental professionals can hinder this recolonisation of the oral cavity and give their patients the benefits of the antimicrobial and anti-inflammatory properties of oral probiotics.

*Lactobacillus reuteri* Prodentis is an advanced probiotic bacterium of human origin, adapted to reside in the oral cavity and able to bind to saliva and oral mucosa. It is composed of two patented strains of lactic acid with two complementary modes of action.

Together, the two strains have been clinically proven to delay the recolonisation of pathogenic bacteria in cavities treated by scaling and root planing, provide anti-inflammatory and antimicrobial properties, strengthen and enhance the host immune response via CD4+ T helper cells and immunoglobulins A production, and reinforce the natural defences of the mouth.

When used as an adjuvant to scaling and root planing for the treatment of chronic periodontitis, *Lactobacillus reuteri* Prodentis has been clinically proven to significantly improve critical clinical parameters, reducing the plaque index, the gingival index, bleeding on probing and probing pocket depth, and increasing clinical attachment levels in deep pockets. *Lactobacillus reuteri* Prodentis has also been shown to reduce the risk of periodontal disease progression, the number of sites needing surgery, and the amount of periodontal pathogens, and to deliver long-lasting clinical improvement in cases of chronic periodontitis.

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