NEW TETRIC N-FAMILY FROM IVOCAR VIVADENT


According to the company, the universal composite Tetric N Ceram is based on the popular Tetric Ceram and designed for the fabrication of high-quality standard restorations in the anterior and posterior region. Important properties like polihablability, low shrinkage and wear could be enhanced with the help of nanotechnology. Tetric N Ceram is complemented by the flowable composite Tetric N Flow which also offers excellent handling properties as well as an exceptionally high level of radiopacity. Owing the material's outstanding wetting ability, it is particularly suitable for use as a cavity liner and offers the stability required for Class V restorations.

Tetric N Bond is a light-curing single component bonding agent for enamel and dentin bonding in conjunction with the total-etch technique. It uses nanotechnology and is acetone-free which is supposed to help postoperative sensitivities occur less frequently. It also enables a durable bond to be established between the restorative material and the dental hard tissues. Tetric N Bond is suitable both for direct and indirect restorative procedures after prior light polymerization, the company said.

Tetric N Bond Self-Etch is a single component, self-etching, light-curing adhesive for direct restorative treatment procedures (composites, composites). It is a layer of the acetone free Tetric N Bond Self-Etch material to establish a sound bond between the composite and the enamel or dentin reducing tensions are lowered between the tooth substance and filling material even in large cavity. In combination with Promedica's Compobond I – a one bottle bonding with elastic features – the adhesion to the tooth substance has been significantly improved to assure a perfect and durable marginal seal, almost nature-like tooth restorations. Composar bio-esthetic material is free from all filling classes, the repair of veneers, core build-ups as well as composite inlays. It comes in syringes and will be also available as flow version in translucent shades that match those of the packable version. Composar bio-esthetic flow is indicated for minimally invasive preparations, approximal and class cavities, extended fissure sealing, repair of fillings and veneers.

Because it can be adapted to the most complex of clinical situations, SoproLife will enable the practitioner to quickly adjust his treatment options, the company said. Connected to Sopro's Imaging soft ware, a dedicated module will allow users to have a personalized and customized follow up of the patient. It can also be connected to any colour monitor or to any other imaging software.

SOPROLEF IMAGEING DEVICE

At IDEM 2010 in Singapore, Sopro-Acteon presents SoproLife, a new revolutionary fluorescence imaging system for the diagnosis and treatment of caries. By making use of the auto fluorescence of dentine, SoproLife will allow dentists to detect carious or interproximaldecay, often missed by X-rays, even in its earliest stages as well as to differentiate healthy from infected tissue in order to excavate only the tissue which is diseased. According to the company, SoproLife is used "live" as it is free from ultraviolet or ionising radiation.

Nowadays, dentists are able to extract teeth and place an implant immediately considering that the indications for this procedure are observed. In such cases, the extraction must be performed as atraumatically as possible. MINVALUX instruments with a colour coded ergonomic TRINOVO instrument handle and a single working end from Kohler have especially been designed for minimally invasive extraction surgery.

According to Ivoclar, it is possible to store Tetric N Bond Self-Etch at room temperature without compromising its quality because of the monomers which are resistant to hydrolysis.

The fine working tips are used to divide the demineralised fibres of the tooth or root that is being extracted with out damaging the bony socket walls. There are also instruments with thicker working tips for stronger roots (canine, premolar or molar).

According to the company, the two lancet-shaped instruments can be introduced smoothly into the space between the bony socket walls and the vestibular and oral approaches such the tooth is being extracted in the interdental space. For optimal effectiveness the working ends have a very pointed shape while the slightly curved elevators are of increasing diameter.

STIMAT AUTOCLAVES

The removal of air from the sterilization chamber in current generation autoclaves is regarded as a prerequisite for sterilization because air impairs the action of sterilization steam. According to the requirements of the Robert Koch Institute in Germany, there is more than one way to remove air.

The STIMAT cassette autoclave from SciCan uses multiple pressure changes in the super-atmospheric pressure range, in order to build up the necessary pressure for sterilisation.

The STATIM 5000S Cassette Autoclave is an biological and mechanical effective as 3 cycle sterilizer. It can sterilise dental handpieces in between patients in only eight minutes which saves time and prolongs the life of dental instruments, according to the company.

The STATIM 5000S Cassette Autoclave has a greater capacity than the 2000S due to a larger cassette but is compact enough to fit into patient treatment areas making it an ideal complement for the larger practices or clinics.

The STATIM is equipped with a SciCan USB flash memory card or a thermal prin ter. STATIM units are complaint to BS EN ISO 13060 standard.

SCICAN, CANADA/GERMANY

Booth J05

COMPSON BIO-ESTHETIC WITH NANO-CERAM-TECHNOLOGY

Composan bio-esthetic from Promedica in Germany is an unique composite material with excellent biocompatibil ity based on three-dimension al linked inorganic glass-like components and organic co-polymers in which special nano and ceramic filler were incorporated. According to the company, it features extremely low polymerisation shrinkage and high resistance to chewing stress. Furthermore, it shows particular abrasion resistance and excellent biocompatibil ity.

Due to an enamel like thermal expansion coefficient tensions are lowered between the tooth substance and filling material even in large cavity. In combination with Promedica's Compobond I – a one bottle bonding with elastic features – the adhesion to the tooth substance has been improved to assure a perfect and durable marginal seal.

Besides tooth-like translucency, very high colour stability, perfect colour adaptation and excellent polishability allow an easy cleaning and sterilisation with supra-atmospheric pressure. The STATIM cassette autoclave from SciCan uses multi ple pressure changes in the super atmospheric pressure range, in order to build up the necessary pressure for sterilisation.

The new TRINOVO® handle design combines the advantages of simple cleaning and sterilisation with outstanding grip characteristics.
We ♥ to create

Booth A16/B15
FRENCH PAVILION
Come and see the latest ACTEON innovations!
The principle behind light activated disinfection (LAD) is the use of a specific light source to activate a photosensitizer, which serves as a catalyst in transforming oxygen molecules into highly reactive oxygen specimens, such as negatively charged oxygen ions and oxygen radicals. As the photosensitizer has an extremely high affinity to bacterial membranes, the bacteria are instantly destroyed when the reactive oxygen specimens are formed. The technique is especially useful in the oral cavity as it disrupts the biofilm in which the bacteria are embedded.

With FotoSan, CMS Dental from Denmark, introduces a LAD system that is able to treat a wide range of indications including endodontics, periodontics, periimplantitis, gingivitis, pericoronitis and caries. An introkit including two autoclavable covers for the light head, blunt tips for surface treatment and long tips for more profound treatment and endodontics, will be available to IDEM visitors.

The photosensitizer comes in three different viscosities facilitating the practical applications. According to the company, the treatment with FotoSan lasts only 10 to 30 seconds and has no side effects.

The US manufacturer Bisco is introducing ACE ALL-BOND SE, a new hand-held, all-in-one bonding system at IDEM 2010. The system, which combines the light cured self-etching adhesive ALL-BOND SE for bonding light-, dual- and self-cured materials in direct and indirect restorations with the ACE dispenser, will allow dentists to etch, prime and bond in one simple application. The proprietary formulation changes colours when the two components interact to ensure they are properly mixed prior to application.

According to the company, ALL-BOND SE effectively etches both the enamel and dentin to prevent marginal bond failures and properly seals the surface against microbial invasion. Additionally, the system reduces or eliminates the incidence of post-operative sensitivity, they added.

ALL-BOND SE comes in a proprietary cartridge that fits into the ACE dispenser that accurately dispenses the correct proportion of material. The dispenser is activated with just one click. After the mixing, the adhesive can be applied with the provided bristle brush.

The range of Sinus Lift Curettes made by Otto Leibinger, Germany, has been extended by four different new Flexible Sinus Lift Curettes. They are being used for the direct sinus lift and due to the flexibility or the so-called unique swing effect of the working tips it increases the sensitivity during operation and reduces the risk of perforating the “Schneider’sche membrane”.

According to the company, the set is complemented by two additional instruments, one with a spoon and a condenser and one with condensers on both sides for the application and condensation of bone material.

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DTI TO LAUNCH CAD/CAM MAGAZINE

CAD/CAM based dentistry is one of the fastest growing market segments in dentistry. CAD/CAM international magazine (CAD/CAM), the new Dental Tribune specialist publication, will present the most significant international developments and experiences in digital dentistry to practitioners and industry leaders around the world, with the aim of providing comprehensive knowledge and information on the latest technology that can profitably be integrated into treatment concepts.

The quarterly magazine will be sent to specialists around the world and distributed at all major international congresses and exhibitions as well as at many specialty-specific events.

The range of topics covered in the magazine will include CAD/CAM, digital imaging, rapid prototyping, virtual articulation, dental materials, impressioning, radiography, software processing, and innovations in digital dentistry. The content is a combination of scientific articles, case reports, industry reports, reviews (meetings, products, etc.), news, practice management articles, and lifestyle articles.

IDENTIUM ONE-STEP IMPRESSION MATERIAL

Kettenbach, one of the leading international producers of impression materials, will showcase its Identium impression material during IDEM 2010 in Singapore. The material features VinylsiloX, a new chemistry that combines all advantages of polyether material paired with those of an A-silicone.

According to the company, Identium has been developed especially for the one-step impression techniques, it has excellent flow properties due to its extraordinary hydrophilicity (immediate contact angle < 10°) and is easy to remove from mouth or mold. It is also tasteless and odorless. Identium for the one-step, double-mix impression technique is available in heavy, medium, and light body consistency for Plug & Press automatic dispenser (5:1 ratio) system and comes in 50 ml cartridges.

Founded in 1944 by August Kettenbach, Kettenbach is located in Eschenbach in Germany. The company was created in 1944 for the development and marketing of medical and dental products. Today, the company is one of the leading international producers of impression materials for use in dentistry. It is also active in other surgical areas of medicine. KETTENBACH, GERMANY

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ACTEON SHOWCASES IMPLANTCENTER2 UNIT

Satelec, a founder of piezoelectric ultrasonic generators for dental use, has announced the introduction of its second generation devices in pre-implant surgery. The Implantcenter2 will take full advantage of the technological achievements of its predecessor, such as the Cruise Control System, the reliability, robustness, and high power. In addition, it now features LED technology.

According to the company, all surgical applications from implantology to periodontal therapy can be done with this single unit. Its convex shape and large 5.7˝ touch-sensitive screen will make it the ideal device for bone surgery, they added. It offers a Piezotome mode for pre-implant surgery and a Newtron mode for all conventional treatments. The Piezotome mode facilitates and improves the safety of delicate pre-implant surgical procedures such as fine osteotomy, osteoplasty, sinus elevation, ridge expansion or syndesmotomy.

Thanks to the ultrasonic frequencies (28–36 kHz), Implantcenter2 is active on hard tissues while limiting the risk of soft tissue lesions. The modulated piezo signal is supposed to allow tissue relaxation and faster cell repair for a clean cut and better healing. The Newtron mode, on the other hand, is taking use of a wide range of tips on the market. More than 70 tips are available for periodontology, endodontics, prevention and prosthodontics.

Each tip can be identified by a coloured ring setting recommended for each procedure.

The micro-motor system I-Surge is especially convincing due to its unsurpassed constant torque and steady high-performance, even in lower revolution ranges. With a range of 100 to 40,000 rpm, it is said to offer the widest revolution range in its class. And with 6 Ncm, it delivers unrivalled torque in micro-motors, the company said.

The new technology in the handpieces triples the ultrasonic power in bone surgery. The addition of LED allow for an optimal vision of the operative field. The Piezometer2 and Newton LED handpieces feature a long-life light ring including six ultra-powerful LEDs (100,000 Lux). The LED handpieces are autoclavable at 134°C.

SATELEC, FRANCE

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