With everX Posterior, GC has developed a glass-fibre reinforced composite that is said to provide new options for restoring extensive cavities and preventing crack propagation into filling materials and tooth structure. According to the company, the material meets the growing demand for an economical alternative restorative for extensive cavities and can be used for restoring enamel and dentin when combined with a conventional composite like G-ænial Posterior.

A special structure with particularly short fibres prevent cracks and fractures that can occur in the filling, one of the main reasons for failure of composite and amalgam restorations. The longevity of everX Posterior restorations is due its high fracture toughness values that are equal to dentin and almost 100 per cent as high as those exhibited by other composites. In addition, the high bond strength with both the overlaying composite and underlying tooth structure allows reliable restorations, the company said.

everX Posterior is particularly indicated for strengthening direct composite restorations in extensive posterior cavities and as such, enables more extensive defects to be treated immediately and directly chairside. These include restorations of cavities with three or more surfaces, cavities with missing cusps, deep cavities (including class I and II cavities as well as endodontically treated teeth) and cavities remaining after removing amalgam as well as cavities indicated for onlays/inlays. GC said that in order to achieve optimum aesthetics and wear resistance, everX Posterior must be overlaid with a light-curing universal composite such as the own G-ænial product family.

GC EUROPE, BELGIUM www.gceurope.com
Booth C23-25

A radically new dental unit concept by Planmeca

Planmeca’s latest dental unit was designed with ergonomics, comfort, and usability in mind. It’s design is supposed to enhance the workflows of both dentist and assistants. The compact and slim cuspidor also makes the unit the perfect choice for any treatment room, the Finnish dental manufacturer said.

Users can easily customise their personal settings and preferred instruments from an intuitive multilingual touch screen; instrument functions can also be accessed by using the unit’s robust foot control. The new Sovereign Classic has a six-position instrument console which allows to plug in a highly customisable selection of instruments. Owing to the manual left/right swivel function of the cuspidor and chair, it can be easily positioned to adjust to any working conditions and style. A handy and modular Flexy holder for suction tubes and additional instruments supports all treatment needs.

According to Planmeca, the necessary elements for the infection control routines are perfectly organised into logical compartments and easily accessible for the dental team. Users are able to choose between periodical cleaning or continuous disinfection.

PLANMECA, FINLAND www.planmeca.com
Booth C34
Available since beginning of this year, the VITA ENAMIC combines the best features of ceramic and composite materials. The dominant ceramic network structure and the reinforcing polymer network structure are fully merged with each other in this new material, which provides strength and extraordinary levels of elasticity, according to tests. Patients also consider the oral comfort of VITA ENAMIC restorations to be excellent, the German manufacturer VITA announced.

VITA ENAMIC is said to have significantly less brittleness than a pure dental ceramic and abrasion behaviour that is superior to that of conventional composite materials. The excellent light refraction properties provide a highly aesthetic overall result with a natural play of colors. It is also extremely resistant to the shear and compressive forces of the stomatognathic system, allowing the material to be used for a variety of applications.

The CAD/CAM blocks are suitable for fabricating conventional inlays, onlays, veneers and crowns for anterior and posterior applications. In addition, they can be used for minimally invasive restorations such as non-pulp veneers as well as for restorations in areas where space is limited, according to VITA.

VITA ENAMIC is currently available in block size EM-14 (2 x 14 x 18 mm), as well as in the shades OM1, OM2, EM1 and EM2 in two degrees of translucency. It can be processed using the CEREC and inLab systems from Sirona Dental Systems.

DÜRR DENTAL GERMANY
www.duerrdental.com
Booth C031-08

VITA presents the world’s first hybrid dental ceramic

Having a sterile surgery is paramount to safe practice, not only for the patient, but also for the dental professionals. In modern dentistry, the requirements for comprehensive hygiene are becoming increasingly complex. The range of instruments, devices, and materials used is growing, and as a consequence there are more disinfection tasks to perform with each surgical intervention.

According to DÜRR DENTAL, disinfection can become less of a challenge with the right tools and an all-structured team. With its holistic hygiene concept, combining efficiency and safety, the company said to offer clinicians a wide range of tailor-made system solutions from one single source. They not just cover all hygiene requirements for comprehensive hygiene and safety, the company said, but also for restorations with each surgical intervention.

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In addition to supplying products that combat germs, DÜRR DENTAL says to focus on making sure that the formation of microbial contamination chains can be efficiently prevented, a concept demonstrated by the use of contact-free sensor technology when dispensing and metering products. Its HygoCare Plus sensor dispenser for the disinfection and cleaning of hands, for example, as well as the Hygowie Plus for dispensing surface disinfection cloths have found their use in thousands of dental surgeries since their launch at IDS 2013.

According to DÜRR DENTAL, hygiene has been a key aspect in its product development for many years. An example for this is the Orotol disinfectant concentrate which was developed back in 1966 and since then has been providing top hygiene standards and safety for DÜRR Dental’s suction systems. Orotol plus is now a market leader in many countries around the globe.

DÜRR DENTAL GERMANY
www.duerrdental.com
Booth C031-08

DÜRR Dental’s hygiene solutions

DENTISTRY - THE FUTURE IS NOW

Online registration opens in September 2013

INTERNATIONAL DENTAL EXHIBITION AND MEETING
APRIL 4 - 6, 2014
Suntec Singapore International Convention and Exhibition Centre

Pre-Congress Day: April 3, 2014

IDEM Singapore is a “must-attend” for dental practitioners and professionals in the Asia-Pacific looking for the latest cutting edge technology and innovations in dental solutions and services, showcased by close to 450 international exhibitors from over 35 countries.

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Planned topics include:

- Regenerative Endodontology - Making “Real World” Dentistry Productive and Enjoyable
- Future of Dental Implants
- Developing your Ideal Practice - Multidisciplinary Approach to Periodontal Therapy
- Adult Orthodontics Today

For full list of speakers and their topics, visit www.idem-singapore.com

NEW Sessions for Dental Technicians, Oral Health Therapists and Dental Hygienists. Details will be available in September 2013!

For full list of speakers and their topics, visit www.idem-singapore.com