Anticipation was growing as final preparations were made yesterday before the doors of the Suntec Singapore Convention & Exhibition Centre swing open this Friday for the next edition of the International Dental Exhibition & Meeting in Singapore. Those familiar with the show, which is being held in the city-state for the eighth time, will have to reorientate themselves as major reconstruction of the Suntec City complex in Marine Parade has also brought changes to the show itself.

The exhibition, previously held only on Level 4, has been expanded to include Level 6 and now provides exhibition space for more than 500 dental manufacturers and dealers from the region and beyond. Furthermore, all sessions of the scientific programme are now being held on Level 4, making it more convenient for visitors to move quickly between the industry showcase and scientific presentations.

Useful information

Exhibition opening hours
- Friday, 4 April: 10.00 am - 6.00 pm
- Saturday, 5 April: 10.00 am - 6.00 pm
- Sunday, 6 April: 10.00 am - 4.00 pm

Food and beverages
A lunch area for delegates is located in the back of the exhibition hall on level 6.

Internet
Free wireless internet is available in all areas of the exhibition centre.

Money
ATM machines can be found throughout the Suntec City Mall. Banks in Singapore are open from 9:30 am to 3:00 pm on weekdays, and 9:30 am to 11:30 am on Saturdays.

Embassies
Foreign representation offices can provide help in emergency situations like lost passports or visas. They can also assist with travel arrangements or give legal advice. Contact information for foreign missions other than those provided in the list below can be found at the website of the Ministry of Foreign Affairs (www.mfa.gov.sg).

- Australian High Commission
  25 Napier Road, +65 6688 4000

- Embassy of Japan
  16 Nassim Road, +65 6238 5933

- Embassy of the Republic of Korea
  47 Scotts Road, +65 6256 1188

- US Embassy
  27 Napier Road, +65 6476 9100

Emergency telephone numbers
- Police: 999 (112 or 911 from an international phone)
- Emergencies, Fire or Ambulance: 995
- Lost credit cards
  1800 227 6868 (VISA) or 6227 8888 (MasterCard)

Suntec opens today for Singapore’s biggest dental show ever

New products and services for dentistry on display at Levels 4 and 6
The educational offerings at IDEM have also been extended in terms of professionals groups and now include special forums not only for dental labs at the Dental Technicians Forum presented by the Centre for Advanced Professional Practices, but also for hygienists and final year students who are about to start a career in the field. More clinically focused education will be provided by Dental Tribune International, which is hosting its third Dental Tribune Study Club symposium at Booth 6P-22 on Level 6. The free-access lecture series is supported by a number of industry players and will run daily from 10.00 am to 6.00 pm. (10.00 am to 4.00 pm on Sunday). Highlights of today’s programme are presentations on 3-D imaging technology and smile design, among other topics.

According to Michael Dreyer, Asia Pacific Vice President of Koelnmesse, with whom today international had the opportunity to speak yesterday over the phone, said that participation for this edition of IDEM Singapore is anticipated to increase by approximately 12 per cent compared to the last show in 2012, which saw an overall attendance of over 7,000 professional visitors. The increase is due to a large proportion of the new visitors are from within the region itself, he said, further emphasising IDEM’s position as the largest meeting for dentistry in the Asia Pacific region. Owing to a new contract with Suntec for the use of Level 6 for the show, IDEM is also prepared for more growth in the future, he added.

Among the new products presented at IDEM this year. The styles 137 (Anterior), 204 (Posterior), Facial (Goldman Fox) and Universal (4L/4R) are designed to offer a full restorations easy to shape and contour. Cure HV’s packability is supposed to make adhesive to instruments. In addition, Riva Self Cure HV’s packability is supposed to make restorations easy to shape and contour.

The Australian company SDI presents Riva Self Cure HV, a high viscosity, extremely strong self-curing glass ionomer restorative, which is strong enough to resist surface indentation and to withstand substantial mechanical loads. Among other benefits, it can be bulk placed and does not adhere to instruments. In addition, Riva Self Cure HV’s packability is supposed to make restorations easier to shape and contour.

Premier Dental Products has brought four new innovative implant scaler designs to IDEM this year. The styles 137 (Anterior), 204 (Posterior), Facial (Goldman Fox) and Universal (4L/4R) are designed to offer a full selection to dental professionals. According to the US company, its implant scalers are made from fibre reinforced graphite, a material that is strong yet slightly flexible. These features allow the tips to access tight areas effectively and safely, while helping to avoid damage to the surface of the implant.

For more news from this year’s IDEM Singapore please scan the QR code at the bottom left or visit www.dental-tribune.com.
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Made in Finland
Japanese dental manufacturer introduces the EyeSpecial C-II dental camera at IDEM Singapore 2014

For almost a century, SHOFU Dental has been an international household name for dental clinical and lab materials. However, the company has also been manufacturing and selling equipment for digital dentistry and photography, if only in its home market in Japan.

With the introduction of the new EyeSpecial C-II digital camera (on display at IDEM 2014) SHOFU is now bringing a new digital camera to Singapore, exclusively developed for use in dentistry.

Made completely in house in cooperation with experts in photography and cosmetic dentistry, the camera was conceptualised to be useful for a wide range of dental applications including intraoral photography, shade selection and detailed image taking of anterior teeth. It comes with eight pre-set dental modes which, according to SHOFU Dental’s Asia-Pacific Managing Director Patrick Loke, are combined with a built-in proprietary flashmatic system and a number of image processing functions like colour correction and auto-cropping to simplify the process of dental photography significantly. He added that the camera is extremely lightweight and features a large LCD touchscreen display, making it possible for the user to operate it with one hand, leaving the other hand free for holding the mirror or cheek retractor.

“This camera is so simple and predictable that it provides a fool-proof solution for dentists, enabling even those without any in-depth knowledge of dental photography to take accurate photos every time. The entire dental team, even in multi-specialty practices, will benefit from it,” Loke told today international on Thursday.

Prior to its premiere here at IDEM, the camera has been showcased at large dental meetings in the US and China. But it is here, in Singapore, that the EyeSpecial C-II will be presented to a large community of Asian dental professionals for the first time. “We believe that IDEM is the most suitable event in which to launch the EyeSpecial C-II as it will give this unique product regional exposure," explained Loke.

He said that further development into shade taking and restorative simulating functions is anticipated for the camera in the future.

Visitors to IDEM Singapore 2014 will be able to get hands on with the EyeSpecial C-II at SHOFU’s booth 4A 10 on Level 4. In addition to the camera, the company also has a number of products for restorative dentistry on display, including the universal direct aesthetic restorative Beautifil Injectable and BeautiSealant, a product for sealing deep grooves and fissures without the need for a conventional phosphoric acid etchant.

Straumann invests in MegaGen

Swiss implant company aims for more expansion in Asia-Pacific region

This week, global dental manufacturer Straumann announced that it has made a strategic investment in MegaGen, one of the fastest-growing dental implant companies in Korea. Straumann purchased convertible bonds for a total of US$30 million, which can be converted into shares in 2016 to own a majority stake in the company.

In order to drive expansion in the implant segment in the Asia-Pacific region, Straumann is aiming at building a platform for value brands in which MegaGen will have an important role as a strong partner based in Asia, said Marco Gadola, Straumann’s CEO.

The Korean company stated that it will be investing the majority of the transaction proceeds in the expansion of its domestic and international implant business and the worldwide promotion of its digital platform.

MegaGen is a privately held company owned by about 150 shareholders, with the three founding shareholders holding 38 per cent of the shares. Based in Daejeon and Seoul, the company offers a broad range of low-cost implant systems, digital dentistry solutions, regenerative tools and products to support implant procedures. In 2013, the company generated global revenue of more than US$30 million, of which almost two-thirds was generated in the Asia Pacific region.

The two companies will continue to operate separately as different brands, reflecting Straumann’s multi-brand strategy that was implemented already with the purchase of Brazilian manufacturer Neodent and CAD/CAM solutions provider Dental Wings.

Straumann acquired a 30 per cent stake in Dental Wings in 2011 and a 49 per cent stake in Neodent in 2012.
The Straumann® Dental Implant System is a worldwide leading solution for general practitioners and specialists. Our commitment to research ensures high quality backed by independent science. Producing innovations that improve patient care has made us a trusted business partner in over 70 countries.

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UNIDI announces Africa’s first international dental expo

Show in Dakar will target Economic Community of West African States

Africa is currently preparing for its first international dental exhibition ever. The International Dental Exhibition Africa (IDEA) is targeted mainly at importers, distributors and agents in the dental industry, who will have the opportunity to meet the exhibiting companies looking to expand their business into the African market. IDEA will be held at Centre International du Commerce Extérieur du Sénégal in Dakar from 13 to 16 November 2014.

The organiser, the Italian Dental Industries Association (UNIDI), is working closely with local bodies, such as the Ministry of Health, the Ministry of Tourism and the Economic Community of West African States (ECOWAS) in order to guarantee a high-quality event and ensure smooth planning.

IDEA has been promoted already at major dental events, such as International Expodental in Milan, CIOSP in São Paulo, AEEDC in Dubai and the Chicago Dental Society Midwinter Meeting, and generated a great deal of interest from foreign dental manufacturers aiming to enter the African dental market.

The reference market for IDEA is the ECOWAS countries, including Benin, Burkina Faso, Côte d’Ivoire, Guinea–Bissau, Mali, Niger, Senegal, Togo, Gambia, Ghana, Guinea, Liberia, Nigeria, Sierra Leone and Cape Verde, covering a total surface area of 4.1 million sq km with a population of over 300 million. UNIDI aims to make IDEA the reference event for the entire West African dental industry.

UNIDI will be supported by Dental Tribune International (DTI), which was chosen as its official media partner. The international publisher of dental media will produce a today trade show newspaper, which will provide visitors with relevant information about the show, interviews, product news, industry reports, and an event schedule.

More information is currently available at booth 4B-10 or at www.ideadakar.com.

Dental Tribune International to launch Digital Dentistry Show

Today, digital technology is one of the fastest-growing market segments in dentistry and digital processes are increasingly determining everyday practice in dental offices and laboratories. In order to offer dental professionals a unique opportunity to keep up with these developments, Dental Tribune International (DTI) will be hosting the Digital Dentistry Show (DDS), the first event entirely dedicated to the field, in October this year.

In recent years, an increasing number of dental companies have released innovations in digital hardware, software and consumables, such as 3D imaging, CAD/CAM and intra-oral devices. DDS will provide comprehensive information on the latest digital technology and is targeted at dentists, dental technicians and representatives of the dental industry.

In contrast to the conventional booth-based presentation of products, DDS will be showcasing digital innovations through a combination of sponsored live product presentations, hands-on workshops, discussion sessions, an exhibition and a printed guide, offering participants a dynamic and interactive education experience.

The show will be launched at the International Expodental in Milan, one of the most important events in the Italian dental industry, which will be held from 16 to 18 October. Online registration for dental professionals will soon open on the DDS website. More information are available at booth 6P-22 or online at www.digitaldentistryshow.com.
“Infection control does not have to be more expensive or complex”

An interview with IDEM presenter Prof. Laurence Walsh, Australia

I think this is something that will happen gradually as the general awareness of the public concerning infection control practice increases. When wearing gloves became routine in dentistry in the early 1980s, for example, it took probably around five to ten years for patients to expect the person treating them during a dental visit to use gloves. Sometimes, these expectations take a while to work their way through the system. This is just the reality of the world we live in.

With tens of millions of new infections expected to occur in this decade in Asia alone, HIV/Aids has been identified as one of the main threats to infection control. What other threats should health professionals, including dentists, be concerned about?

HIV is still very much on the world stage, particularly in large, populous countries, such as India and China. While the percentage of HIV infections is very low owing to the large populations in these countries, it is important not to forget about the virus or think that it has been eradicated. In my home country, Australia, for example, the rate of HIV infections has not changed much, despite efforts such as education and public health measures.

A greater issue in Asia, however, is the various forms of influenza viruses and other infections. With the exception of the 2009 swine flu outbreak, many of these (SARS, MERS, H1N1) have originated on the continent. There are many unusual practices in many countries concerning people’s proximity to different sorts of birds, particularly domestic chickens. When animals and people live in such close proximity, opportunities for the potential spread of infection from animals to people arise.

In Australia, we currently have some major problems with viruses that are carried by large colonies of bats. If one has a colony of several thousand of these animals in one’s district, one probably does not want to spend too much time around them and risk being exposed to the virus. People now think about birds and chickens in much the same way and this awareness is perhaps an important message to be taken from these incidences. There is ongoing concern about the equatorial regions because large numbers of people and birds live very close together in those areas.

A second serious concern, mainly in developed parts of the world, is antibiotic resistance.

There is a large push in countries like Australia, the UK and the US to limit the way health professionals use antibiotics. I was looking at some data recently for different regions in the US and there are actually parts of the country where more prescriptions for antibiotics are given out every year than there are people in that state. This means that every person in the state receives one or two prescriptions for antibiotics every year! This has created enormous potential for developing resistance. Many governments around the world are now starting to change regulations around the use of antibiotics in an attempt to restrict their use to essential indications, so that they are not used unnecessarily.

So, breaking it down, we have a high-technology problem in the developed world and a low-technology problem in developing countries.

How often do incidences of failed infection control occur? In 2012, for example, the University of Hong Kong Health Service’s Dental Unit had to call in over 300 patients owing to incomplete sterilisation of dental instruments. There were quite a number of instances in the media last year. I guess the most famous one occurred in Oklahoma in the US, where 6,000 patients treated at a dental practice had to be recalled for blood tests. The practice had treated large numbers of patients who were known to have HIV and viral hepatitis, so it is likely that there might have been patients who were exposed to these sorts of conditions because of very poor sterilisation practices. That happens even in the developed world. I expect not all make the front page of the local newspaper but they keep consultants or investigators like me, who are brought in to unravel these problems, busy.

These incidences are not necessarily limited to a very affluent country or a country that is still developing. They actually happen because health professionals simply cut corners or do not know the correct way of doing things. It comes down to continuing education and the way our students are trained in dental school. This is probably more important than government regulations, accreditations or practice inspections, which are things that often happen after the problem has occurred. They are more of a reaction to the problem than a preventative measure, which would be to train students properly in the first place.

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Standard precautions, such as using gloves and the routine processing of instruments, are expected to be followed around the world. These measures have to be applied to the treatment of every patient every day regardless of who they are. What we are dealing with now are patients who may have tuberculosis or the seasonal influenza virus, which is quite a tricky situation in a clinical practice because they are very easily spread.

Probably one in four patients who contract the flu is known as a super secretor, which means they shed massive amounts of the virus in the area around them and are much more able to infect other people. If a practice does not follow precautions additional to the standard precautions in this case, it is very likely that either members of the staff or another patient they see later in the day could contract the flu. In terms of seriousness, it is well documented that patients who are over 65 have a much higher mortality if they contract the regular seasonal influenza virus than most other patient groups.

We tend to stress hepatitis B, HIV and hepatitis C, but, by sheer weight of numbers, patients are much more likely to contract influenza in a dental practice that does not follow correct infection control practices and then take it home to the other members of their family. The long-term consequences of that could be very severe.

When infection control is taught today, much time is given to things that can be inhaled, not just things that enter the body through a dental needle piercing the skin. When it became a hot topic in the early 1980s, the focus of infection control was very much around hepatitis and HIV but, in terms of the frequency of exposure, we see a great deal of awareness now of things like biofilms, Legionella and influenza, things that dental staff can actually inhale at work. I guess that is a much more common sense approach because it focuses on the exposure that dental staff may have at work every day rather than things they are rarely exposed to in many parts of the world.

In most countries, there are protocols for that. For example, in my country we use a pre-procedural mouth rinse, schedule the patient for the end of the day and clean all the surface in the dental surgery twice. There is a whole protocol of extra things that can be done to deal with the additional risk.

Is the correct way of performing infection control affordable, particularly for dentists in developing countries?
Some of the most simple and basic things in infection control come down to wearing a mask or gloves the correct way and ensuring that one is practising the correct hand hygiene. These are things that are not very expensive. The cost of putting on new disposable gloves for every patient is only a fragment of the actual total cost of providing care to the patient, which includes the use of materials, such as disposables and bonding agents. When one looks at it in terms of the overall running of a practice, it is probably less than a couple of syringes or something else that we might have also used during the day. So while it does cost, relatively speaking it does not cost quite that much.

In a number of countries, including my own, a great deal of work is being done in terms of sustainability, which basically focuses on throwing fewer things away. There is all sorts of unnecessary waste. In some parts of the world, people put on too many plastic covers when they probably do not need to because the surface is designed to be wiped over with a disinfecting agent. It is almost like a pendulum: when the pendulum swings too far, one applies additional measures and all that results are costs with no extra protection.

Around the world, there has been a very strong push towards looking at the evidence for doing or not doing certain things. A very good example is that, during the swine flu outbreak in many parts of the world, people bought large numbers of high-filtration masks. A number of studies showed that, while the mask has a better filter, often the staff did not wear it properly and therefore did not gain any benefit from having spent all the extra money and the discomfort of wearing the mask. So one might have a better protective measure, but people do not apply it properly or misunderstand it.

That is probably a very important lesson. Sometimes, infection control does not have to be more expensive or complex. It comes back to things like protecting against what people breathe in and ensuring that good hand hygiene is practised. These are some of the principles that are not expensive to follow but, if one gets them wrong, things can go bad very quickly.

Thank you very much for the interview.
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Is regenerative endodontics the future?

By Prof. Beena Rani Goel, India

According to the American Association of Endodontists, regenerative endodontics is defined as "biologically-based procedures designed to physiologically re-implant or regrow pulps. Tissue engineering technology to place damaged tooth structures, including dentin and root structures, as well as cells of the pulp-dentin complex". There are two clinical concepts for management of endodontically compromised immature permanent teeth, one of which is the revitalization approach to achieve tissue generation and regeneration in the root canal system. The second is focused on the active pursuit of pulp-dentine regeneration via tissue engineering technology to regenerate endodontics may be an alternative treatment method for clinical endodontics. There are case reports demonstrating that after conventional root canal treatment, an abscessed tooth can heal and its root continue to develop after successful disinfection. This depends on whether the root canal space can be disinfected. Before the pulp becomes totally necrosed, the remaining pulp tissue may be recoverable after disinfection and help to regenerate the lost portion. Engineered pulp tissue may be inserted into the pulp space to enhance the regeneration, and to facilitate the entire recovery of pulp tissue and the generation of new dentine. When the entire pulp tissue is lost, synthesis of new pulp must take place in order to regenerate the tissue.

Pulp tissue regeneration has been difficult so far because the tissue is encased in dentine without collateral blood supply except from the root apical end. Now, with modern tissue engineering and the discovery of dental stem cells, regeneration of pulp and dentine appears finally achievable. Several different stem cells from pulp tissue have been discovered, including dental pulp stem cells from the pulp of permanent teeth, human exfoliated deciduous teeth and apical papillae. These cells have demonstrated characteristics of mesenchymal stem cells with multiple differentiation potentials. The source of cells is an issue in cell-based therapy. The supply of dental stem cells is limited, especially when derived from autologous sources. Not every individual who needs regeneration treatment has ready-to-use cells available.

Infection or trauma can lead to a total loss of pulp tissue. In order to generate pulp tissue from scratch, pulp stem cells have to be seeded into a scaffold and implanted into the canal space. Dental pulp stem cells, stem cells from apical papillae and pulp stem cells from human exfoliated deciduous teeth demonstrate the capability to de novo regenerate pulp and the former two are also capable of generating new dentine.

Tissue engineering processes involve developing an engineered construct in the laboratory, which is preceded by isolating stem cells from the body, expanding them in a culture and seeding these cultured cells on to nano-fibrous scaffolds in culture medium supplemented with growth factors. The engineered tissue is then transplanted into the recipient site. Three elements critical to the success of tissue engineering are stem cells, morphogens/growth factors and a scaffold.

The four factors that can lead to the growth of pulp tissue within the root canal space by inducing stem cells from the adjacent site to populate the area are thorough disinfection of the root canal, the presence of a matrix within the canal on which new tissue can grow, appropriate factors or stimuli present locally in the desired concentration and for the desired period, and the bacteria impermeable seal of the access opening.

In order to replace conventional root canal treatment, regenerative endodontics should be economical, clinically practical, non-lengthy and patient conducive so that it can be performed routinely.

A list of references is available from the publisher. Prof. Beena Rani Goel is the President of the International Academy for Rotary Endodontics and a well-known endodontist from India.

Event tip

Insights into the field of regenerative endodontics will be given today at a SDA Masterclass Presentation by Prof. Ken Hargreaves, Professor and Chair of Endodontics at the University of Texas Health Science Center. The lecture starts at 11 a.m. in hall 406.
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Level 6, Booth 6P-22
Dental Tribune Study Club at IDEM Singapore, 4-6 April 2014

FRI, 04.04

10:00 – 11:00 | Dr. Marius Steigmann
Implant Placement and Treatment in the Aesthetic Zone - Part 1
Live Lecture

11:00 – 12:00 | Sabine Nahme
3-D Imaging Solutions for Powerful Diagnostic Value Without Guesswork
Live Lecture

12:00 – 13:00 | Dr. Andreas Teichmann
The perfect smile – Bringing back the natural tooth colour
Live Lecture

13:00 – 14:00 | Prof. Lorenzo Breschi
Adhesive systems: Overview, Evaluation, Development
Recorded Lecture

14:00 – 15:00 | Dr. Ed McLaren
The “BEEF” Bonded Functional Aesthetic Prototype a Little PSD
Recorded Lecture

15:00 – 16:00 | Sabine Nahme
Clinical and Diagnostic Advantages Before, During and Post-endodontic Treatment to Investigate the Root Morphology in 3-D
Live Lecture

16:00 – 17:00 | Dr. Andreas Teichmann
Dentocron revolution: A new level of enamel protection
Live Lecture

17:00 – 18:00 | Dr. Marius Steigmann
Implant Placement and Treatment in the Aesthetic Zone - Part 2
Recorded Lecture

SAT, 05.04

10:00 – 11:00 | Sabine Nahme
3-D Imaging Solutions for Powerful Diagnostic Value Without Guesswork
Live Lecture

11:00 – 12:00 | Dr. Barry Freydelberg
Luminizers*: the proven leader in custom made thin veneers for a natural, permanent beautiful smile and Duo-POCH* alternative porcelain solution to direct composite bonding
Live Lecture

12:00 – 13:00 | Dr. Steven Soo
"Are You Using CAD/CAM? If Not, Why Not?"
Live Lecture

13:00 – 14:00 | Dr. Andreas Teichmann
Dentocron revolution: A new level of enamel protection
Live Lecture

14:00 – 15:00 | Sabine Nahme
Live Lecture

15:00 – 16:00 | Gianfranco Berrutti
Ideas Dakar 2014, A GATEWAY TO AFRICAN MARKETS
Live Lecture

16:00 – 17:00 | Dr. Marius Steigmann
Implant Placement and Treatment in the Aesthetic Zone - Part 2
Recorded Lecture

17:00 – 18:00 | Dr. Andreas Teichmann
The perfect smile – Bringing back the natural tooth colour
Live Lecture

SUN, 06.04

10:00 – 11:00 | Dr. Marius Steigmann
Implant Placement and Treatment in the Aesthetic Zone - Part 4
Recorded Lecture

11:00 – 12:00 | Sabine Nahme
Clinical and Diagnostic Advantages Before, During and Post-endodontic Treatment to Investigate the Root Morphology in 3-D
Recorded Lecture

12:00 – 13:00 | Dr. Andreas Teichmann
The perfect smile – Bringing back the natural tooth colour
Live Lecture

13:00 – 14:00 | Didier Dietschi
Ultra-conservative Smile and Aesthetic Rehabilitation: Indications, Limits and Clinical Procedures
Recorded Lecture

14:00 – 15:00 | Stephane Brouet
Fibre-reinforced Composites… A Real Breakthrough
Recorded Lecture

15:00 – 16:00 | Prof. Dr. Roland Frankenberger
Preparation Techniques and Luting of All-ceramic Restorations – What Are the Key Issues?
Recorded Lecture

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<image>
are often recommended to take an X-ray to ensure that they detect any approximal caries in addition to examining the teeth with a probe. This exposes the patient to more radiation however.

In an effort to help dentists to detect approximal caries better and in a non-harmful way, Dür Dental has recently extended its dental camera system VistaCam IX with an optional interchangeable optical head. According to the German dental manufacturer, the new optical device is boasting infrared technology to aid diagnosis without further exposure to radiation. The instrument is positioned above the occlusal surfaces of teeth and the two adjacent teeth, premolar or molar, are lit by two infrared LEDs. Owing to the pre-set wavelength, the dental enamel becomes slightly transparent when healthy or takes on a light coloured, opaque appearance when caries lesions are present. This way, any approximal caries becomes instantly visible and can be treated, the company said. Images or video captured with the system can be saved in the DBSWIN imaging software.

In daily practice, dental professionals have to face a wide range of patient types as well as pathogens. Therefore, it is important to choose the appropriate anaesthetic for each treatment and patient considering factors such as the need for postoperative pain control, the required haemostasis, the risk of postoperative self-inflicted injuries as well as any existing contraindications to the selected local anaesthetic.

Inibsa Dental says that it has the right anaesthetic to suit every patient. The Spanish company currently provides a complete range of drugs to deliver safe, convenient and effective anaesthesia for every type of dental procedure. Its local anaesthetics are aseptically manufactured and they make use of silicone-coated, latex-free rubber components to allow a smooth and painless injection, according to Inibsa.

Inibsa Dental adds new technologies to Cranex 3D

A manufacturer of pharmaceutical products with over 65 years’ experience in the research, development and production of dental anaesthetics, the Barcelona company has an annual production capacity of over 150 million cartridges, positioning it amongst the world’s leading manufacturers in this field.

**NEW INSTRUMENTS ON DISPLAY BY NTI**

NTI is going to present a number of new instruments at IDEM including cutters for shaping zirconia and titanium abutments. Carbide burs for the treatment of root canals will also be showcased in hall 4. With their small diameter, they were designed to allow clinicians to locate, open and extend the root canals of even the most grade anterior teeth, the German manufacturer said. A longer slim neck also enhances the view, particularly under the endodontic microscope, when locating the root canals. NTI said that cutting has been simplified through a special cutting geometry that is supposed to make the removal of even hardened dentin easier. Depending on the situation, clinicians can choose between three sizes of the instrument.

Recommended as perfect solutions for all all-ceramic superstructures, zirconia abutments can now be shaped effortlessly using the new ZCut diamond instruments. Damage of the material through the formation of cracks and breaking of crystals is prevented by a special grit size of less than 80 µm. Lifetime of the instruments was enhanced through better stability of the grid, while a new bond offers unbeatable grinding performance by preventing the ZCut from breaking out, according to the company.

**SOREDEX ADDS NEW TECHNOLOGIES TO CRANEX 3D**

Dental equipment manufacturer SOREDEX has improved image quality for its dental imaging system CRANEX 3D with SOREDEX Advanced Reconstruction Algorithm (SARA) and SOREDEX Metal Artefact Reduction (SMART). The new technologies allow clinicians to detect clearly small anatomical details like small fractures or endodontic root fillings and reduces the effect of metals and other dense radiopaque objects on the 3D image which usually create artefacts that are typically displayed as stripes and shadows.

The CRANEX 3D with the new ENDO 3D mode aims at endodontists who require very high image resolution. Its Endo imaging modes provide accuracy required for endodontic imaging with 85 µm voxel size and SMART (90 kV, 10 mA), the manufacturer said.

According to Soredex, Easy Scout and PickPoint enable accurate FOV positioning in all dental and facial areas. Adjutable rigid temple support and motorized chin rest ensure high stability with all facial FOV positions during 3D imaging minimizing movement artefacts. With the novel patient positioning, the CBCT imaging in CRANEX 3D works smooth and fast.

**SOREDEX FINLAND**

*www.soredex.com*  
*Booth 6K-06*

**INIBSA DENTAL, SPAIN**

*www.inibsa.com*  
*Booths 4E-20 & 4H-31*
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Experience truly unbeatable value for money: Synea Fusion. Uncompromising user comfort with optimal LED illumination, 4x spray and quiet, vibration-free operation included. Now available with the most common connections. More info at wh.com
The global provider of implant dentistry solutions Straumann has announced that its innovative implant material Roxolid will soon be available in all South East Asian markets. The new broadened Roxolid SLActive implant portfolio will be rolled out across the region by the end of 2014, the company said.

At IDEM, Roxolid will be presented for the first time on all diameters and all implant lines in Asia. Furthermore, Straumann will showcase a new 4 mm short implant for severely atrophic jaw bone. All Roxolid SLActive implants feature the new Loxim transfer piece to simplify the handling.

According to Straumann, the combination of the high mechanical strength of Roxolid with the advanced osseointegration properties of the hydrophilic SLActive surface allows dental professionals to avoid GBR procedures by choosing smaller sized implants which can reduce the invasive ness of implant treatments and increase patient acceptance because invasive grafting procedures can be eliminated. This way, clinicians will be able to reduce treatment time, preserve vital peri-implant structures and decrease post-surgical complications. New implant patients can also be attracted to the practice by offering products that avoid the need for invasive and costly GBR procedures, the company added. All implants are covered by Straumann’s lifelong implant warranty.

Composed of titanium and zirconium, Roxolid was specifically designed for use in dental implantology. The material has been successfully used by clinicians worldwide during the last four years and, according to Straumann, the vast majority of them are fully convinced of the advantages of this innovation. Mechanical tests have demonstrated a significantly higher tensile strength of Roxolid compared to annealed or cold worked titanium. Furthermore, dynamic fatigue strength tests have demonstrated that i.e. Ø 3.3 mm Titanium Level Roxolid implants are stronger than Ø 4.1 mm Tissue Level Titanium implants and that Ø 4.1 mm Bone Level Roxolid implants are stronger than Ø 4.8 mm Bone Level Titanium implants.

The outstanding performance of SLActive was also demonstrated in various pre-clinical and clinical studies. Roxolid implants have not only shown superior capabilities for osseointegration compared to Titanium SLActive implants; these properties have also been demonstrated for the first time in a commercial model.

GI RESTORATIVE FROM SDI OFFERS STRENGTH, MIMICS DENTIN

With Riva Self Cure HV, the Australian company SDI is presenting a high viscosity, extremely strong self-curing glass ionomer restorative at IDEM, which is strong enough to resist surface indentation and to withstand substantial mechanical loads. Among other things, it can be bulk placed and does not adhere to your instruments. In addition, Riva Self Cure HV’s packability is supposed to make restorations easy to shape and contour.

Riva Self Cure HV can also be used to replace missing dentin. According to SDI, it is the best dental material currently available that virtually mimics dentin. Sensitivity is non-existent and no adhesive is required, the company added.

Riva Self Cure HV releases significantly more fluoride resulting in increased anti-cariogenic properties for improved longevity of the restoration. It is currently available in shades A1, A2, A3 and A3.5.

Dental manufacturer A-dec is celebrating its 50th anniversary this year. Founded in 1964 by Ken Austin and the late Joan Austin in Newberg, Ore., in the USA, the company is one of the best-known manufacturers of dental chairs, delivery systems, and dental lights worldwide today.

In addition to its 50-acre US headquarters, which employs more than 1,000 people, A-dec currently maintains operations in Australia, China and the UK, cooperating with an extensive network of dealers in more than 100 countries worldwide.

Over the last few decades, the company has developed a number of innovations used in dental practices worldwide. In 1944, for example, the first vacuum ejector, patented by A-dec, replaced belt-drive devices in treatment rooms.

The company also introduced the first compact delivery system, revolutionizing treatment of patients by making it more efficient and ergonomic.

A-dec products recently won Townie Choice awards in the categories Best Patient Chairs, Best Operator Delivery Systems, Best Dental Cabinetry, Best Operatory Lights, Best Stools and Best Waterline Systems for the tenth consecutive year.

“A-dec began with a simple idea,” said co-founder Ken Austin. “Our approach then and today is to create a better solution that’s simple and easy to use.”
Bio-Emulation™ Colloquium
The Santorini Experience - June 21-22, 2014, Greece

Mentors

Emulators

Registration information:
June 21-22, 2014, Greece
The Venue will be held at the Petros M. Nomikos Conference Centre, Fira.
Colloquium fee: € 799
Tel: +49 341 48474 302 / email: request@tribunecme.com

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**NOVELTIES FOR IMPLANT AND ENDODONTIC SURGERY**

Dental products “Made in France” are on display at level 6, where FFDM-Thomas is currently presenting a variety of dental instruments like dental implant drills and endodontic files. Moreover, the manufacturer from Bourges in the heart of France is showcasing dental trephines of the Thomas brand that can be used to remove bone around dental implants safely.

According to FFDM, the instruments have sharpened blades made of stainless steel that increase the cutting efficiency for a non-traumatic treatment. They also feature depth marks in order to allow clinicians to accurately control the drilling depth. The company recommends to use the trephines on a contra angle in order to reach the required rotational speed of 500 to 800 rpm.

Owing to the expertise of over 10 years of development, FFDM is now able to manufacture implant drills with complex shapes, including conical, cylindrical and shaped.

Coatings, heat and surface treatments, laser marking, colour identification are other fields the company says to have mastered.

Besides its comprehensive range of products for dental implantology, the company also offers a number of endodontic products including files that are sold under the Thomas brand. Available in manual or in contra-angle versions, they can be used to clean, disinfect and to shape the root canals when they are infected by bacteria, the company said. They come either in stainless steel or nickel titanium, a shape memory alloy.

For the clinical challenge of removing posts from root canals prior to endodontic retreatment, the company now offers the Universal Post Remover, a modified version of its proven GONON post removal. With this new version, the company said clinicians will be able to easily remove the majority of posts (posts, screw posts, fiber posts) that are currently available in the market without risking the integrity of the remaining tooth structure.

**SHOFU PUSHES RESTORATIVE DENTISTRY WITH INNOVATIVE PRODUCTS**

SHOFU’s universal direct aesthetic restorative Beautifil Injectable was developed with a unique resin micro-structure that is said to offer mechanical properties for remarkable performance even in load bearing areas.

According to the Japanese manufacturer, the paste has ideal viscosity and a non-tacky, non-droopy consistency for restorations that can be easily shaped as clinicians extrude the material from the syringes. Having optimised the filler-matrix complex, Beautifil Injectable controls light diffusion within itself in such a way that it mimics the optical characteristics of natural teeth.

A member of the Giomer family of restoratives, Beautifil Injectable also contains 5-PRG fillers to provide continuous fluoride protection and unique anti-plaque effect. It is available in 2.2 gram syringes that have disposable needle tips for cross infection control.

SHOFU has also introduced BeautiSealant last year which is supposed to eliminate the need for a conventional phosphoric acid etchant completely. Based on SHOFU’s proprietary 5-PRG technology with specially developed fluoride charged 5-PRG fillers for a better anti-cariogenic effect, the product seals deep grooves and fissures. Sustained release and recharge of fluoride provides allround protection, particularly for fissures. Sustained release and recharge of fluoride provides allround protection, particularly for fissures.

The sealant comes with a selfetch primer containing dual adhesive monomers that penetrate into the pits and fissures on order to prime the tooth surface for an effective chemical bond to the sealant with minimal damage to enamel. According to SHOFU, the exclusion of HEMA in the formulation prevents hydrolysis at the bonding interface thus providing long-term stability and retention. An efficient, non-drip, fuss-free syringe design and an extra fine 27 gauge needle tip allows precise delivery of the smooth, bubble free sealant without the grooves getting overfilled. Beautifil is available as a set and refills.

**NEW IMPLANT SCALER DESIGNS AVAILABLE FROM PREMIER**

Premier Dental Products has brought four new innovative implant scaler designs to IDEM this year. The styles 137 (Anterior), 204 (Posterior), Facial (Goldman Fox) and Universal (4L,4R) are supposed to offer a full selection to dental professionals.

According to the US company, its implant scalers are made from fiber reinforced graphite, a material that is strong yet slightly flexible. While these features allow the tips to access tight areas effectively and safely, damage to the surface of the implant can be avoided.

The tips are thin and sharp and have well-defined edges. A new redesigned handle has textured grips and a larger diameter for providing greater comfort and better control, the company said.

Premier Implant Scalers are available in two-and five-instrument packs and can be reused.

**SHOFU DENTAL ASIA-PACIFIC, SINGAPORE**


**Booth 4A-10**

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**SHOFU DENTAL ASIA-PACIFIC, SINGAPORE**


**Booth 4A-10**
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E info@digitaldentistryshow.com | W www.DigitalDentistryShow.com
INDULGE AT SINGAPORE’S LIFESTYLE HAVENS AFTER HOURS

Singapore provides the perfect mix of work & play

In need of some downtime after business? Surrounding Singapore’s financial centre is a variety of leisure havens perfect for kicking up those business shoes and letting your hair down after hours.

Regardless of preference, there is something for every executive in the city ranging from shopping to dining, to nightlife and entertainment once meetings are completed for the day.

GET YOUR SHOPPING FIX
Indulge in some retail therapy at the myriad malls along Singapore’s famed shopping belt, Orchard Road. Look out for ION Orchard with its stable of flagship and concept stores ranging from luxury labels to high street brands, iconic time piece boutiques to classy art galleries. Of note is the mall’s Jewellery Street in Basement 1 with some of the island’s finest fashion jewellers.

Just a walk down from ION Orchard is another shopping sanctuary, Paragon Shopping Centre, home to Gucci’s only duplex flagship in Singapore. Across the side street from it is Knightsbridge which houses Marni and the region’s only Abercrombie & Fitch boutique which stocks the full range of the brand’s aspirational casual luxury offerings. Do also check out retail hotspot The Shoppes at Marina Bay Sands®, noted for Louis Vuitton Island Maison, the fashion house’s first floating flagship boutique in the world, and its collection of street wear labels such as now-to-market Zadig & Voltaire and multi-label style emporium The Society of Black Sheep.

If you’re a tech junkie, Funan DigitalLife Mall is the place to head to for its gamut of electronic and photographic products conveniently under one roof.

FLAVOURFUL ESCAPES
Those seeking the pleasures of fine dining can savour the delights of Singapore’s culinary establishments. Check out the Singapore outposts of Michelin-starred chefs which include Joël Robuchon and CUT (by Wolfgang Puck). Also savour the gastronomic creations of celebrated home-grown chefs at Restaurant André, Iggy’s and FiftyThree.

But to really know Singapore, one has to sample the country’s mouth-watering hawker fare such as Chicken Rice, Bak Kut Teh (pork rib soup) and Fried Oyster Omelette. Find these and more at the Singapore Food Trail and Newton Food Centre. A not-to-be-missed Singapore signature is the Chilli Crab, which can be enjoyed at No Signboard Seafood or Palm Beach Seafood.

THE NIGHT’S ALWAYS YOUNG
Chill out and let your hair down after a hard day’s work at any of the nightspots in and around the city’s financial centre.

On the bank of the Singapore River is Clarke Quay, whose cluster of clubs, bars and lounges are always vibrant and worth a check. A stone’s throw away is the iconic Zouk at Jiak Kim Street, voted among the top 10 clubs in the world by DJ Mag.

For quiet unwinding, soak in the mind-soothing panoramic view of Singapore’s city skyline at LeVeL33 or 1-Altitude, towering at 156 metres and 282 metres respectively. LeVeL33 is the world’s highest urban brewery while 1-Altitude is the planet’s highest alfresco bar – Perfect vantage points to take in all the city offers after sundown.

For more on how to mix business with leisure in Singapore, visit www.yoursingapore.com
What’s on in Singapore, Friday, 4 April, 2014

Opening Ceremony
IDEM Singapore 2014
Venue: Suntec Singapore Convention & Exhibition Centre, Level 4
Time: 10.00 am

The Opening Ceremony of IDEM Singapore 2014 will be held this morning on Level 4 outside Hall 403/404 at the Suntec Singapore Convention & Exhibition Centre. Registration starts at 8.00 am. The Guest of Honour is Singapore’s Minister of Health, Gan Kim Yong.

Made in Singapore – Rising Son
Venue: DBS Arts Centre, 20 Merbau Road
Time: 8.00 pm

Written by Dick Lee, an eminent singer, composer and author from Singapore, this play takes the audience back to the 1940s when the city-state, then known as Syonan-to, was under Japanese occupation. A coming of age story, it focuses on a pair of siblings, Sunny and Ruby, who try to survive the bombings and other atrocities of war—and their unusual friendship with a Japanese army lawyer, who moves into the house next door. The play is based on real events in the lives of Dick Lee’s aunt and his father, the late Lee Kip Lee (who also happened to be a well known Singaporean author).

Vessel, Rock Out – The Baybeats Edition
Venue: Esplanade, Outdoor Theatre
Time: 8.00 pm

Often compared with bands like Queens of the Stone Age and Incubus, Vessel has been enriching Singapore’s music scene with its alternative rock style since 2009. With songs from their upcoming EP, the five-man ensemble will start off the Baybeats concert series this Friday at the Outdoor Theatre overlooking the Marina Bay waterfront, which will also see other bands performing over the weekend.

Anime Music Night 2014
Venue: Raffles Institution, 1 Raffles Institution Lane
Time: 8.00 pm

www.ri.edu.sg

With their worldwide success at the box office, anime like Spirited Away and Howl’s Moving Castle have captured audiences for this genre beyond the usual fandom. Along with other songs from classical and contemporary films and series, the performance includes themes from the two Hayao Miyazaki features as part of an instrumental musical tour with some of the world’s top anime musicians. The organiser regrets that admission is not open to children under three years of age.

For more information about sights and events in Singapore, please visit the Singapore Tourism Board website at www.yoursingapore.com.
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