United under a single banner of “Leading the world to optimal oral health”

By Dr Orlando Monteiro da Silva, FDI President

The FDI has a long and proud history: founded in Paris in 1907, our federation lived, prospered and made its mark on oral health worldwide through the long and sometimes troubled years of the 20th century. One of the reasons behind its original establishment was to organise dental congresses with a focus on dental education, oral hygiene and public dental health and, in general, to resolve issues of complicated customs, regularise the profession and enable progress.

Anyone reading the programme for this special, celebratory 100th FDI Annual World Dental Congress cannot fail to be impressed at how close our organisation remains to its founding goals, principles and traditions. The same care as ever has been given to compiling an exceptional scientific programme that addresses the major topics and concerns of dental practitioners today, presented by some of the world’s leading clinicians and experts in the field.

Always in the vanguard of trends and thinking, the FDI, at this year’s event, is maintaining its focus on the future role of dental medicine, placing it firmly within the context of public health policy, strategies in fields of public concern such as noncommunicable diseases, and the imperative of linking oral health with general health.

The congress itself is the key event in the organisation’s annual calendar for continuing dental education: most of the time and in at least one region, the FDI provides continuing education throughout the year. However, the congress brings a unique, international focus, with speakers from every area of the world, the Americas, Africa, South and West Asia, the Asia Pacific, and Europe.

It is a place where ideas are communicated and shared among people from different horizons and where friendships are cemented. Way back in 1922, King Alfonso of Spain, addressing FDI delegates in Madrid, said, “By your meeting here you men of science are giving a lesson to diplomats. Because, as soon as something can be done for the good of humanity, for you nations no longer exist (…) A much higher conception unites you all.”

I believe that what he said rings true today. Here we are, men—and women—of science, united under a single banner of “Leading the world to optimal oral health”.

I would like to add my voice to that of my colleagues in the local organising committee in wishing you an enriching and enjoyable 2012 FDI Annual World Dental Congress in this great city of Hong Kong.

Significant achievements have been made

By Dr Sigmund Leung, President of the HKDA and chairperson of the local organising committee

As chairperson of the local organising committee, I would like to extend a warm welcome to you all to Hong Kong on the occasion of the 2012 FDI Annual World Dental Congress. My colleagues and I are especially honoured to be hosting the 100th edition of this prestigious event.

Hong Kong is a special administrative region of the People’s Republic of China and a world-renowned centre of business and commerce. Being international and cosmopolitan, the city offers an infinite variety of things to see and do in a unique fusion of Eastern and Western heritage and culture.

Hong Kong has always kept up with advancing technologies in dental practice in order to meet the constantly evolving needs and demands of the community. As the representative body of the Hong Kong dental profession, the Hong Kong Dental Association has been taking a proactive role in promoting oral health in collaboration with FDI World Dental Federation and local government, as well as establishing an exchange network with our Mainland colleagues and neighbouring countries or places over the years. With concerted effort and support, we are delighted to see that significant achievements have been made and we are honoured to be part of the growth of dental development.

The 2012 FDI AWDC provides all dental colleagues worldwide with a vibrant platform to update dental knowledge, explore new advances in dental technology and foster closer ties. Numerous eminent speakers have been invited to share their expertise with our congress participants. It will broaden our horizon in unlimited ways. Please join us and take full advantage of the opportunities this special Congress has to offer.

By Dr Orlando Monteiro da Silva, FDI President

28 to 31 August 2013 - Istanbul, Turkey

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Global Caries Initiative is going public in Hong Kong

FDI launches new website in partnership with DTI

Today saw the official launch of the FDI’s Global Caries Initiative (GCI) website, through which the federation will communicate the GCI’s aims and achievements. Through a secure platform on the website, partners of the initiative can also debate and discuss specific ways to move the project forward.

The FDI said that it is proud of the GCI not only for the innovative and visionary role it assigns to dental medicine, but also for the opportunity it offers to better integrate dental medicine into public health policy, for example in the field of noncommunicable diseases. First launched in 2009, with support from founding sponsors Colgate, Unilever, Proctor and Gamble, GlaxoSmithKline and Wrigley, the initiative was founded to integrate, in a practical way, the global health promotion dimension of the FDI’s mission. Its ultimate aim is to facilitate a paradigm shift towards preventive caries management.

With that in mind, one of its first achievements was the development of a comprehensive framework for caries classification and management. The FDI Caries Matrix (2011) is a key step in integrating current scientific and establishing political consensus for such a framework. It is also intended to be an initial step towards integrating current science into dental practice, while recognising that it will need further development and refinement. Its development has now been completed and it provides the foundation for the GCI’s future progress.

The GCI is also FDI’s concrete response to a perceived need best expressed at the 120th session of the World Health Organization Executive Board by WHO Director-General Dr Margaret Chan: “Oral health is a neglected area of international development.”

The GCI is also FDI’s concrete response to a perceived need best expressed at the 120th session of the World Health Organization Executive Board by WHO Director-General Dr Margaret Chan: “Oral health is a neglected area of international development.”

According to the FDI, the GCI is not a move from a surgical and restorative model of care to a preventive one, that is replacement, since restoration, whether for health-related or aesthetic reasons, will always have a vital role in the work of the dental professions. The preventive model fulfils a more specific dimension of “leading the world to optimal oral health” by reaching a wider public worldwide in a shorter timeframe. It rather seeks to encompass appropriate restorative care within a prevention-based model of oral health to expand value and contribute to health outcomes, the federation said.

Visitors can join a live demonstration of the exhibition hall.
Challenges for military dentistry discussed

Dental officers gathered in Hong Kong

ers from the People’s Republic of China and other countries discussed various topics related to oral health in the military context and the challenges that military dentistry faces. Among others, they reported on disaster relief and management, forensic dentistry, oral pathology, endodontics, management of dental service delivery, and maxillofacial treatment and computer-assisted design.

“Military forces throughout the world are becoming more technologically advanced and military dental services are now better placed to manage oral health in the military environment,” Col. Andrew Gray, New Zealand Director of Defence Dental Services, told World Dental Daily.

Founded in 1904, the SDFDS today consists of representatives from the USA, China, Australia, New Zealand and South Africa. Its task is to provide a world forum for the exchange of ideas, innovations and concepts within the area of dental services in the defence forces.

PRC officials visit AWDC

Health minister to receive award today

The FDI Annual World Dental Congress will see visits by high-ranking health officials from the People’s Republic of China during the next two days. This afternoon, Minister of Health Zhu Chen will receive the FDI’s first Inaugural World Oral Health Recognition Award during this year’s welcome ceremony. Fifty-nine-year-old Chen, who is also a professor at Jiao Tong University’s School of Medicine in Shanghai, among other things, was selected for his contributions to the development of dentistry in China.

WorldDental Daily has also learnt that the Deputy Director General of the ministry’s Center for Disease Control and Prevention, Dr. Lingli Kong, will be giving a presentation on the oral health situation in China during a special session open to the public tomorrow from 11:30 in room 5421. Simultaneous interpreting into English will be provided. Read more about this in the 31 August edition of WorldDental Daily.
NCDs—A major obstacle to socio-economic development

By Dr Martin Gillis, Canada

In September 2011, a UN High-level Meeting on Non-communicable Diseases (NCDs) was held in New York. This was a watered-down moment in the global fight against NCDs with the adoption of the Political Declaration on NCDs by UN member states, meaning that all nations must take action against this global epidemic. The four principal NCDs, cardiovascular disease, cancer, diabetes and respiratory diseases, accounted for 60% of all deaths globally and 80% of deaths in low- and middle-income countries in 2005. The WHO projects that deaths attributed to NCDs will rise globally by 17% by 2030.

There are four primary risk factors that fuel the rising incidence of NCDs: tobacco use, alcohol abuse, poor nutrition and physical inactivity. Disease prevention and control focused on minimising public exposure to such risk is vital to reversing the rise of NCDs. If this is not done, NCDs will continue to be a major obstacle to socio-economic development and a barrier to the achievement of the Millennium Development Goals and the Post-2015 UN development agenda.

Oral disease, the most common NCD and one of the most expensive to treat, is a global public health concern. The political declaration notes that oral diseases “share common risk factors and can benefit from common responses”. Therefore, interventions and strategies to improve nutrition should have a positive impact on all NCDs, including the prevention and control of oral disease. The UN knows how to deal with NCDs; it is a matter of taking action by operationalising existing plans such as the WHO Global Strategy on Diet, Physical Activity and Health, and utilising processes and structures such as the WHO Innovative Care for Chronic Conditions Framework.

The WHO will be the lead agency implementing prevention and control measures for NCDs; however, progress will require a multifaceted approach from multiple sectors. In terms of nutrition, concerted action with other UN agencies and subsidiaries such as the Food and Agriculture Organization of the United Nations and the Codex Alimentarius Commission, and partnerships with external agencies, including global NGOs such as the FDI World Dental Federation and the International Diabetes Federation (IDF), is needed. Diet is comprised of processed foods with high fat, salt, and sugar content are common lifestyle choices in today’s society. Improving nutrition will require governments to mandate legislation and regulation reflective of the health in all policies; a philosophical shift in local administration of aspirin reduced levels of IFN-γ and TNF-α at the implantation site and significantly improved BMSC-based calvarial defect repair. These results collectively uncover a previously unrecognised role of recipient T cells in BMSC-based tissue engineering and suggest a practical approach to enhancing bone regeneration by pharmacological control of local cytokines. MSC-based immunotherapy has demonstrated successful outcomes in several human diseases and preclinical disease models, including acute graft-versus-host disease, systemic lupus erythematosus and SLE. The promising results of such therapeutic effects have led to exploration of the underlying mechanisms. It has been shown that MSCs, including oral tissue-derived MSCs, target lymphocytes through several soluble factors, such as tumour necrosis factor (TNF)-α, interleukin-1 (IL)-1, IL-6, IL-10, and TNF-α.

Dr Martin Gillis is an associate professor at the Dalhousie University’s Faculty of Dentistry in Halifax, Canada, and a member of IDF’s Consultative Section on Diabetes Education. He also serves as the oral health representative for IDF. Today, he will be presenting a paper entitled “Poor nutrition: A risk factor driving the NCD epidemic” as part of the scientific programme at this year’s congress in room 5211 of the HKCEC.

Mesenchymal stem cells: From clinics to bench top and back

By Dr Songtao Shi, USA

In 2005, Dr Martin Gillis presented a paper “The role of immune response in cell-based tissue regeneration remains unclear.” Today, he has come back with a revised paper “...the role of immune response in cell-based tissue regeneration remains unclear.”

Dr Songtao Shi

Dr Songtao Shi

Identified BMSCs can be used successfully to treat periodontitis with regeneration of cementum and Sharpey’s fibres in swine and humans. More interestingly, we used oral BMSCs to regenerate root periapical connective tissue that are capable of supporting artificial porcelain crowns, resulting in restoration of normal tooth function in swine. We were also able to generate jaw osteogenesis in mice and employed BMSC-implantation to treat the necrosis, suggesting a novel therapeutic approach to treating jaw necrosis using new BMSC-generated bone and bone marrow.

Conversely, reduction of IFN-γ and TNF-α levels at the implantation sites by systemic infusion of Fas-α regulatory T cells markedly improved BMSC-based bone regeneration and calvarial defect repair in C57BL6 mice. For potential pharmacological intervention, we demonstrated that the apopotic role of Fas in BMSCs was shown to be abolished by pharmacological control of local cytokines. BMSC-generated antiaortic fibrosis was shown to be associated with apoptosis in BMSCs through inhibition of nuclear factor kappa B (NF-κB) by regulating BMSC apoptosis. MSC-based immunotherapy has demonstrated successful outcomes in treating cancer patients. Partnerships are crucial to the success of future endeavours against NCDs. Many NGOs and civil society organizations have already come together under the NCD Alliance and the World Health Professions Alliance to share expertise and coordinate efforts to facilitate change. The FDI and IDF recognize the importance of partnership as evidenced by the release of “A call to action for integrated case management of the diabetic patient” during the 2007 Annual World Dental Congress in Dubai. This led IDF to create oral health resources for diabetes care providers and raised awareness about the importance of oral health in diabetes management.

Today we have the task of implementing the Political Declaration on NCDs by addressing diabetes as a risk factor. Mitigating this risk factor will help with the prevention and control of real disease and type 2 diabetes. Now is the time for both federations to renew efforts for collaborative action on this global concern.

Dr Martin Gillis is an assistant professor at the Dalhousie University’s Faculty of Dentistry in Halifax, Canada, and a member of IDF’s Consultative Section on Diabetes Education. He also serves as the oral health representative for IDF. Today, he will be presenting a paper entitled “Poor nutrition: A risk factor driving the NCD epidemic” as part of the scientific programme at this year’s congress in room 5211 of the HKCEC.
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Opinion

Wednesday, 29 August 2012

The ability to examine the craniofacial anatomy with help of three-dimensional images obtained through Cone Beam Computed Tomography (CBCT) has been praised as the new gold standard in oral surgery. Worldental Daily had the opportunity to speak with Prof. Stefan Haßfeld from the University of Dortmund’s Department of Oral and Cranio-Maxillofacial Surgery in Germany, who will be presenting an afternoon session on CBCT in Hall F this Wednesday about the technology and its future potential.

Worldental Daily: Prof. Haßfeld, in your opinion, has CBCT become a standard in dentistry?

Prof. Stefan Haßfeld: CBCT has been available in dentistry for over a decade and since then has been established as a standard for many indications. Despite this development, I doubt that the technology will make traditional imaging obsolete any time soon. Instead, it will be used as an aid in more complex treatments.

One of the areas in which CBCT is used is implant treatment planning. What are the other main areas of application?

Nowadays, the technology is widely used in complex oral and maxillofacial surgery procedures. For example, we regularly examine large cysts and deeply impacted third molars with CBCT. Its use can also be of benefit for the diagnosis of maxillary sinus diseases, as well as in traumatology or the correction of anomalies and dysgnathias.

What potential does the technology offer regarding the improvement of treatment outcomes?

In contrast to traditional imaging, CBCT allows the human anatomy and pathology to be assessed in detail in 3D space. This can be extremely helpful for treatment planning and the assessment of regions that present a surgical risk, like adjacent nerves, teeth or blood vessels.

In many cases, we expect a significant reduction in operative risks and an improvement in surgical planning.

According to the industry, the radiation dose for patients is significantly lower with CBCT. Do you agree with this statement?

I would have to disagree, since compared with traditional imaging, CBCT usually has a higher radiation dose. However, it also yields completely different information. By taking a high number of single images from different angles, CBCT can provide lower radiation doses only in a few exceptional cases.

Is this the only drawback compared with traditional imaging techniques?

As CBCT has another field of indications, comparison with traditional imaging techniques is not appropriate. However, there are indeed some shortcomings, like higher radiation doses and costs, as well as a lower resolution compared with dental film.

What role will CBCT play in dental practices in the future?

CBCT will take root in dental practices, particularly in those with emphasis on surgery, when it comes to certain complex treatment issues.

For all the mentioned reasons, traditional imaging methods will not disappear. A panoramic X-ray image, for example, provides an excellent overview of the entire jaw arch for clinically oriented examinations, with only little effort and at a small radiation dose.

Dental film still offers the highest resolution for viewing details. Rather, the establishment of CBCT for dental imaging offers us additional options for daily practice.

Thank you very much for this interview.
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COMPOSAN LCM

PROMEDICA, GERMANY
www.promedica.de
Booth K25

New compressor generation by Dürr

At the FDI Annual World Dental Congress, the German dental company Dürr is presenting the new generation of its successful compressor series to dental professionals in Asia. First introduced at IDS Cologne in 2011, both the Tornado 1 and 2 are said to be robust, ultrasonic and economical while offering the same advantages as the first generation including a compact design and compressed air of the highest quality.

According to Dürr, the new model uses 15 per cent less energy than its predecessor. It’s improved design, recently awarded a winner of the red dot design award 2011, and lower noise level makes it more adaptable to dental offices. The devices can be used for up to three operatories. An antibacterial coating based on nanotechnology on the inside of the tank is supposed to ensure the highest level of hygiene. Both versions also benefit from an optional membrane-drying unit that provides constant dry air and practically zero regeneration time which make the compressors especially suited for heavy-duty conditions. Since the compression performance is more effectively exploited through the membrane-drying unit, the equipment can be operated 24 hours a day, the company said.

The output voltage of the Tornado compressors can be adapted to different power supplies.

DÜRR DENTAL, GERMANY
www.duerrdental.de/en
Booth H20/J19

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AIR-N-GO Polishers and powders

With AIR-N-GO, the French Acteon Group aims to increase the possibilities of dental clinicians for care and treatment with one single handpiece. The dual purpose air polisher with direct connection to the chair was designed for ultra-active supra-gingival polishing as well as sub-gingival periodontal diseases and peri-implantitis treatment. According to the manufacturer, it instantly converts into a perio system through an optional AIR-N-GO PERIO Kit comprising an ultra-fine PERIO nozzle, green PERIO powder tank and glycine-based PERIO powder.

Available as seven different powders, the AIR-N-GO powder product range is said to provide gentle care, effective prophylaxis and subgingival treatments. The unique grain structure of each powder allows for efficient as well as painless polishing and cleaning with no damage to teeth or implants, the company said.

The AIR-N-GO ‘CLASSIC’, active and sodium bicarbonate based powder, with less aggressive geometry, comes in five 100 per cent natural flavours. Based on natural calcium carbonate, the AIR-N-GO ‘PEARL’ ultra-active powder consists of microspheres that are gentle to sensitive tissues. The two ranges are recommended for supra-gingival prophylaxis.

ACTEON GROUP, FRANCE
www.acteongroup.com
www.airngoconcept.com
Booth L16/M17

Proface

W&H’s new Proface light probe is supposed to enable direct visual detection of caries in opened cavities and minimise the risk of caries recurrence.

According to the Austrian company, it enables selective treatment during caries excavation based on Fluorescence Aided Caries Excavation (FACE).

This method works in the way that violet light is applied to the opened cavity where porphyrins, metabolic by-products left by the bacteria in infected dentine and not visible to the human eye, fluoresce red while healthy tooth substance fluoresces green.

Diagnostic goggles with special filters also enhance this effect, the company said.

With Proface, dentists will also have more information in regard to treatment decisions in Caries Profunda.

Access to the treatment site is optimised by the probe’s new slender design which was developed to guarantee flexible and painless application. W&H said that with Proface success of caries excavation can be assessed at a glance and at any stage of the process.

By assisting dentists with selective, minimally invasive excavating, it substantially contributes to maintaining the patient’s healthy tooth substance, they added.

W&H, AUSTRIA
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COMMITTED TO SIMPLY DOING MORE FOR DENTAL PROFESSIONALS
Whip Mix has announced the market launch of its Denar Mark 300 articulators for use in orthodontic therapy. The new series consists of three models (Mark 310, Mark 320, and Mark 330) and is supposed to bring a new standard of interchangeability with factory set accuracy within 20 microns. According to Whip Mix, the Mark 300 articulators have a sleek design and contemporary look that is aesthetically pleasing and durable at the same time. While all models of the series feature fixed settings, the Mark 330 is semi-adjustable with fixed progressive.

Besides new articulators, Whip Mix has also its Esthetic Crossfit centered bite record as well as its UltiRock Premium Die Stone on display. Based in Louisville, KY. In the USA and Dortmund in Germany, the company has been manufacturing and distributing products for dental practices and laboratories since 1919.

The Straumann Dental Implant System includes the new generation Bone Level Implant which is now available all over Asia, including China, Taiwan and Japan. According to the company, these new implants, developed in close collaboration with internationally renowned experts and confirmed through clinical studies, combine new and innovative concepts with well-documented design elements to provide dental professionals with aesthetic flexibility.

Bone Level Implants feature Straumann’s novel Bone Control Design, a concept which follows the five fundamental biological principles to optimise bone preservation and stabilising soft tissue. While the SLActive implant surface offers unparalleled implant surface osteoconductivity, the conical implant-abutment connection provides a strong and tight joint in all cases of loading. In addition, the biomechanical design of the implant and thread optimises the transmission of the chewing forces to the bone, provide high primary stability and make the basis for crestal bone preservation, Straumann said.

The biological distance is respected by the horizontal distance between the microgap and the bone. Moreover, the transition of the rough to the smooth surface is optimally positioned at the level of the crestal bone to provide the maximum surface for osseointegration and soft tissue growth. The Straumann Bone Level Implant is available in three endosteal diameters and four lengths and comes with a comprehensive prosthetic portfolio. According to the company, they can be placed with the same surgical kit and procedure as the other implants in the company’s current range, thus providing even greater flexibility, broader treatment options and higher reliability.

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Booth M02/N05
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NOVOCOL, CANADA
www.novocol.com
Booth E02/04

On display in Hong Kong is the company’s ProfiLax3 polishers and brushes system, available in three hardnesses. While the soft pink coloured brushes are supposed to simplify prophylaxis for sensitive patients and clean compromised teeth and gingiva gently, the stiffer yellow brushes are ideal for fast and accurate removal of temporary cements before finally fixing the crowns and bridges.

The fibres of NTI’s composite polishing brushes are impregnated with silicon carbide polishing particles for creating a perfect lustre finish on occlusal surfaces. FlexiPol are highly flexible polishing discs developed for the purpose of producing a natural lustre on all nanohybrid and standard composites. Its 1 mm thick core is made of silicone in order to prevent the mandrel coming into contact with the polished surface. This avoids damage or discolouration of teeth, composite or gingiva. According to the company, the discs are available in four grit sizes.

NTI-KAHLA, GERMANY
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Booth H16/18

NTI polishing brushes

FlexiPol

NTI FlexiPol

NTI product news

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Inject Beauty & Strength as you directly stack and shape Beautifil Injectable into life-like aesthetic restorations that exhibit superior endurance to occlusal load, sustained fluoride protection and unique anti-plaque effect.

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Premier Dental’s newest non-eugenol resin cement was designed for implant-retained crowns. According to the US company, it is also suitable for temporary cementation of provisional restorations where long-term or increased retention is desired.

Made from a tough elastomeric resin, the material is said to provide secure retention and an excellent marginal seal. Because the retention is mechanical, the crown can be removed for adjustments or periodontal treatment without destroying the restoration, Premier said.

Premier has announced to have a number of other innovative products on display in Hong Kong. In addition to dental materials, the company offers practice hygiene products, instruments for different dental procedures, as well as cosmetic solutions like teeth whitening kits.

NOMAD Handheld X-ray

When US manufacturer Aribex introduced the first handheld dental X-ray system in 2005, the aim was to create an inherently safe X-ray device that could be held during radiograph exposure. Two models exist that are available to clinicians around the world (varies by jurisdiction).

NOMAD Dental weighs 4 kg and features a pistol-grip design, with rechargeable NiCd battery. It generates sharp, clear images with digital sensors, conventional film, or phosphor plate systems.

The next generation NOMAD Pro, available since 2008, weighs only 2.5 kg and has a rechargeable Li-poly battery in the handle. It also features a full-colour LCD user interface, preset exposure settings, and additional time-saving features in a sleek design. Each model is capable of taking hundreds of diagnostic-quality radiographs with a single charge.

According to Aribex, the NOMAD allows the operator to remain chairside with the patient during radiography. With the handheld X-ray system, not only can the operator stay in the room, they can also reassure anxious patients (including children). This makes the device a first choice for the treatment of special needs or sedated patients. It also shortens procedure time and reduces mistakes and retakes, the company said.

More than 30 independent evaluations and scientific studies have concluded the Aribex systems are both effective and safe—made possible by patented shielding on the X-ray source and the leaded acrylic backscatter shield on the collimator cone, which protects the operator from reflected radiation.

“The NOMAD has forever changed the way that dental radiography is performed,” said Dr. Clark Turner, Aribex founder and CEO. “With over 10,000 units now currently in use, it has become a staple in dental operations everywhere.”

ARIBEX, USA
www.aribex.com

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Wednesday, 29 August 2012

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SHOFU’s new Beautifil Injectable wants you to inject beauty and strength into your restoration. This universal direct aesthetic restorative has a novel resin micro-structure that was developed to impart superior mechanical properties for improved performance even in load bearing areas. According to the company, the paste offers ideal viscosity and a non-tacky, non-droopy consistency, so that restorations can be easily shaped as clinicians extrude the material from the syringe.

By optimising the filler-matrix complex, Beautifil Injectable controls light diffusion within in order to mimic the optical characteristics of natural teeth, the company said. With inherent natural aesthetics, fluorescence and opalescence, they said this restorative is intended to carve a niche in direct cosmetic dentistry by creating indiscernible restorations. As a member of the successful Giomer product family, Beautifil Injectable also contains S-PRG fillers to provide continuous fluoride protection and unique anti-plaque effect.

The material is available in 2.2 gram syringes with disposable needle tips for cross infection control. The syringe delivery allows the paste to be injected conveniently by the clinician into the restoration site for reduced instrumentation and a shorter working time.

**World-leading instruments**

For more than four decades, Abrasive Technology has been recognised as one of the world’s leading manufacturers of super-abrasive grinding wheels and tools but perhaps nothing defines the company’s commitment to precision more than its dental products—most notably its Two Striper diamond dental instruments. In fact, the company says to have taken extra steps to ensure that these products are not only safer, but better balanced and easier to use.

AT’s founders developed a unique diamond bonding process called P.B.S. that makes it possible to manufacture grinding tools that are superior to other products on the market, the company said. The process is said to increase productivity and part consistency simply because it will last longer, cut faster, run cooler and load less.

According to the company, the process is one of the most effective and innovative bonding processes in the industry. It’s a science that the company said to have helped to transform itself—and a craft that it’s working every day to perfect.

Through continuous innovation, product development and enhancement, Abrasive Technology aims to meet the most demanding specifications and solve the most challenging applications. From disks and trimming wheels to instruments and files, its dental products epitomise high quality, attention to detail and superior craftsmanship and makes them a number one choice in the industry.

For more information about the company’s line of products, FDI visitors are invited to a Dental Tribune Study Club Symposium session at booth B12 inside the exhibition hall.

**SHOFU INC., SINGAPORE**

www.shofu.com.sg

Booth B12/C13

**ABRASIVE TECHNOLOGY, USA**

www.abrasive-tech.com

Booth K31

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**For more than four decades, Abrasive Technology has been recognised as one of the world’s leading manufacturers of super-abrasive grinding wheels and tools but perhaps nothing defines the company’s commitment to precision more than its dental products—most notably its Two Striper diamond dental instruments. In fact, the company says to have taken extra steps to ensure that these products are not only safer, but better balanced and easier to use.**

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There is probably no other date in Hong Kong’s recent history as significant as 1 July. On a stormy Tuesday night back in 1997, millions of people took to the streets in unprecedented celebrations when the People’s Republic of China finally took over control of the territory after 156 years of British rule.

While the handover was considered a fresh start by many Hong Kongers, it definitely marked Britain’s final act as a colonial superpower. In the joint declaration signed with China already in 1984, however, both parties had agreed to leave the colony’s existing economic system untouched for another 50 years. Owing to this component of the Sino–British declaration, Hong Kong was able to become the economic powerhouse we know today.

With a populace of slightly over seven million people, the former colony now produces a gross domestic product higher than those of states like Denmark and Portugal. It is also considered one of the most important international financial centres. According to global management consulting firm McKinsey, its stock exchange, already among the world’s top ten when it comes to capitalisation, attracted the most capital in the world for the second consecutive year in 2011. While the government recently had to cut growth forecasts owing to the global economic slowdown, consumption in the city remained stable owing to a sound job sector and increases in income.

Similar to its economic success, the city has transformed itself into a first class travel destination, making tourism a major source of income. Boosted by attractions like Hong Kong Disneyland, which was opened in 2005, and major events like the recently held International Dragon Boat Championships, it sees 42 million visitor arrivals per year, a number currently only exceeded throughout the Asia Pacific region by Malaysia and mainland China.

“These results certainly underline Hong Kong’s status as a preferred international travel destination and as Asia’s world city,” said James Tien, Chairman of the Hong Kong Tourism Board, in August. “We have already planned the launch of a series of mega events in the coming months to...
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further enhance Hong Kong’s appeal and provide our tourist partners with different business platforms.”

According to Tien, highlights this year will include the Hong Kong Mid-Autumn Festival, which will take place in September/October and will see a giant lantern erected at Victoria Park on Hong Kong Island, among other things.

Owing to increasing competition from Hong Kong’s greater brother in the North and countries like Taiwan, the board which operates under the HK government, already began strategising Hong Kong’s development as a tourist destination in the late 1990s. As a first step, travel restrictions within China were eased through the Individual Visit Scheme almost a decade ago. Since then, travel between mainland China and Hong Kong has skyrocketed to over 15 million visitors per year.

Funding for the Mega Events Fund has also recently been extended until 2014. The financial assistance scheme, worth hundreds of millions of HK dollars, was established in 2009 in order to give non-profit organisations the means to host their meetings and events in Hong Kong.

As well as its large share of Chinese visitors, the city attracts millions of visitors from around the globe, of which many have decided to stay. Therefore, the city’s cultural and culinary scenes are as diverse as in any other major city in the world. With two 3-star and seven 2-star restaurants, Hong Kong now offers greater culinary excellence than London or San Francisco. Just last month, two Michelin-starred French-Italian chef Philippe Léveillé announced the opening of a new Italian restaurant called l’Altro in the Central District.

Hong Kong is also the third largest art market after the US and China, drawing thousands of visitors to its International Art Fair held every year in May.

Despite its receptiveness to foreign influences, however, the city has never forgotten its Chinese roots, which will become important in 2047, when Hong Kong’s guaranteed autonomy expires. Although relations with the motherland are close, observers are questioning whether the city, which is largely dependent on trade, can maintain its economic vitality over the next 30 years alongside a prospering China.

Until then, at least Hong Kong is likely to remain Asia’s premier global destination.

The Hong Kong Tourism Board provides more information on city tours, sights and events. Its main visitor centres are located at the airport (arrivals level, Terminal 1) and at the Peak Piazza (between The Peak Tower and The Peak Galleries).

RESOURCES

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<th>Website</th>
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<td><a href="http://www.discoverhongkong.com">www.discoverhongkong.com</a></td>
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<td><a href="http://www.timeout.com.hk">www.timeout.com.hk</a></td>
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<td><a href="http://www.lonelyplanet.com/china/hong-kong/">www.lonelyplanet.com/china/hong-kong/</a></td>
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<tr>
<td><a href="http://www.fodors.com/world/asia/china/hong-kong/">www.fodors.com/world/asia/china/hong-kong/</a></td>
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<tr>
<td><a href="http://www.diarygrowingboy.com">www.diarygrowingboy.com</a> (HK food blog)</td>
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FDI SOCIAL PROGRAMME

WELCOME CEREMONY
The welcome ceremony is a not-to-miss event at every FDI Annual World Dental Congress. Not only does it mark the official start of the congress, but it also gives the host city the opportunity to present itself in the best possible way. The organisers of this year’s event have arranged a unique performance that will reflect Hong Kong’s diverse traditions, as well as its rich culture and history.

The ceremony will be held today from 18:30 to 20:00 in the Grand Hall on Level 3 of the HKCEC. Admission starts at 17:45 and is free for registered congress participants.

EXHIBITION
LES LUMIÈRES IMAGINAIRES
COLLECTIVE LIGHTING INSTALLATIONS
Venue: Agnès B.’s LIBRAIRIE GALERIE, daily from 11:30 to 20:00
www.frenchmay.com
As part of Le French May, an annual art festival organised by the Consulate General of France in collaboration with the Alliance Française and supported by the Leisure and Cultural Services Department of Hong Kong, this exhibition by stage designer and media artist Chi-Yung Wong transports visitors to a place separated from the real world. His latest work is a unique mix of light and music written by contemporary French and HK artists. Visitors can immerse themselves in this visual wonderland until Saturday, 1 September. Admission to the installation is free.

FILM
HIDDEN AGENDA THE MOVIE
Venue: Hidden Agenda Live House, 20:00
hiddenagenda.hk
The Hidden Agenda Live House is former band-practice room in the Kwun Tong district that in 2009 was transformed by a couple of post-80s music lovers into a place for live indie music. Today, it is a hot spot for local and foreign bands alike. This documentary film, part of the 2012 Venice Architecture Biennale Hong Kong Exhibition, tells the short but eventful story of this venue, which was twice evacuated by the Hong Kong government. After the screening, there will be special performances.

MUSIC AND THEATRE
“The Deity Na Cha”
CANTONESE OPERA PERFORMANCE
Venue: Yu Mo Tai Theatre, 19:30
www ldc.gov.hk
The historical building in which the theatre is housed is the only remaining pre-World War II theatre in Kowloon and in the past it screened erotic films during financially difficult times. Having undergone significant renovations since 1998, the building at the junction of Waterloo Road and Reclamation Street now hosts a modern 300-seat auditorium designed solely for Cantonese opera. Tonight’s performance is based on an ancient Chinese legend about a man who tangles with the gods and sacrifices himself for the common man, and is then resurrected as an immortal being.
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<td>Abrasive Technology: 'Precision Tools - Where You Need Them Most'</td>
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<td>SABINE NAHME</td>
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<td>11.00 A.M.</td>
<td>Overview and Comparison of Clinical and Diagnostic Aspects in Volume Tomography</td>
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<td>DR. DAN MCOWEN</td>
<td>ICBi Director of Education</td>
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<td>12.00 P.M.</td>
<td>Changing the Face of Dentistry</td>
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<td>MYLES HOLT</td>
<td>Director of the Australian Academy of Dento-Facial Aesthetics (AADFA)</td>
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<td>12.00 P.M.</td>
<td>GCC: “How to Prevent Caries in the Dental Practice”</td>
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<td>PROF. ELMAR REICH</td>
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<td>13.00 P.M.</td>
<td>Global Oral Health Project</td>
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<td>DR. PETER COONEY</td>
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<tr>
<td>13.00 P.M.</td>
<td>Abrasive Technology: 'Precision Tools - Where You Need Them Most'</td>
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<td>SABINE NAHME</td>
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<td>14.00 P.M.</td>
<td>CBCT in and Traditional X-Ray Out?</td>
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<td>DR. DAN MCOWEN</td>
<td>ICBi Director of Education</td>
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<td>15.00 P.M.</td>
<td>Success Factors in Dental Offices: Efficient Treatment Protocols</td>
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<td>PASCAL STEICHEN</td>
<td>Practice Management Expert</td>
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<td>15.00 P.M.</td>
<td>GCC: The FDI Caries Matrix</td>
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<td>DR. ANNIEMARIE A. SCHULLER</td>
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Useful information

ORGANISERS

FDI WORLD DENTAL FEDERATION
(BOTH K16/105)
313 Porte de Genève
1216 Genève-Commune
SWITZERLAND

HONG KONG DENTAL ASSOCIATION
8/F., Duke of Windsor
Social Service Building
15 Hennessy Rd., Wanchai
HONG KONG

CONGRESS VENUE

HONG KONG CONVENTION AND EXHIBITION CENTRE
1 Expo Drive, Wanchai
Hong Kong

EXHIBITION HOURS

- Wednesday, 29 August: 10:00 – 18:00
- Thursday, 30 August: 10:00 – 18:00
- Friday, 31 August: 10:00 – 18:00
- Saturday, 1 September: 10:00 – 16:00

VISITORS ACCESS is absolutely free.

CONGRESS REGISTRATION

Onsite registration is possible from
Tuesday, 28 August, to Saturday, 1
September, 7:00 – 18:00. Fees range
from CHF330 (US$337) and CHF600
(US$613).

FDI PAVILION

At booth K16/125 in the exhibition
hall, visitors will be able to find more
information about the FDI, its 112-
year history, as well as its diverse pro-
grammes and activities.

OFFICIAL LANGUAGES

OF THE CONGRESS

- English
- Mandarin (specific sessions only)

CERP

Delegates who have registered for
the congress are eligible to receive
continuing education points (20 points
maximum) by attending scientific
sessions during the meeting.

PRESS AND MEDIA

Free copies of the Worldental Daily
congress newspaper will be available
onsite and provide visitors with the
latest news, as well as information
about the congress, new products
and what to do in Hong Kong.

EMBASSIES AND CONSULATES

Foreign representation offices can
provide help in emergencies situation
like lost passports. They can also assist
with travel arrangements or give legal
advice.

- Australian Consulate-General
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  Phone: +852.2827.8881
- British Consulate-General
  1 Supreme Court Road,
  Phone: +852.2905.3000
- Consulate General of Canada/
  Consulat Général du Canada
  12th to 14th Floor,
  One Exchange Square Central,
  Phone: +852.3199.4700
- Deutsches Generalkonsulat
  21/F, United Centre, 95 Queensway,
  Admiralty, Phone: +852.2105.8788

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