IDEM 2010 gives dentistry a warm welcome

Latest dental products and treatment concepts on display/Consumer forum to be held on Sunday

Scientific programme

Saturday, 17 April

09:00–11:00
A New Era in Implant Dentistry—With Innovative Material and Surface Technology
Prof. Dr. Dr. Rüdiger J. Narros, Germany
Theatre, Level 3

9:30–12:00
Functional Aspects of Implant Supported Prosthesis
Dr. Uwe Wagner, Germany
Hall 404, Level 4

13:30–16:00
Tissue Stability and Predictability—Replacing Multiple and Single Teeth in the Aesthetic Zone
PD Dr. Anton Fraidl, Germany
Theatre, Level 3

14:30–17:00
Implant Treatment Planning and Considerations for the Complete Edentulous Mouth
Dr. Sid, Bang-Bang, Korea
Hall 404, Level 4

17:00–20:00
Hands-on Workshop: The Quest for Optimal Restorative Aesthetics
Dr. Ricardo Mitrani, Mexico
Room 302, Level 3

17:30–20:00
Efficient and Low Risk Sinus Bone Graft Techniques
Dr. Cha Yong-seok, Korea
Hall 404, Level 4
Small diameter implants—clinical results with an advanced material

By Prof. Bilal Al-Nawas

Oral rehabilitation with reduced morbidity for the patient is an imperative for future research. The topic of providing meaningful and meaningful treatments is of particular interest. There is no doubt that bone grafting procedures in aesthetically critical areas are often required to stabilize the soft tissues and allow for an adequate restoration. On the other hand, the value of augmentation procedures has been questioned when it comes to immunocompromised patients or aesthetically critical situations.

Only a few researchers have compared the complication rate of the whole augmentation process with the outcome of short or diameter reduced implants. While for short implants marginalbone stability in the long term period is important, the problem of diameter reduction lies in the higher possibility for implant fractures (technical complications). The use of grade IV commercially pure Titanium (cpTi) seems to limit the broad use of implants with <3.5 mm of diameter. Most implant manufacturers have well described indications for smaller implants (e.g. lateral incisors which allow manufacturing of more fracture resistant implants, but the classical Ti-Al-V alloys are lacking acceptable biocompatibility. In order to avoid a larger use of narrow diameter implants, a new material—Roxolid—has been developed.

This implant material, which is a fully dense NiTi alloy, seems to greatly improve implant survival.

Dr Fotinos S. Panagakos is the director of Palmolive Co. His responsibilities within the Research and Development division of Colgate-Palmolive Co. His responsibilities include oversight of clinical studies, scientific communication strategy, and liaison with dental professional organisations today international spoke with him about dentine hypersensitivity and its effect on patients and dentists who treat them.

today international: Can you please explain what causes dentine hypersensitivity and, specifically, what is going on with a patient biologically?

Dr Fotinos S. Panagakos: Dentine is normally covered by enamel or cementum. Due to any number of factors, including abrasion, periodontal disease causing gingival recession or erosion, the enamel and the underlying dentine and dentine tubules can become exposed. An external stimulus, such as a change in external temperature, air movement or a physical stimulus can cause discomfort for the patient. The external stimulus is usually transient and the discomfort subsides shortly after the stimulus is removed.

The accepted theory of how dentine hypersensitivity pain is transmitted suggests that pressure or ionic changes in the fluid that exists in the dentine tubules stimulate the pain experienced by the patient. This pain is often referred to as the ‘hydrodynamic theory’. The stimulus of injury to the dentine tubules, a change in osmotic pressure causes fluid movement, which is transmitted as a stimulus to the odontoblastic process and fires the afferent nerve ending in the dentine tubule.

How does this condition affect patients and the dentists who treat them?

The main effect on individuals is the impact on quality of life. Patients avoid to certain foods and beverages that may trigger a painful response, reducing the type of foods and drinks they can enjoy. In the dental office, what is normally a routine visit may end up being a very uncomfortable appointment for a patient with dentine hypersensitivity. Simple procedures, such as scaling and a prophylaxis, may be painful. And, at times, the pain associated with dentine hypersensitivity may cause a patient to skip dental appointments altogether.

The diagnosis of dentine hypersensitivity often poses a challenge for dental professionals because the cause and description of the pain reported by the patient can vary and is often not adequate to make a definitive diagnosis. Dental professionals often need to perform a thorough exam as well as additional tests to determine why the pain is occurring. The exam and tests can help develop a definitive plan that allows us to rule out other possible causes of the pain (periodontal disease, caries, etc) and then implement an appropriate treatment plan for addressing the problem.

Once the diagnosis is made, treating the problem can also be a challenge. Many products today do not work instantly or last for very long. Applications may take time, sometimes up to weeks, for an effect to be felt by the patient.

What are some of the ways that dentists can diagnose and treat dentine hypersensitivity today?

The treatment and prevention of dentine hypersensitivity, for many years, has focused on eliminating the ability of the causative agent to stimulate discomfort. This has resulted in the development of two major classes of products—agents that occlude dentinal tubules and desensitising agents that interfere with transmission of nerve impulses.

Occluding agents act by physically covering or ‘plugging’ the open, exposed dentinal tubules, thereby preventing the effect of thermal changes or physical stimuli caused by the movement of dentinal fluid due to osmotic pressure changes. These agents can be applied professionally in the dental office or by the patient through over-the-counter products. A few years ago, the problem of reducing the diameter implants was considered to be an acceptable solution. However, the use of home care products—agents that occlude dentinal tubules and desensitising agents that interfere with transmission of nerve impulses—has been shown to be more effective.

Dr Fotinos S. Panagakos: The topic of ‘avoiding augmentations’ is of particular interest. The value of augmentation procedures has been questioned when it comes to immunocompromised patients or aesthetically critical areas. Therefore, new materials have been developed which allow for an adequate treatment plan.

The most commonly used agent is potassium nitrate. It is considered to be safe and effective in reducing the pain caused by the movement of fluid inside the dentinal tubules. However, there is no doubt that bone grafting procedures in aesthetically critical areas are often required to stabilize the soft tissues and allow for an adequate restoration. On the other hand, the value of augmentation procedures has been questioned when it comes to immunocompromised patients or aesthetically critical situations.

What other treatment concepts are available if patients do not positively respond to either of these agents?

In this case, dental professionals may turn to covering the exposed dentinal tubules with indirect or direct restorations. Finally, periodontal surgery, involving the grafting of gingival tissue to cover the exposed dentine may be performed.

Thank you very much for the interview.
Dental agreement commits to US export efforts in Singapore

Ortho Technology, Lien Nah sign distribution contract at IDEM

The Singapore subsidiary of Ortho Technology has entered into a new distribution agreement with Lien Nah, a Vietnamese dealer based in Ho Chi Minh City. The contract, which was signed during a US exhibitor meeting yesterday morning, comes to three years and will cover the company’s entire range of orthodontic products, Managing Director Alvin Chia stated.

Ortho Technology offers a complete line of orthodontic supplies, including brackets, bands, buccal tubes, archwires, adhesives, lab supplies and patient accessories.

Charged d’affaires of the US Embassy in Singapore, Daniel L. Shields III, said that the contract is another successful example of the embassy’s efforts to convince US manufacturers to invest in the region. He said that despite its relatively high-cost operating environment, Singapore has become the 11th largest export market for US companies, leaving even countries like India behind.

Trade between the United States and Singapore has skyrocketed after the two countries signed a bilateral free trade agreement in 2003.

The United States currently leads in foreign investment, accounting for 63 per cent of new commitments to the manufacturing sector including dentistry in Singapore, according to figures of the US commercial service. As of 2008, the stock of investment by US companies in the manufacturing and services sectors in Singapore reached about US$106.5 billion.

The president of the Singapore Dental Association, Dr Lewis Lee, acknowledged the ongoing commitment of the US dental industry to Singapore. He claimed that the city state has become a centre for high-tech dentistry in the Asia Pacific region. Sing dentists are also continually updating their knowledge and make use of the latest dental equipment in order to achieve optimal treatment results, he added.

With over 20 companies representing all sectors in dentistry, the US dental industry hosts one of the largest joint participation booths at IDEM 2010. It is located in hall 401.

US companies who are interested in further information on the Singapore and regional markets can also visit the US commercial service at booth P17.

Successful start of Dental Tribune Study Club Symposia

Hypersensitivity and indirect aesthetic restorations on today’s schedule

The first Dental Tribune Study Club Symposia clearly claimed its share of the buzzing crowd that swarmed the exhibition floor yesterday morning. Hundreds of IDEM visitors took the opportunity to earn ADA CERP continuing education credits while learning more about the latest treatment concepts in dentistry.

It is the first time that such a forum is being held at a Singapore meeting.

Today’s highlights include a session about managing dentine hypersensitivity (please also see our interview with Dr Panagakos on page 2) and exploring new frontiers in indirect aesthetic restorations by Dr Shriju Joshi. Among other things, this presentation will prepare the novel application possibilities of a versatile aesthetic indirect composite system with a focus on its application in minimally invasive cosmetic dentistry.

Cosmetic dentistry has seen continuous growth in recent years, fuelled by an increased media hype and the desire to attain the perfect smile. Due to the recent change in treatment philosophy, a minimally invasive approach is currently being adopted in cosmetic dentistry, with an aim to preserve as much natural tooth structure as possible, while achieving the desired aesthetic result in the best interest of the patient.

According to Dr Joshi, advances in dental material technology and the development of new aesthetic restorative materials have truly brought dentistry to the 21st century. Incompatible aesthetic indirect restorative systems such as Ceramage, a zirconium silicate filled indirect composite from the Japanese manufacturer Shofu, have provided the clinician with a wide array of restorative options ranging from conventional crowns and bridges to minimally invasive onlays, inlays and veneers.

Visitors will find the Symposium in hall 402 at booth J30.

The discs are available in four grit sizes. Coordinated polishing stages from prepolishing to high-lustre polishing produce an excellent result.

The slimline design of the discs with diameters of 8 mm and 12 mm extends the range of applications.

The core of the Flexipol is made of 1 mm thick silicone, which prevents the mandrel coming into contact with the surface to be polished. This avoids damage or discoloration of the teeth, composite or gingiva.

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An interview with Dr Luo Chuan Hao, VOCO, Germany

“Global thinking and local business are our core strategies”

Dr Luo: We do business in Singapore and Hong Kong. The economical and political conditions that Singapore provides are excellent and can even be compared to countries like Germany. In addition, dentists here are very well trained and in demand of products with a higher quality and price level. All in all, global thinking and local business are our core strategies.

VOCO has been doing business in South East Asia since 1995. What is your current reach and are there plans to extend distribution to more countries in the region?

Currently, we sell our products in almost all countries in South East Asia, including Malaysia, the Philippines and South Korea. Our next goal is to increase our market share.

What products are currently in highest demand?

Our current product range comprises filling and temporary C&B materials with high quality and aesthetic properties.

More dentists in Singapore and South East Asia are becoming aware of the aesthetic aspects in dentistry, mainly driven by patient demand and new developments in the industry. Will these trends determine where the market is heading?

Yes, we also see this as an important trend. That is why we introduced the Amaris composite in 2007 and Amaris Gingiva last year in order to fulfill this demand. We are also increasing our sales for Grandio and Structur range.

You say that you introduced Amaris Gingiva, another innovative restorative, in Singapore last year. What response has the material received from the dentists?

The response has been very positive. Dentists in South East Asia like this product very much. Amaris Gingiva is currently the only highly aesthetic light-curing restorative in gingival shades that can be used chairside.

Can you tell us how the product improves the aesthetic outcome of dental restorations?

For example, if there are V-shaped defects or exposed cervical areas, you need one product to repair the defects in the correct colour; namely gingival colour. With Amaris Gingiva, cervical areas exposed after gingival recession or cervical V-shaped defects can be restored both aesthetically and functionally.

When it comes to new products and innovation, companies usually focus on big trade shows like IDS or the Midwinter Meeting in Chicago. What do you have in store for IDEM?

You are correct. Generally, we present new products here in Singapore after we launched them at other meetings. However, this time we also showcase our new product GrandTEC alongside with several established products like Grandio, Grandio Flow, Amaris, Amiris, Structur, Ionoseal, Futurabond and GIC. GrandTEC is a glass fibre strand impregnated with light curing methacrylate resin in an uncured condition. It was developed for application in traumatology, periodontology, orthodontics, conservative dentistry and prosthodontics. The glass strands can be equally applied to natural teeth, molars and impressions and adhere after light curing.

GrandTEC is supposed to ensure the stability of the teeth after orthodontic and periodontic treatment. It can also be used as a base for replacing missing teeth as well as locking and splinting avulsed or loosened teeth. It thus provides fragment anchorage after fractures as well as reinforcement to provisional and semi-permanent treatment of a tooth space using an extracted, natural tooth as well as temporary C&B materials with high quality and aesthetic properties.

Although the significance of IDEM has been questioned, more exhibitors have chosen to participate this year. What do you think of the meeting and how do you foresee its development in the years to come?

We use IDEM mainly as a platform to communicate with our regional sales staff and, of course, to introduce new innovative products to the market. In my opinion, Singapore is still one of the most important meetings for us though other shows in Malaysia or the Philippines are slowly catching up.

Its future role and development, however, will depend on the organizers. If their aim is to fulfill the expectations of the companies participating, more exhibitors have chosen to participate.

With approximately 1,000 dentists, Singapore is clearly a small but highly specialised market. What products are we presenting this year?

Our current product range comprises filling and temporary C&B materials with high quality and aesthetic properties.

Thank you for the interview.
2010 Greater New York Dental Meeting

FREE REGISTRATION*

Meeting Dates: November 26 - December 1

Exhibit Dates: November 28 - December 1

Please send me more information about...

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PIERRE ROLLAND UPDATES ITS EXPASYL SYSTEM

Expasyl is a innovative sys-
tem of access to the cervical
limits and a no-trauma and re-
vensible method for gingival
retraction that replaces con-
ventional yet often traumatic
techniques. Developed and
manufactured by Pierre Rolland,
it can open the marginal gingi-
val without damaging the epithelial
attachment, the company says.

At IDS 2009, Pierre Rolland introduced an
other updated version of
Expasyl that was developed
according to the needs of den-
tists and patients. Therefore.

berr flavour. Pre-bended can-
ulas are also included for an
easier, quicker and more pre-
cise application. In addition,
tips are now longer—40mm
against 36mm—to provide more
comfort to the dentist.

The Expasyl Premium Kits
contain 10 capsules of
paste with strawberry
aroma, as well as 40 pre-
bended canulas and a
manual applicator.

PIERRE ROLLAND,
FRANCE
www.actiongroup.com
Booth A16/B15

DIRECTA PRESENTS NEW SOLUTIONS FOR CLASS II CAVITY PREPARATIONS

Placing a matrix band to at-
tain a good contact point and
avoiding interproximal over-
har after excavation for
Class II fillings has always been
a time consuming and laborious procedure. Directa has announced to
offer a unique and easy solution for this procedure
by combining a separating
plastic wedge with a stainless
steel matrix. The FenderMate
is available in regular and nar-
row width and for left or right
application and will be colour
coded for better identification.

According to the Swedish
company, the combined matrix
and wedge are inserted as one
piece. A new technology con-
tours and compliments the
curvature of the patients tooth
and holds its shape without
having to use a retentive ring
that inhibits access to a cav-
ity. The contact point is cre-
ated by the dual curvature of
FenderMate so that fur-
ther burnishing will not be
necessary.

With the combination of
FenderMate and Fend-
Directa also offers a tissue friendly approach for the
preparation and filling of
Class II cavities.

DIRECTA, SWEDEN
www.directadental.com
Booth D30/E29

FOTONAS AT FIDELIS’ ER:YAG LASER

A new study published in
the 4/2009 issue of the
Journal of Oral Laser Applications
has found that less total absorbed
energy in the form of heat
remains in teeth when treated
with the AT Fidels’ Er:YAG
laser from Fotona, a Slovenian-
based manufacturer of medici-
al laser systems. The authors
concluded that the results, at
least partially, explain the ob-
served higher ablation efficacy
of Er:YAG (erbium:yttrium, alu-
minum, garnet) lasers com-
pared to Er:Cr:YSGG (erbium,
chromium:yttrium scandium,
gallium, garnet) lasers.

This report follows previous
studies that examined the use
of laser profilometry for the
characterization of crater pro-
duced in hard dental tissues by

Er:YAG and Er:Cr:YSGG lasers,
which gave insights into accu-
rate measuring laser drilling
speeds. One study revealed
that the AT Fidels’ Er:YAG
laser’s ablation rates, which de-
termines drilling speed in vol-
ume per second, to be 1.7 times
higher in dentine and 5 times
higher in enamel compared to the
Er:Cr:YSGG laser.

Er:YAG lasers such as the
AT Fidelsare solid state lasers
who typically emit infrared
light. They are being used for
wide range of medical and
dental applications including
the cutting of bone in dental
surgery.

Fotona d.d., Slovenia
www.fotona.com
Booth K40/L39

Z-PRIME PLUS

Bisco Dental Products is
presenting a new single-com-
ponent priming agent at IDEM
2010. Z-PRIME Plus, which is
versatile and durable with
many different substrates, can
be used to enhance adhesion
between composite resin ce-
ments such as BISCO’s Uni-
versal Resin Composite Luting
Cement, DUO LINK and in
direct restorative materials
including zirconia, alumina,
metal, composite and endo-
dontic posts. In addition, it can
be used for intra-oral repairs,
the company said.

They added that ZPRIME
Plus’ chemical stability is supe-
rior to other multi-functional
primers available on the mar-
et and has been specifically
formulated to provide high
bond strengths in both self
cure and light cure modes.
Z-PRIME Plus is available in
a single bottle for easy of dis-
pensing and application.

BISCO, USA
Booth E24

NEW TETRIC N-FAMILY FROM IVOCLAR VIVADENT

A new study published in
the 4/2009 issue of the
Journal of Oral Laser Applications
has found that less total absorbed
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Er:YAG lasers such as the
AT Fidelsare solid state lasers
who typically emit infrared
light. They are being used for
wide range of medical and
dental applications including
the cutting of bone in dental
surgery.

Fotona d.d., Slovenia
www.fotona.com
Booth K40/L39

Enamel and dentin reducing
preparations (composites, com-
posites) are resistant to hydrolysis.

The 7th
SIDEX 2010
Seoul International
Dental Exhibition &
Scientific Congress 2010

JUNE 25-27, 2010
ROXOLID™: The new “DNA” of implant materials— exclusively from Straumann

Struamann has developed a new and stronger metallic material with superior osseointegration properties. Roxolid™, an alloy of titanium and zirconium and the first material to be designed specifically for the needs of dental implantology. Roxolid™ is 50 per cent stronger than pure titanium, the current material of choice for implants. Exciting preclinical study results presented at the EAO 2008 in Warsaw showed the better osseointegration of Roxolid™ in comparison with pure titanium. The combination of enhanced strength and osseointegration enabled a new generation of small implants to be produced, which are advantageous, especially in situations where space is limited. Engineered and developed by Straumann, Roxolid™ is currently undergoing clinical trials in six countries. Preliminary observations (6-12 months) from the first clinical trial were also presented at the EAO and showed very promising survival rates.

Pure titanium (Grade 4) is known for its biological compatibility with the human body and its resistance to corrosion. The discovery that bone integrates with titanium (osseointegration) opened the way for its use in orthopaedic surgery and subsequently in implant dentistry, where its physical properties were also important in order to withstand the very strong masticatory forces. As the mechanical properties are limited in the case of small diameter implants (e.g. to replace a lower incisor) the use of alternative materials, such as titanium alloys (e.g. TiAl6V4, Ti64V) came into play. However, additional strength came at the expense of osseointegration due to inferior biocompatibility and surface characteristics.

In order to accept no compromise in either strength or osseointegration, Straumann developed the new material Roxolid™. It is composed of the two elements, titanium and zirconium. The combination of these two elements increases the strength of the material. According to published research, titanium and zirconium are the only two metals used in implantology that do not inhibit the growth of osteoblasts, the bone-forming cells that are essential for osseointegration. In addition to this, Roxolid™ can be combined with Straumann’s third generation SLActive®—the gold standard in surface technology—enabling other alloys such as Ti64V, which cannot accommodate the sophisticated microstructuring processes required. The unique combination of Roxolid™ and SLActive® enhances safety thanks to the properties of surface and material.

The composition of implant materials plays a key role in dental implantology as it defines the factors leading to implant success. Material has a direct influence on implant strength (mechanical properties) and osseointegration (biocompatibility and surface properties). These properties are fundamental to achieving successful treatment results.

Material strength is defined by the ultimate tensile strength. This value shows the force which can be exerted (on standardised probes) before a material breaks. In order to enhance the strength of titanium, it is alloyed with other elements. The combination of titanium and zirconium gives a superior strength to the material, resulting in the ultimate tensile strength of Roxolid™ of 50 per cent, which is higher than that of pure titanium (Fig. 1).

In vitro experiments by Steinemann regarding the reaction of tissue in combination with different elements show the high biocompatibility of Roxolid™ components. In the same publication, Steinemann also states that titanium and zirconium are the only elements which do not inhibit the growth of osteoblasts (based on in vitro testing). In combination with the SLActive surface, enhanced osseointegration was observed in a preclinical study. The histology from a preclinical study shows the difference between a titanium/SLActive surface and a Roxolid™/SLActive surface. Whereas the bone to implant contact is comparable, the newly created volume of bone is significantly higher with the Roxolid™ implant (Figs. 2, 3). The torque required for removal also gave a higher value for the Roxolid™ material than for titanium. In this preclinical study, Roxolid™ implants with SLActive surface performed better in 2 out of 3 osseointegration parameters, i.e. removal torque and bone area, whereas the bone to implant contact was similar to that of the titanium implants.

Further preclinical studies are ongoing to investigate the osseointegration behaviour of Roxolid™ with the SLActive® surface. It can be said that the combination of Roxolid™ and SLActive® shows very promising results. It does not compromise either in strength or in osseointegration.

The laboratory tests and preclinical results show the excellent behaviour of Roxolid™. Studies with patients in order to amass clinical evidence are ongoing.
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**ROXOLID™**
THE NEW “DNA” OF IMPLANT MATERIALS

**ROXOLID™** – Exclusively designed to meet the needs of dental implantologists. Roxolid™ offers:

- Confidence when placing small diameter implants
- Flexibility of having more treatment options
- Designed to increase patients’ acceptance of implant treatment

More information on [www.straumann.com/roxolid](http://www.straumann.com/roxolid)

COMMITTED TO SIMPLY DOING MORE FOR DENTAL PROFESSIONALS
At first glance, Singapore might appear shockingly modern and anonymous, but it is indeed an unmissably Asian city with Chinese, Malay and Indian traditions from feng shui to ancestor worship creating part of the everyday landscape. In these contrasts that bring the city to life, Singapore has traded its rough and ready spunkiness and pearl holograms for towers of concrete and glass, and its steamy rickshaw image for hi-tech wizardry, but you can still recapture the colonial era with a Singapore Sling under the languorous ceiling fans at Raffles Hotel.

One day you are in a hawker stall (food centre) melting over a bowl of Indian curry, the next you are enjoying high tea in whisperered environs complete with air-conditioned, starched linen table cloths and gliding waiters. Super-safe and mega-clean Singapore may be, but its sultry rhythms wash inexorably beneath the regimented beat of big city life. In the crowded streets of Chinatown, fortune tellers, calligraphers and temple worshippers are still a part of everyday life. In Little India, you can buy the best sari material, freshly ground spices or a picture of your favourite Hindu god, while in the small shops of Arab Street, the cry of theIAMAT Singapore Food FestivaLisLazaregarded as one of the best in July annually to celebrate Singapore’s cuisine. The multiculturalism of local food, the readily availability of international cuisine and styles, and the wide range in prices to fit all budgets at all times have what you’re looking for, you can have your choice of live seafood prepared to your specs. Snappers Seafood offers a selection of tasty seafood using fine and fresh ingredients. The menu is ever-changing but if the a la carte menu doesn’t fit you, you can have your choice of live seafood prepared to your specs. Snappers was also recognised for the “most innovative menu” of live seafood prepared to your specs. Snappers Seafood is a modern way by laying out the different dishes on a modern way by laying out the different dishes on a modern way by laying out the different dishes on

The Rice Table
Address: 360 Orchard Road, www.ricetable.com.sg

The Rice Table is the only restaurant in Singapore that serves an authentic Dutch rijsttafel, a meal filled with a variety of meats, poultry, seafood, vegetables, sambals and sauce all to be taken with a little helping of rice. The story goes that the Dutch approached Indonesian food with a great deal of caution, first sampling one dish and then another until a spread of more than 30 dishes had emerged. The Rice Table Restaurant presents the rijsttafel in a modern way by laying out the different dishes on a food warmer. As the food is kept warm throughout the entire meal, you can take your time enjoying the rich flavours of piping hot Indonesian food.

Snappers Seafood
Address: 7 Raffles Ave, The Ritz-Carlton Millenia Singapore, Level 1, www.ritzcarlton.com

This hip poolside restaurant offers a selection of tasty seafood using fine and fresh ingredients. The menu is ever-changing but if the à la carte menu doesn’t fit you, you can have your choice of live seafood prepared to your specs. Snappers was also recognised for the “most innovative menu” in the Singapore Wine and Dine Restaurant Guide. Information provided by the Singapore Tourism Board or the associations it deals with as one of its best attractions alongside its shopping. The government organises the Singapore Food Festival in July annually to celebrate Singapore’s cuisine. The multiculturalism of local food, the readily availability of international cuisine and styles, and their wide range in prices to fit all budgets at all times help create a “food paradise” to rival other contenders claiming the same moniker.

Food in itself has been heavily promoted as an attraction for tourists. It is usually promoted by various initiatives undertaken by the Singapore Tourism Board or the associations it deals with as one of Singapore’s best attractions alongside its shopping. The government organises the Singapore Food Festival in July annually to celebrate Singapore’s cuisine. The multiculturalism of local food, the readily availability of international cuisine and styles, and their wide range in prices to fit all budgets at all times help create a “food paradise” to rival other contenders claiming the same moniker.

Singapore is not just one island, but a main island with more than 50 surrounding mostly inhabited islets. Sentosa, Singapore’s resort island getaway is a must-see for all visitors. Just minutes away from the hustle of the city, this island of tranquility welcomes everyone with beautiful sandy beaches, rustic nature trails, Asia’s most exciting oceanarium and the Dolphin Lagoon. Pulau Ubin is a window into the Singapore from 30 years ago—thatched huts, backyard orchards, dirt tracks and interesting wildlife. St John’s Island, a former penal colony, which has been transformed into a tranquil resort with abundant water sports and activities and holiday bungalows, also makes an ideal getaway.

Kusu or “Turtle” Island is best known for its legend of how a giant turtle turned itself into an island in order to save two shipwrecked sailors, a Malay and a Chinese. Lazarus and Sisters Islands are some of the other easily accessible tropical paradises known for snorkelling and diving.

But in Singapore, everything starts and ends with food. The multi-cultural dining scene is a natural dish, while the daily race to find and produce the next best thing in cuisine is fuelled by an adventurous national palate. Because it is often viewed by its population as central to Singapore’s national identity and a unifying cultural thread, Singaporean literature often declares eating as a national pastime and food, a national obsession. Food is a frequent topic of conversation among Singaporeans, who like to comment on the food they have eaten and the eaters around the country. There are some religious dietary strictures as Muslims do not eat pork and Hindus do not eat beef. There is also a significant group of vegetarians. Nevertheless, people from different communities often eat together, while being mindful of each other’s culture and choosing food that is acceptable to all. There are also some halal Chinese restaurants that prepare Chinese food in a way that conforms to Muslim dietary preference.

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The efficient NiTi system
Perhaps the most famous filmmaker to emerge after the war, the name Federico Fellini, has become synonymous with fantasy and exuberant creativity. He is among the most acclaimed filmmakers in the history of the medium. Fellini is also one of the very few filmmakers that managed to reconcile original artistic genius with profits at the box office, with films such as, La Strada, La Dolce Vida, Nights of Cabiria and 8 1/2. The retrospective features the entire oeuvre of Federico Fellini; the filmmaker. Twenty-one feature length films, three omnibus films which Fellini contributed a segment will screened in their entirety, a rare screening of Roberto Rossellini’s The Miracle which Fellini co-written and acted in, documentaries about his life and work, and a roundtable discussion with Fellini experts and film critics.

Today’s screenings:
1. This Is Love (19:00, LIDO 5, 350 Orchard Road)
2. Manna (21:15, LIDO 3, 350 Orchard Road)

FELLINI: A Complete Retrospective (Cinema)
Venue: National Museum of Singapore, Gallery Theatre, Basement
www.nationalmuseum.sg

Singapore International Film Festival (Cinema)
Venue: Various
www.filmfest.org.sg

Venue: Singapore International Film Festival (Cinema)

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The new LED curing light Flashmax2 from CMS Dental is the worlds most powerful on the market. Intensity is >4.000 mW/cm².
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A new obturator with a lean design. No handle, but used with a tweezer.

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excellence in Asian cinema with its three awards categories—Asian Film Competition, Singapore Short Film Competition and the Singapore Film Awards introduced in 2009.

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### Visitors to Singapore

- **Medical facilities**: Singapore's medical facilities are among the finest in the world, with well-qualified doctors and dental surgeons. Pharmacies are readily available at supermarkets, department stores, hotels and shopping centres. Registered pharmacists generally work from 9:00 to 18:00. Most hotels have their own doctor on call around the clock. Other doctors are listed under Medical Practitioners in the Yellow Pages of the Singapore Phone Book. Visitors can also contact the following hospitals' International Patient Service Centres:
  - **Parkway Group Healthcare Medical Referral Centre**, 302 Orchard Road, Tel 6775 5000 (24-hour hotline)
  - **Raffles International Patients Centre**, 265 North Bridge Road, Tel 6313 3222
  - **National Healthcare Group International Patient Liaison Centre**, National University Hospital, 5 Lower Kent Ridge Road, Tel 6799 2777 (24-hour hotline)
  - **Singapore Health Services SingHealth International Medical Service, Singapore General Hospital, Block 6 Level 1, Outram Road, Tel 6326 5656**

- **Currency and banking**: The official currency is the Singapore Dollar and cents. US and Australian Dollars, Yen and British Pound are also accepted in most major shopping centres and big department stores. Banking hours are Monday to Friday from 10:00 to 16:00, Saturdays from 9:30 to 16:00 and Sundays from 9:30 to 15:00 (OCBC and Standard Chartered).

### General information

#### Parking

- Suntec Singapore has 3,200 parking lots categorized by voice and animal zones. Comprehensive electronic signatures are located in the car park for easier identification.
  - Mondays to Fridays (7:00 - 17:00)
  - Saturdays, Sundays and Public Holidays (7:00 - 12:00)

#### Smoking

- Smoking is not permitted in public service vehicles, museums, libraries, lifts, theatres, cinemas, air-conditioned restaurants, non-air-conditioned eating houses, hawkers centres, hair salons, supermarkets, department stores and government offices. In line with efforts to improve the nighttime experience for all, there are smoking restrictions on entertainment outlets. Smoking is no longer allowed in all pubs, discos, karaoke bars and nightclubs, unless within approved smoking rooms or smoking corners. Offenders can be fined up to S$1,000.

#### Embassies and consulates

- **Australia**, 25 Napier Road, Phone: 6836 4100
- **Canada**, One George Street, #1-01, Phone: 6854 5900
- **China**, 150 Tanglin Road, Phone: 6471 2137
- **France**, 101 – 103 Cluny Park Road, Phone: 6880 7800
- **Germany**, #12-00 Singapore Land Tower, 50 Raffles Place, Phone: 6533 6002
- **India**, India House, 31 Grange Road, Phone: 6737 5777
- **Indonesia**, 7 Chatworth Road, Phone: 6737 7422
- **Italy**, 101 Thomson Road #27-02 United Square, Phone: 6250 6022
- **Japan**, 16 Nassim Road, Phone: 6235 8855
- **Korea**, Korea Plaza, Samsung Hub, #01-02, Church Street, Phone: 6533 0441/2
- **Malaysia**, 101 Jervois Road, Phone: 6235 0111
- **Switzerland**, 1 Swiss Club Link, Phone: 6468 5799
- **United Kingdom**, 101 Tanglin Road, Phone: 6424 4200
- **United States of America**, 27 Napier Road, Phone: 6478 9900

#### WiFi internet

- Free wireless broadband internet from Wireless500, an initiative by the Infocomm Development Authority of Singapore and three local wireless operators, is available in many areas of the Suntec Convention and Exhibition Centre and the Suntec City Mall.

#### Press and media

- Free copies of the congress newspaper today international will be available onsite and provide you with more information regarding the congress and your stay in Singapore.

#### Academic accreditation points

- Delegates who have registered for the lectures and hands-on workshops are eligible to receive free wireless broadband internet from Wireless500, an initiative by the Infocomm Development Authority of Singapore and three local wireless operators, is available in many areas of the Suntec Convention and Exhibition Centre and the Suntec City Mall.

#### Venue

- **Suntec Singapore International Convention & Exhibition Centre**, 1 Raffles Boulevard, Suntec City, Singapore 038953
  - Tel: +65 6332 2888

#### Date

- **Trade Exhibition**: April 16 – 18, 2010
- **Scientific Conference**: April 15 – 18, 2010

#### Exhibition opening hours

- **Friday to Saturday**: 10:00 – 18:00
- **Sunday**: 10:00 – 16:00

#### Languages

- All scientific and educational programmes will be held in English. Translations will not be provided.

#### Academic accreditation points

- Delegates who have registered for the lectures and hands-on workshops are eligible to receive continuing education points by attending scientific sessions throughout the meeting.

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#### Emergency phone numbers

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- **Police** 999

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- Hydrim uses patented instrument protection and active drying systems

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- **China, Taiwan, South Korea, Hong Kong, Vietnam** – Patyue Liu on +86 20 61910812 or email pliu@scican.com
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