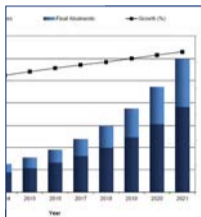


today



Opposing price trends

Traditionally, premium implant companies have dominated the dental implant market globally. However, in recent years, discounted implants have become increasingly popular, especially in the Asia Pacific region.

»Page 10



Dental products in focus

The 37th Asia Pacific Dental Congress will be an excellent opportunity to see the most up-to-date technologies and achievements in the field of dental medicine.

»Page 12



What's on in Singapore

Owing to its rich cultural and culinary scene, Singapore offers something for nearly everyone. Here are some tips how to spend your time off in the Lion City.

»Page 15

Asia Pacific Dental Congress returns to Lion City

37th edition to be held from Friday to Sunday at Suntec Singapore Convention and Exhibition Centre

Over the course of the next three days, Singapore will be the focal point of everything dentistry in Asia again when the next Asia Pacific Dental Congress begins here at the Suntec Singapore Convention and Exhibition Centre for pro-



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and developments in the field of dentistry.

Held by the Asia Pacific Dental Federation in collaboration with the Singapore Dental Association, the congress will offer an extensive and diverse scientific programme covering all dental specialties. Highlights include two lectures and a workshop by internationally prominent endodontist Dr Gary Glassman from Canada (see page 6) and a dental laser practice workshop organised by the Asian Pacific Division of the World Federation for Laser Dentistry. Other topics to be covered during the congress include risk profiling for periodontal disease and designing lifelike and aesthetically pleasing smiles. The benefits and features of surface scanning will be explored during two

today »page 2



professionals from all over the region. It is the fourth time that the pan-regional dental event is being held in the city-state after the 1963, 1981 and 1999 congresses. For this year's meeting, which coincides with Singapore's 50th anniversary celebrations, thousands are expected to flock to the Lion City to learn about the latest innovations

Useful information

Congress venue

Suntec Singapore International Convention & Exhibition Centre
1 Raffles Boulevard, Suntec City
Singapore 039593

Exhibition Hours

Friday, 3 April: 9 am – 6 pm
Saturday, 4 April: 9 am – 5 pm
Sunday, 5 April: 9 am – 6 pm

Language

The official language of the 37th Asia Pacific Dental Congress is English. Simultaneous translation will not be provided.

Press and media

Free copies of the today international congress newspaper will be available daily during APDC, and

will provide visitors with the latest news from the congress, information about new products and what to do in Singapore.

Internet

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

Banks & Money

ATM machines can be found throughout the Suntec City Mall. The legal tender is the Singapore dollar (SGD), which has an exchange rate to the US dollar of about SGD1.36 (as at 24 March 2015). While most shops in Singapore accept all major credit cards, vendors at open-air markets will most likely only accept cash. Banks are open from 9.30 am to 3 pm on weekdays, and 9.30 am to 11.30 am on Saturdays.

Smoking

Smoking is not permitted in public service vehicles, museums, li-

braries, lifts, theatres, cinemas, air-conditioned restaurants, non-air-conditioned eating houses, hawker centres, hair salons, supermarkets, department stores and government offices. In line with efforts to improve the nightlife experience for all, there are smoking restrictions on entertainment outlets. Smoking is no longer allowed in all pubs, discos, karaoke bars and nightspots, unless within approved smoking rooms or smoking corners. Offenders can be fined up to 1,000 SGD.

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 am to 6 pm.

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, Tong Building #16-01/02/03, 6735 5000 (24-hour hotline)
- Raffles International Patients Centre, Raffles Hospital, 585 North Bridge Road, 6311 1222
- National Healthcare Group International Patient Liaison Centre, National University Hospital, 5 Lower Kent Ridge Road, 6779 2777 (24-hour hotline)
- Singapore Health Services (SingHealth) International Medical Service, Singapore General Hospital, Block 6 Level 1, Outram Road, 6326 5656

Important Telephone Numbers:

- Police: 999 (112 or 911 from an international phone)
- Emergencies, Fire and Ambulance: 995
- Lost credit cards: 1802276868 (VISA) or 6227 888 (MasterCard)



(DTI/Photo courtesy of Koelnmesse, Singapore)

today page 1

lectures on digital dentistry on Saturday. According to the organisers, participants can earn continuing professional education credits for every scientific session they attend.

The programme will be complemented by pre-congress workshops and poster presentations in the exhibition area in Halls 405 and 406.

Over 60 manufacturers and distributors have also registered for the trade exhibition, which will see the introduction of the latest dental materials, solutions and devices to the Asian market. For example, dental consumables manufacturer DENTSPLY has announced the launch of its "one" collection of premium, high-performance restorative materials at the show. Most of the products will be available to dentists in the region for the first time.

The 37th edition of the Asia Pacific Dental Conference will open this Friday with a welcome ceremony starting at 5.00 pm on Level 3. Visitors can still register for the congress and the exhibition on-site. Discounts will be provided to members of the Asia Pacific Dental Federation, as well as dental staff and students.

For more information about the congress, please visit the event's website at www.apdc2015.sg. ◀

In memoriam



Known as Singapore's "Founding Father", Lee Kuan Yew governed the Lion City for over three decades, from 1959 to 1990. Under his rule, the city-state developed from a Third World country into the economic powerhouse that it is today. On 23 March 2015, the 81-year-old passed away owing to illness.

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Greetings from
APDF/APRO President
Dr Aisha Sultan
al-Suwaidi

It is an honour and privilege for me to welcome you to the 37th Asia Pacific Dental Congress here in Singapore. The congress features a number of internationally respected speakers, who will share, discuss, debate and dissect significant new developments and scientific advancements that will have an impact on the future of dentistry. The programme will provide continuing education opportunities for dentists in all specialties, as well as world-class content for researchers and industry supporters.



Dr Aisha Sultan al-Suwaidi

The Asia Pacific Dental Federation has increased its membership and educational activities since it was founded almost 60 years ago in 1955 in Japan. Having established itself as the Asia Pacific Regional Organisation of the FDI World Dental Federation in 1967, it is now recognised as a leading institution in organised dentistry.

In addition to the excellent scientific programme, the welcome reception and social events will give participants the opportunity to network with colleagues while enjoying the cuisine, culture and warm hospitality of Singapore.

On behalf of the organising committee, I am pleased to welcome you all to Singapore, Asia's leading health care and medical research hub. Enjoy what we have to offer: state-of-the-art infrastructure, with a unique blend of contemporary and traditional ways of life owing to our multiracial, multicultural heritage. ◀

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Declaration on amalgam phase-out in Asia signed

Representatives of dental and civil society organisations in Asia recently signed a declaration that calls for a phase-out of dental fillings containing mercury throughout the region. The agreement also aims for the cease of trade in amalgam and to educate dental professionals about mercury-free alternatives, such as Atraumatic Restorative Treatment.

Use of amalgam in the treatment of children and pregnant women is to be prohibited already this year, the paper states. It also calls for developing measures to

raise public awareness about the environmental hazards of amalgam and to help hospitals and dental institutions continent wide to provide mercury-free dental health care services.

An overall phase-out of amalgam in dentistry in Asia is targeted for 2020.

Signed by dental representatives from India, Nepal, Bangladesh, Thailand, Pakistan and Sri Lanka, the declaration is considered a practical step towards implementing the Min-

ata Convention on Mercury, an international agreement signed by 87 countries two years ago in Japan, that has banned the use of the substance in industrial products like batteries and fluorescent lamps, on the continent. Although amalgam is generally exempt from the ban, the convention recommended phasing down its use in dentistry worldwide.

If implemented effectively, the new declaration, formulated in Dhaka, Bangladesh, last November, would make Asia the largest and most densely populated conti-

nent to phase out the controversial material, said Dillip Pattanaik, Executive Director of the Orissa State Volunteers and Social Workers Association, a local non-profit organisation, and one of the initiators of the initiative.

"Amalgam is a primitive, polluting product whose high metal content leads to cracked teeth. It is so old that it pre-dates the birth of Mahatma Gandhi. It has no role in 21st century dentistry and it is generally rejected among younger and more modern dentists," he commented.

While mercury-free dentistry is growing even in rural parts of India, Pattanaik said, more than 70 per cent of dentists in the country are still using it as their primary filling material. The widespread use results in 65 tons of amalgam waste per year, which, despite new initiatives to educate dentists about the benefits of amalgam separators, is released into the environment. It is then transformed into methylmercury, a highly toxic form of the metal that poses health risks to wildlife and human beings.

"The large number of dental practitioners and dental professionals both in the private and government sectors are unaware of these things and required to be sensitised to avoid amalgam disposal through the normal sewer system," Prof. Mahesh Verma, Indian Dental Association President and Director and Principal of the Maulana Azad Institute of Dental Sciences in New Delhi, told *Dental Tribune Asia Pacific*.

Religious practices like Hindu cremations further add to the environmental problem, as they release mercury from dental fillings into the air.

While the environmental effects of amalgam waste in Asia remain largely unknown, it is believed that the continent contributes significantly to the overall global burden. According to a 2013 report released by the United Nations Environment Programme, amalgam waste entering the solid waste stream amounts to 340 tons worldwide. Total emissions of mercury resulting from cremation of human remains were estimated at 3.6 tons. ◀◀



The declaration was formulated last November in Dhaka. (Photo OSVSWA, India)

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2015 Annual World Dental Congress: FDI calls for abstract submissions

The FDI World Dental Federation has announced that abstract submission is now open for the next Annual World Dental Congress, which will be held in the Thai capital Bangkok from 22 to 24 September. The organisation has invited authors to submit their scientific work in general dentistry and oral health, preventive dentistry, dental treatment and restorative dentistry, and implantology, among other areas of research in dentistry, by 15 April.

Authors can submit abstracts for oral and poster presentations online on the official website for the

2015 congress. Abstracts must be in English, not exceed 250 words, and not have been submitted and accepted at another national or international scientific meeting.

Authors of accepted abstracts will have the opportunity to present their research at the congress as part of the rich and diverse scientific programme, which will also feature presentations by numerous distinguished international experts. In addition, the FDI will be publishing accepted and presented abstracts in a special online supplement to the *International Dental Journal*.

The selection of the host country for the 2015 Annual World Dental Congress was announced in 2013 when the congress took place in Istanbul in Turkey. It will be the third time in five years that the event is held in an Asian country, after Hong Kong in 2012 and last year's congress in New Delhi, India. However, it will be the first time that the Dental Association of Thailand will be hosting the annual meeting of the FDI.

More information about the congress and how to participate can be found at www.fdi2015bangkok.org or at booth A06. ◀◀



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Taking endodontic success to levels never seen before

By APDC presenter Gary Glassman, Canada

■ For the past 100 years the objective of dentistry has always been to maintain the natural dentition wherever possible. Since root canal treatment was first performed, the objective of endodontics treatment has never wavered

from preventing or treating apical periodontitis so that there is complete healing and an absence of infection, while the overall long-term goal is the placement of a definitive, clinically successful restoration and preservation of the tooth.

The criteria for endodontic success is clear. The clinician must first find the canals and access the anatomy of the root canal system. Once found, the canals must be negotiated to their apices, the smear layer and biofilm removed and sub-

sequent obturation and restoration must be achieved in a timely and effective manner.

With the emergence of technology, clinical endodontics is seeing higher successes never seen be-

fore. At the Asian Pacific Dental Conference (APDC) in Singapore I will be addressing breakthrough concepts and detailing the skills necessary for acquiring the expertise and confidence to perform the highest quality endodontics.

The participants in the lecture and hands-on workshop programmes will become familiar with the use of the "apex last" approach to canal shaping with nickel-titanium instrumentation using the TF (Twisted File) Adaptive System. This innovative "Shaping System" will present the scientific evidence illustrating the superior flexibility of the TF file based on its design and the way in which it is manufactured.



Dr Gary Glassman

Adaptive Motion Technology will also be introduced. The revolutionary elements motor in TF Adaptive Mode will "direct" the file to either rotate or reciprocate based on file load in the canal. The continuous feedback loop from the file to the motor allows the movement of the file to self-adjust based on intracanal torsional stresses. Scientific evidence shows how this NiTi system provides a file that has an increased resistance to cyclic fatigue and will evacuate debris coronally and not apically through the apex thereby lessen post-operative pain more than any other NiTi system available. This allows the file to enjoy the advantages of rotary and reciprocation while minimising the disadvantages that both systems have. Rotary when you want it, reciprocation when you need it!

Also to be discussed will be predictable irrigation protocols using passive ultrasonic irrigation and apical negative pressure with the EndoVac, vertical condensation of thermo-softened gutta percha with the Continuous Wave technique as well as the elements free Obturation System. ◀

Dr Gary Glassman lectures globally on endodontics. He maintains a private practice specialised in endodontics in Toronto, Canada, and is also on staff in the graduate department of endodontics at the University of Toronto's Faculty of Dentistry. You can join his two entertaining and faced-paced lectures as well as a hands-on workshop on Friday.

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 Professor Chooi-gait Toh (Malaysia)
 Dr. Patrick Tseng (Singapore)

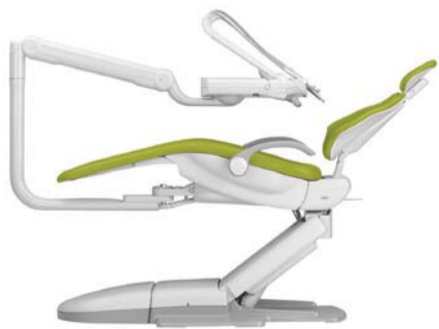
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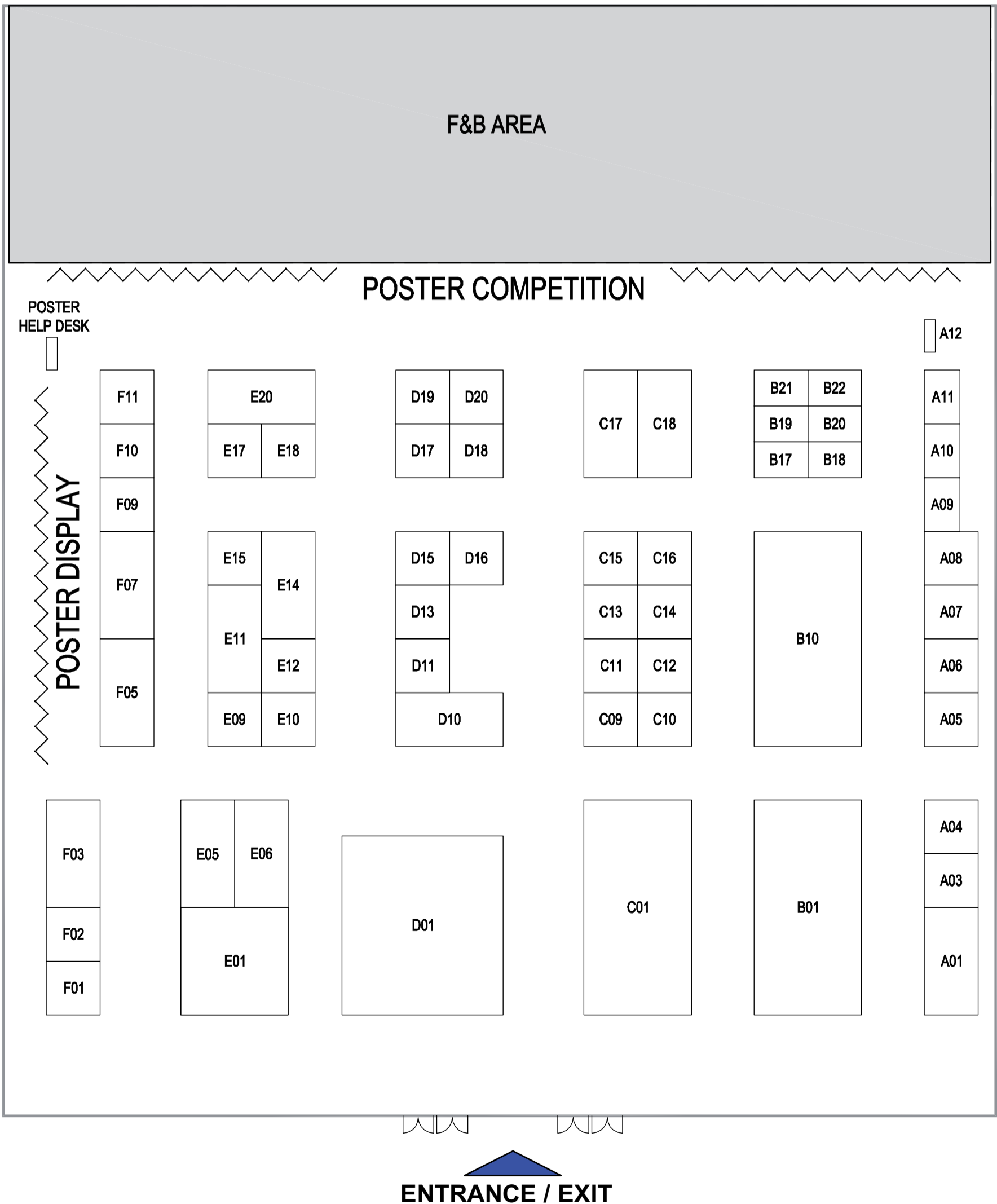
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37th Asia Pacific Dental Congress Singapore 2015—Floor plan



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3M Technologies Pte Ltd	E14	F		O	
4T Technologies Pte Ltd	D17	FDI 2015 Bangkok Thailand	A06	Omnia Spa	E05
A		Fondaco Pte Ltd	D11	P	
A-Dec Inc.	E01	G		Pearlie White (Corlison Pte Ltd)	D10
ADM Asia-Pacific Pte Ltd	E10	GluStitch Inc.	A05	Pharmaniaga Berhad	D15
Amann Girrbach AG	F10	Goh Private Limited	B10	Q	
APDC 2016	B21	H		QST Dental Pte Ltd	E20
Apixia Corporation	F01	Hong Kong Dental Association	B20	R	
Asia Implant / Zirkozahn	F02	I		Raydent Supplies (S) Pte Ltd	E17
Association of Dental Sciences of the Republic of China	A10	IDEM Singapore 2016	A07	Roland DG	F03
Association of Oral Health Therapist	B18	Info Resources Services	A12	S	
B		J		Score B.V. Dutch Ergonomic (Saddie) Seating	D20
Blossom/ Mexpo International Inc.	C09	Jacks BS Singapore Pte Ltd	D18	SHOFU	
C		K		Dental Asia-Pacific Pte Ltd	F05
Calgin Enterprises Pte Ltd	D19	KaVo Dental Asia-Pacific Pte Ltd	C01	Singapore Dental Association	A11
Carestream Health Singapore Pte Ltd	C11	M		Sirona Dental Systems GmbH	B01
Chee Sang Dental Supply Pte Ltd	C16	Malaysian Dental Association	B17	Smitech (Asia) Pte Ltd	F09
Colgate-Palmolive	D01	Mandarin		Straumann-Institut	
D		Opto-Medic Co Pte Ltd	A03	Straumann AG	D13
Defence Forces Dentistry (Thailand)	B22	Medisys Innovation Pte Ltd	C13	Sunstar Singapore Pte Ltd	E11
Densco Dental & Medical Suppliers Pte Ltd	C12	MedKraft Orthodontics U.S.A	E09	Swissloupes - Sandy Grendel AG	C10
Dental Asia	E18	Morita Dental Asia Pte Ltd	A01	T	
Dental Tribune International	A08	N		Taiwan Dental Association	A09
DENTSPLY Singapore Pte Ltd	C17	N.K. Luck (S) Pte Ltd	C14	V	
Dürr Dental AG	C18	N.K. Luck (S) Pte Ltd	F07	Vietnam Odontostomatology Association (VOSA)	B19
E		Nobel Biocare Singapore Pte Ltd	E06	X	
Eastland Dental Supplies Pte Ltd	D16	North (Nanjing) Instrument Technology Industries Group	A04	Xenosys Co Ltd	E12
		NSK Asia	F11		

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