YANKEE DENTAL CONGRESS EDITION

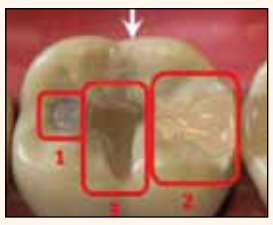
DENTAL TRIBUNE

The World's Dental Newspaper · U.S. Edition

JANUARY 2014 — VOL. 9, NO. 1

www.dental-tribune.com

FORENSIC DENTAL DATA TRANSMISSION PROTOCOL UPDATED



Publication standardizes transmission methodology of dental ID data sent between agencies.

▸ page A2

IMPLANT TRIBUNE

AO ANNUAL MEETING IS MARCH 6–8

Seattle is the site of 29th gathering of the Academy of Osseointegration.

▸ page B1

HYGIENE TRIBUNE

LAST CALL FOR 'PROS IN THE PROFESSION'

March is final deadline for nominating an RDH for the Crest Oral-B honor.

▸ page C1

YDC: 'It all starts here'

Yankee Dental Congress expecting 28,000

"It all starts here" is the theme at the 2014 Yankee Dental Congress, where an estimated 28,000 dental professionals are expected to gather with a shared goal of improving and maintaining patients' oral health — as well as overall health.

Attendees can expect to find a varied selection of continuing dental education courses and a bustling exhibit hall floor featuring some of the most innovative products in dentistry. It all takes place under one roof — at the Boston Convention and Exhibition Center from Jan. 29 to Feb. 2.

According to meeting organizers, YDC 2014 will feature more than 300 continuing education courses covering virtually every sector of dentistry, presented by some of the industry's top speakers. Highlights include:

• Restorative dentistry, presented by John Sorensen, DMD, PhD, and Sam Simos, DDS.

• General health, presented by Bart Johnson, DDS.

• Practice management, presented by Kirk Behrendt, Jennifer Blackmon, Mark Hyman, DDS, Lisa Gualtieri, PhD, Rachel Mele and Chris Scappatura.

• Prosthodontics, presented by William Wilson, DDS.

• Orthodontics, presented by Chris Baker, DMD, RN, and Wick Alexander, DDS.

The YDC also will offer quality continuing education programs, including:

• "The Ninth Annual Conference for Women in Dentistry."

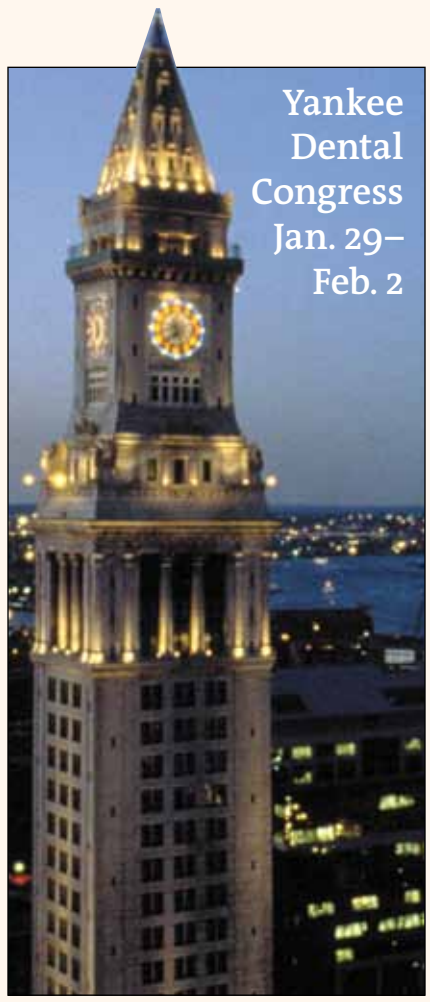
• "Diagnosis and Treatment of Oral and Facial Lesions — Fast Track."

• "Master the Skills of Marketing Your Practice: One-Day Marketing Symposium."

• "New Dentist Itinerary."

Attendees will be able to connect with some of the brightest minds in

▸ See YDC, page A4



The 16-story Customs House, Boston's first skyscraper — built in 1917 — is among the sights awaiting attendees of New England's largest dental meeting, the Yankee Dental Congress. Photo/Provided by Greater Boston Convention & Visitors Bureau

NEWS A2

- Dental infections thought to cause brain aneurysms
- Protocol for forensic dental data now same as with DNA and fingerprinting

MEETINGS A4–A8

- 'It all starts here' at Yankee Dental Congress: Annual meeting in Boston expecting 28,000
- Pacific Dental Conference, March 6–8, includes two-day exhibit hall, Thursday and Friday, March 6–7
- Journées dentaires internationales du Québec exhibit hall is among Canada's biggest
- 2013 Greater New York Dental Meeting hits big numbers

INDUSTRY A10–A12

- OCO Biomedical's biomechanical dental implants lock at placement and stimulate bone growth
- Universal registration product earns awards: R-dental's METAL-BITE collects multiple industry honors
- Komet USA's F360 endodontic files reduce root-canal preparation time
- Changing lives a smile at a time: A Six Month Smiles case study

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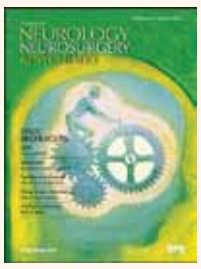
AD

Dental infections may play a role in brain aneurysms

While bacterial infections have been associated with a number of serious medical conditions, such as cardiovascular diseases, their role in cerebrovascular disorders has not been fully understood to date. Now, researchers from Finland have suggested that infections due to oral and pharyngeal bacteria could be a risk factor for ruptured intracranial aneurysms.



Journal of Neurology, Neurosurgery and Psychiatry

In the study, the researchers obtained 36 ruptured aneurysm specimens through aneurysm clipping operations (29) and by autopsy (7), which were examined for the presence of bacterial DNA from various oral species.

The researchers found bacterial DNA in 21 specimens. DNA from endodontic bacteria was detected in 20 specimens and from periodontal bacteria in 17 of the samples. Bacterial DNA of the *streptococcus mitis* group, which has also been linked to endocarditis, was found to be the most common. *Aggregatibacter actinomycetemcomitans, Fusobacterium nucleatum* and *Treponema denticola* were the three most common periodontal pathogens.

According to the researchers, the study is the first to provide evidence that dental infections could be associated with intracranial aneurysm disease and the rupture of brain aneurysms in particular.

The study, titled "The connection between ruptured cerebral aneurysms and odontogenic bacteria," was published in the November 2013 issue of the Journal of Neurology, Neurosurgery and Psychiatry. It was conducted by researchers at the University of Tampere in collaboration with the University of Eastern Finland in Kuopio.

(Sources: University of Tampere and the University of Eastern Finland in Kuopio)

Protocol for forensic dental data now same as for DNA and fingerprinting

ANSI/NIST-ITL updates standards for transferring information

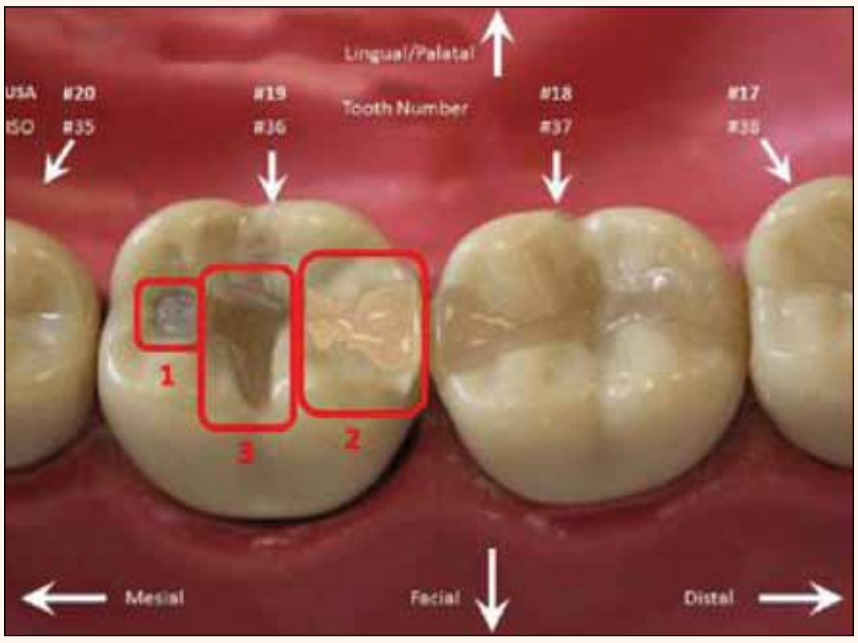
The Information Technology Laboratory (ITL) at the National Institute of Standards and Technology (NIST), whose broad mission is to promote U.S. innovation and industrial competitiveness by advancing measurement science, standards and technology, recently added a dental data supplement to its existing standard, "Data Format for the Interchange of Fingerprint, Facial & Other Biometric Information."

The forensic dental data supplement standardizes the transmission methodology of familial dental data, dental history data, tooth data, mouth data, radiological data, visual images and other dental biometric information. Such data can be critical to the investigation of missing persons as well as disaster recovery identification efforts for transportation accidents, terrorist attacks and other incidents where dental records are used in the identification process.

ANSI/NIST-ITL canvassees representing more than 60 organizations around the world approved the dental supplement as well as a new forensic voice analysis supplement.

"The dental supplement evolved out of the need to include forensic dental in disaster victim identification," said Bradford Wing, biometric standards coordinator of NIST-ITL. "Communication protocols for dental data now match those for fingerprints and DNA."

The ANSI/NIST-ITL Dental Working Group worked collaboratively with the American Dental Association (ADA) Standards Committee on Dental Informatics over a period of several years to produce a supplement that uses the ANSI/ADA Standard 1058 — Forensic Dental Data Set as the basis for interaction and interoperability among the various forensic dental repositories and systems deployed around the world. These include the FBI National Crime Information Center Dental Image Repository, the Department of Justice National Missing and Unidentified Persons System (NamUs), INTERPOL FastID Disaster Victim Identification System, Plass Data software (used by many organizations around the world), WinID Dental Identification System (used in many U.S. disaster recovery operations) and the UVIS Dental Identification Module (UDIM) developed by the New York City Medical Examiner's Office and also used by some municipalities.



An image from section 8.12 Record Type-12: Forensic dental and oral record, in NIST Special Publication 500-290 Version 2 (2013), depicts three simulated restorations to illustrate proper coding used to describe restorations' material content and location. Photo/Provided by NIST

Once implemented, the standard will enable these organizations to not only exchange data but also gather data directly from dental offices, even though each system uses unique encodings that are not mutually compatible.

The dental supplement also covers other items that can be useful for forensic work, such as patterned injury imagery (for example, bite marks), cheiloscopy (lip prints), CT and cone-beam scans, and more.

NIST coordinated the development of these supplements and manages the updates to the standard. For more information about the standard and the standards development process and for a copy of the standard itself, visit *www.nist.gov/itl/iad/ig/ansi_standard.cfm,* or you can contact Bradford Wing at (301) 975 5663.

(Source: The Information Technology Laboratory at the National Institute of Standards and Technology)

DENTAL TRIBUNE
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◂ YDC, page A1

dentistry on the exhibit hall floor and discover some of the latest trends, techniques, products and services available from a field of more than 450 exhibitors. Additionally, there will be a number of continuing dental education programs offered on the exhibit hall floor. Among the choices:

• "Catapult Continuum," a new series of courses covering a wide range of timely topics, is sponsored by the Catapult Group and offered at no additional charge to attendees.

• "CE on the Exhibit Hall Floor" comprises more than 25 hands-on courses and lectures, all available at no charge or at a significantly reduced rate.

• The "Dental Office Pavilion" presents opportunities for hands-on product analysis for those considering new equipment or technology. This program, too, is offered at no additional charge — presented by Henry Schein Dental.

• The "Healthy Living Pavilion" enables attendees to earn C.E. credits while learning from experts about various diets and how to be healthier.

• "High-Tech Playground" displays some of dentistry's latest equipment and technologies in an informal setting on the exhibit hall floor without sales pressure (and at no charge).

• "Live Dentistry," also at no charge, features top clinicians performing live, leading-edge procedures. Supplies are being provided by Patterson Dental.

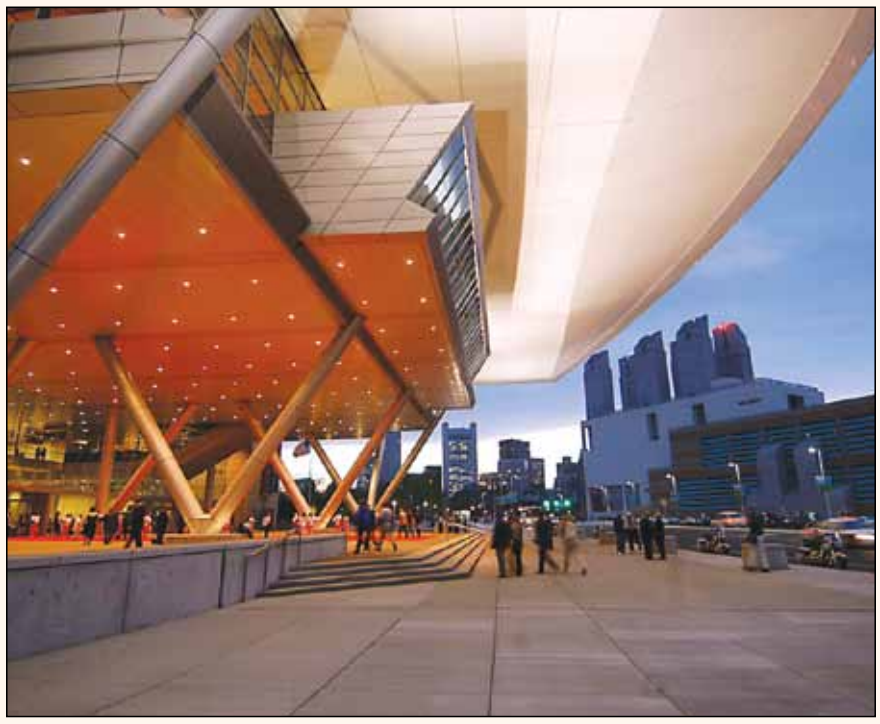
• "Social Media Hot Spot" — another new offering for 2014 will help you understand what's ahead with social media marketing in dentistry.

On Thursday, Jan. 30, attendees can have lunch with Gillian Flynn, author of "Gone Girl." Or that evening, "Going for the Gold at Yankee" will be open to everyone — whether you want to be a participant or spectator.

On Friday afternoon, presenting "Dan Abrams — Man Down," Dr. Abrams tackles the toughest case of his career and turns conventional thinking upside down in the process.

There is still time to register for YDC 2014 at *www.yankeedental.com* to take advantage of what meeting organizers describe as, "four days that will inspire, inform and entertain."

(Source: Yankee Dental Congress)

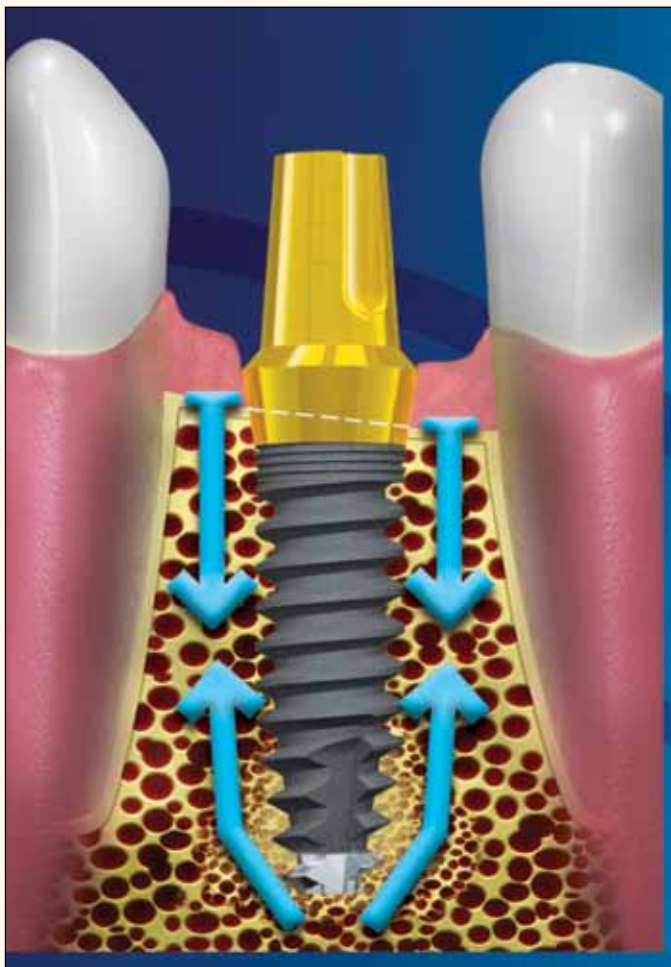


The Boston Convention and Exhibition Center hosts the Yankee Dental Congress, which will feature more than 300 continuing education courses and more than 450 exhibitors.
Photo/Provided by the Greater Boston Convention & Visitors Bureau

Yankee Dental Congress exhibit hall

Thursday, Jan. 30	Friday, Jan. 31	Saturday, Feb. 1
9:30 a.m.–5:30 p.m.	*9:30 a.m.–5:30 p.m.*	*9 a.m.–4 p.m.*

AD



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This image represents the typical PFM prep we receive with a conservative feather-edge margin. When a PFM is fabricated for this prep, there is a bulky 1 mm margin on the PFM that catches on the explorer. Even if the margin is sealed, the emergence profile is unacceptable.

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The more than 600 booths in the exhibit hall of the Vancouver Convention Centre, host site of the Pacific Dental Conference, will be filled with products and services offered by more than 300 exhibitors from March 6–7. Photo/Dental Tribune file photo

PDC expecting more than 300 exhibitors

Pacific Dental Conference, March 6–8, includes two-day exhibit hall, Thursday and Friday, March 6–7

AD

The 2014 Pacific Dental Conference, from March 6–8 (Thursday, Friday and Saturday) in Vancouver, British Columbia, will feature a varied selection of open C.E. sessions, hands-on courses and a live dentistry stage.

One registration fee gives access to all 144 open sessions, which means no pre-selection of courses is necessary.

More than 135 speakers, with topics of interest to the entire dental team

The variety of topics covered by more than 135 speakers means the entire dental team can access the latest information on dental technology, techniques and materials.

Speakers in the 2014 lineup include John Kois, John Cranham, Sergio Kuttler, Greg Psaltis, Ross Nash, Derek Mahony, Rob Roda, Louis Malcmacher, Bart Johnson, Jesse Miller, Rhonda Savage and Nancy Andrews.

With the University of British Columbia Faculty of Dentistry celebrating its 50th anniversary, the PDC will present the "UBC Speakers Series," with UBC alumni addressing a variety of topics.

The Live Dentistry Stage is back in the exhibit hall, with demonstrations on Thursday and Friday.

On Saturday, the "So You Think You Can Speak?" program features 50-minute presentations by speakers who responded to a call for presentations and were accepted by the meeting's scientific committee. A number of timely dentistry topics will be covered.

The exhibit hall promises to be busy with more than 300 companies projected to fill approximately 600 booths. Exhibition hours are 8:30 a.m. to 6 p.m. on Thursday and 8:30 a.m. to 5:30 p.m. on Friday.

Special hotel rates are available to attendees, with early booking recommended to ensure availability.

Reservations can be made directly with conference hotels via the links on *www.pdconf.com*.

(Source: Pacific Dental Conference)

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An attendee at the 2012 JDIQ meeting works on a pig jaw in a hands-on program with Dr. Pietro Di Batista and Dr. Michael Dib. Photo/Provided by Ordre des dentistes du Québec

JDIQ's exhibit hall is among Canada's biggest

225-plus dental companies to be in Montreal, May 23–27

AD

The 44th edition of the Journées dentaires internationales du Québec will take place from May 23–27 at the Palais des congrès de Montréal.

Hosting the Association of Prosthodontists of Canada

One of the biggest changes with the 2014 edition of the meeting is that the JDIQ will host the Association of Prosthodontists of Canada. Among the benefits expected from this joint venture, which also involves the Association of Prosthodontists of Quebec, will be a larger number of top speakers in implant and restorative dentistry — and a presence at the meeting of a larger number of prosthodontists from across Canada.

The annual meeting of the Ordre des dentistes du Québec continues to be one of the highest-attended dental meetings in North America. In 2014, meeting organizers expect to host more than 12,000 delegates from around the world.

More than 100 lectures and workshops in English and French

The meeting will feature a scientific program with more than 100 lectures and workshops presented in English and French. The JDIQ meeting is described by organizers as being Canada's most highly attended bilingual convention.

More than 225 exhibitors will occupy approximately 500 booths in the exhibit hall, making it one of the largest in Canada. The exhibition will be open Monday and Tuesday, May 26 and 27, and it will feature a continental breakfast on both days for the early risers as well as a wine and cheese reception to close out both afternoons.

Featured 2014 speakers already in the lineup include Drs. Dale Miles, Robert Langlais, Steven Olmos, Stephen Niemczyk, Manor Hass, Jonathan Bregman, Michael Di Tolla, Gerry Kugel, Karl Koerner, Joe Blaes, Jason Smithson, Brian Novy, Ken Hargreaves, Thomas Dudney, Robert Gutneck, Tieraona Low-Dog and James Mah, to name just a few.

For more information about the meeting, you can call (800) 361-4887, visit *www.odq.qc.ca* — or you can send an email to *congres@odq.qc.ca*.

(Source: Ordre des dentistes du Québec)

Greater New York Dental Meeting hits big numbers

Dr. Charles Braga performs a Laser Assisted New Attachment Procedure (LANAP) on the Live Dentistry Arena stage in the exhibit hall at the 2013 GNYDM. Photo/Robert Selleck, Dental Tribune

Tally for 2013: 54,629 attendees from every state and 131 nations

The recently concluded 89th Greater New York Dental Meeting registered 54,629 attendees, including 19,724 dentists from all 50 states and 131 countries. In addition there were 4,078 hygienists and 5,323 dental assistants. The meeting's exhibit hall featured more than 800 exhibitors in more than 1,600 booths.

ColLABoration, the event's new dental laboratory meeting, which was presented in partnership with Aegis Publishing, also posted strong numbers — described by meeting organizers as exceeding their expectations. There were more than 1,183 technicians and technician students, 50 exhibitor booths and two classrooms for seminars and workshops.

For the 2014 GNYDM, organizers are adding another new element to the event — the inaugural World Implant Expo, which will be held simultaneously with the Greater New York Dental Meeting, which is set to run from Nov. 28 through Dec. 3. The 2014 GNYDM exhibit hall dates will be Nov. 30 through Dec. 3.

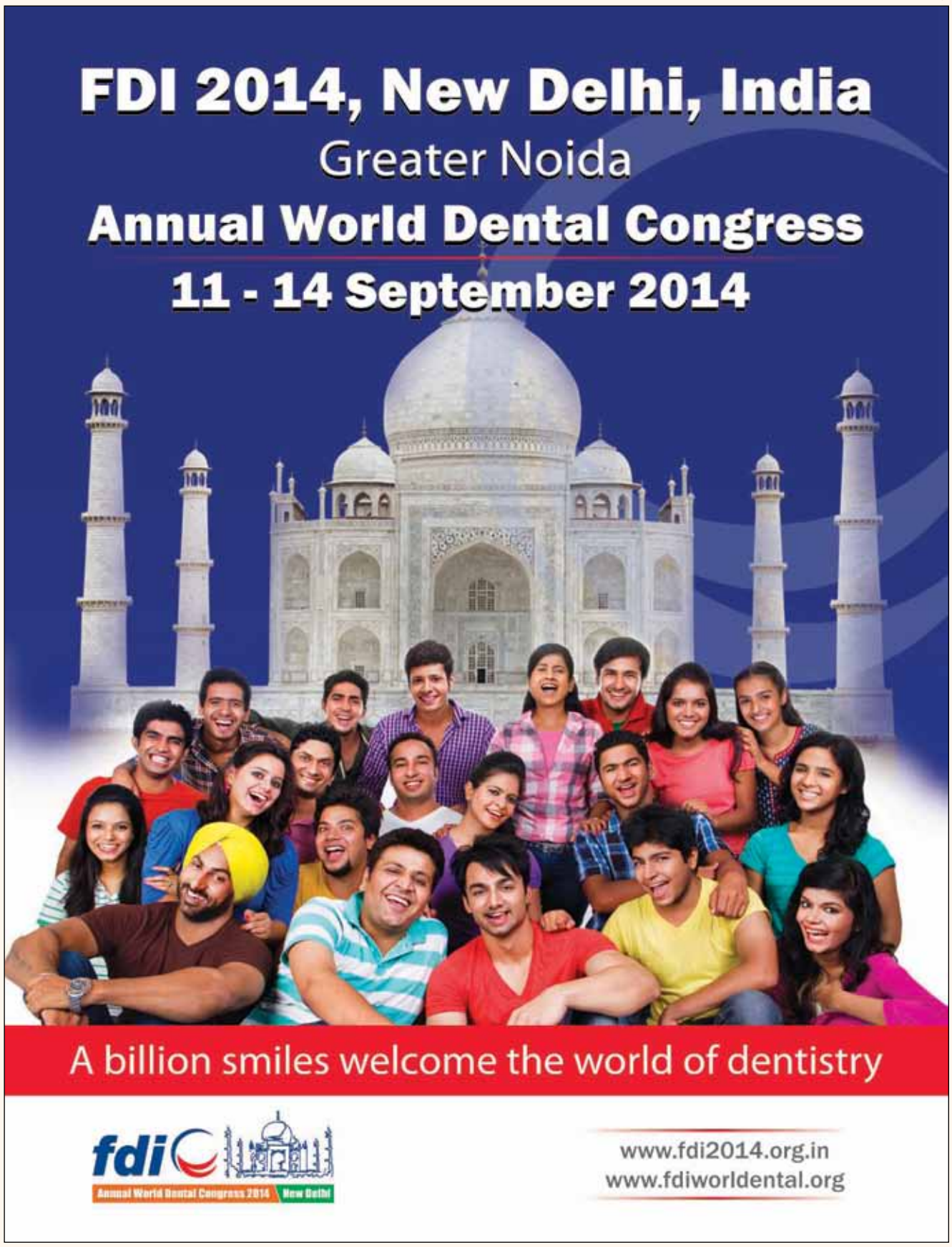
Never a preregistration fee

Again for 2014, the GNYDM, which is sponsored by the New York County Dental Society and Second District Dental Societies, will remain free of any registration fee.

In other attendance numbers compiled from the 2013 meeting, there were: 1,956 dental students, 1,066 dental assistant students, 864 dental hygiene students, 984 dental technicians, 199 dental technician students, 8,164 exhibitors, 194 non-exhibiting dental trade, 30 from the U.S. Dept. of Commerce, 4,294 administrative staff, 36 press and 7,717 guests.

With three major international airports — Newark Liberty (EWR), Kennedy (JFK) and La Guardia (LGA) — and with discounted hotel rates, it's no surprise so many professionals take advantage of the opportunity to keep pace with the profession and enjoy all that New York City offers during the holiday season.

Learn more at *www.gnydm.com*.

(Source: Greater New York Dental Meeting)

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