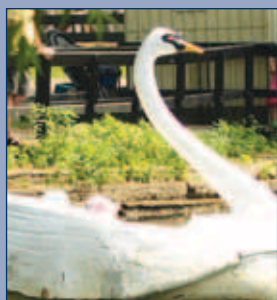


# today



### Explore Toronto

Electric-powered swan boats, GPS-guided tree tours, miles of paths – and no cars – provide nearby respite from energetic downtown.

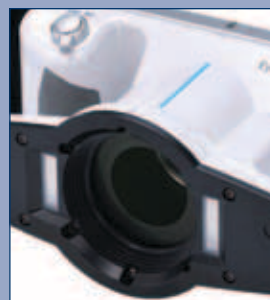
»page 2



### More dentists going electric

High-tech is making electric handpieces an increasingly popular choice among dentists across North America.

»page 6



### Smart camera designed exclusively for dentistry

Among the many high-tech advancements in the ADM exhibit hall, be sure to check out the EyeSpecial C-II.

»page 8



• In Toronto today at the Metro Toronto Convention Centre South Building, home of the Ontario Dental Association Annual Spring Meeting, are some of the industry's top innovators and imaginative thinkers – not just in the classrooms, but in the exhibit hall as well. (Photo/©iStock.com/Veni)

# Connecting point

## ASM exhibit hall filled with opportunity to connect with some of dentistry's most creative minds

■ It's not just via the lectures, courses and workshops at the 2015 Annual Spring Meeting that you can learn from some of dentistry's top minds. The Ontario Dental Association's annual meeting also presents the opportunity to meet one-on-one with some of the industry's most creative problem solvers – in the exhibit hall booths.

More than 300 exhibiting companies are here in Toronto at this 148th edition of the ASM. And the only reason those companies are here is to enable dental professionals to meet with key representatives face-to-face to see first-

hand how the latest advancements in dental products and services can improve patient experiences and results – and support dental-practice success.

The ASM exhibit hall enables you to touch, test-drive and compare the newest materials and technology in dentistry. And perhaps best of all, there is opportunity to meet directly with the people who best understand how the new materials and technology can most effectively be put to use.

Among the highlights: DENTSPLY Canada is here in booth No. 1503 with

a number of new products, including Nupro® Varnish, TPH Spectra and Prime & Bond® Elect. And, of course, you can learn more about its many other long-proven products. Also prominently featured is the new high-tech electric handpiece system, the Midwest E, powered by one of the market's smallest and lightest electric motors.

In booth No. 130, you can find Implant Direct, one of the industry's fastest-growing major dental implant companies. The company has earned a strong reputation for innovative prod-

ucts and fair pricing, with one of the top examples being all-in-one packaging that includes implant, coverscrew, healing collar and carrier/transfer. You can tell such thinking comes straight from dental professionals placing implants, because the packaging concept doesn't just make things more efficient chair-side, it also makes it easier to track actual, total treatment costs.

Another fast-growing operation is National Dental Inc., in booth No. 1028. The company's unique blend of prod-

\*see CONNECTING, page 2



# Exploring Toronto

■ Toronto's list of attractions is enticing: international cuisine, unique shopping venues, diverse cultural facilities and events, trails, parks, distinctive architecture and endless top-caliber entertainment.

Here is a nearby possibility, especially if the kids are with you.

Just getting to the Toronto Islands is enough of an adventure on its own, with a 10-minute ferry ride required as the first leg of the excursion. You catch the ferry at the Toronto Ferry Docks west of the Westin Harbour Castle Hotel at 9 Queens Quay W, between Yonge and Bay streets. Ferries travel to each of the three main islands, which are connected by bridges.

Many of the other smaller islands are accessible only by boat. There are plenty of ways to spend money on the main island, Centreville, including: a children's amusement park, children's garden, cafes, food vendors, canoe rentals and weekend bike rentals.

The islands are home to a community of about 800 people, who have the

\*see TORONTO, page 10



• Electric-powered swan boats are among the family-friendly attractions at Centreville Amusement Park on Toronto Islands. Other rides include a 1907 antique carousel, a windmill-style ferris wheel, the Saugreen Lumber Mill log flume ride, Aunt Hilde's twirling teacups, bumper boats and the Centreville Train. (Photo/Doug Brown, [www.torontowide.com](http://www.torontowide.com))

## CONNECTING \*from page 1

ucts and services always generates steady traffic. Among the offerings are the LightWalker Dual Wavelength Laser system (the only dental laser capable of delivering both ND:YAG and ER:YAG laser energy); the DocPort IO fog-free intraoral camera; the Ever-Clear mirror (doesn't need to be cleared of spray and debris during procedures); and the Carl Zeiss Cinemizer 3D Video Glasses (even if you're not yet ready to get them for your patients, you'll want to check them out for yourself).

Patterson Dental Canada is here, in booth No. 802/803, with its usual full representation of equipment and supplies to support every aspect of your practice.

Another industry leader in innovation is Septodont, in booth No. 1124. The company has a broad selection of products that reflect its more than 85 years of experience developing and manufacturing tools and materials for dental professionals. Its highly trained representatives are here to answer all of your questions about its anesthetics and pain-control products as well as adhesives, composites and restoratives.

Whether you're just wandering around or on a mission to link together your must-visit booths, the 75,000 square feet of exhibit hall space has more to offer than you'll ever be able to take advantage of. Today is your final opportunity, though, at least for the 2015 ASM, with the exhibit hall open from 9 a.m. to 5:30 p.m.



• More than 300 exhibiting companies are here at the Metro Toronto Convention Centre South Building for the 148th annual edition of the Ontario Dental Association Annual Spring Meeting. (Photo/Provided by Metro Toronto Convention Centre)

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# PIPS technique used in endodontics treatment

(Photos/Provided by Dr. Giovanni Olivi)

## Here in Toronto

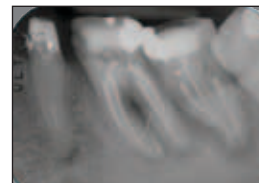
You can learn more about Photon Induced Photoacoustic Streaming and the Lightwalker AT laser device at the National Dental Inc. booth (No. 1028) in the exhibit hall.



• Fig. 1: Pre-op, before the PIPS treatment.



• Fig. 2: Post-op, after PIPS treatment



• Fig. 3: One month post-op



• Fig. 4: Four months post-op

By Prof. Giovanni Olivi, MD, DDS  
University of Genoa, Italy

■ A patient asked for the option to save her teeth that were scheduled for extraction by another dentist. The lower-left first and second molars had

high mobility (grade 2), were necrotic, with significant probing depths in the buccal aspect. The teeth were diagnosed for endo-perio treatment.

Difficulties with this case included complex radicular anatomy, long anatomical measurements (26 and 27 mm, respectively, for #36 and 37) and the

presence of a deep vertical bone loss in the buccal aspect. After scaling and root planning, the teeth were scheduled for root-canal therapy.

Before each treatment, the Photon Induced Photoacoustic Streaming (PIPS™) technique was applied into the periodontal pockets of each tooth for refining the debridement, removal of biofilm from the root surfaces and pocket disinfection. The root-canal treatments were performed using PIPS-specific irrigation protocols with 5 percent NaOCl and 17 percent EDTA.

The canals were obturated with a flowable resin sealer (Endoreze, Ultradent, South Jordan, Utah) and gutta-percha points. A final treatment of the pockets using PIPS for disinfection was performed after completing each root canal therapy to remove any extruded sealer or residual biofilm. No post-op symptoms were reported and the mobility of the teeth progressively disappeared up to grade 0. The follow-up X-rays performed after one and four months showed healing in progress for both the teeth.

Lightwalker AT laser device with contact H14-C handpiece and PIPS fiber tip was used for the treatment.

Lightwalker parameters:

- Laser source: Er:YAG;
- Wavelength: 2940 nm;
- Pulse duration: SSP;
- Energy: 15 mJ;
- Frequency: 15 Hz.

*Disclosure: Dr. Olivi has relationships with several laser companies (including AMD-DENTSPLY, Biolase and Fotona) but receives no financial compensation for his research or for writing articles.*

## About the author

Dr. Giovanni Olivi is an adjunct professor of endodontics at the University of Genoa School of Dentistry and a board member and professor in its master course in laser dentistry. He completed the postgraduate laser course at the University of Firenze and received laser certification from the International Society for Lasers in Dentistry. He earned advanced proficiency mastership from the Academy of Laser Dentistry and is the 2007 recipient of ALD's Leon Goldman Award for Clinical Excellence. He has a private practice in endodontics, restorative and pediatric dentistry in Rome. He can be contacted at [olivilaser@gmail.com](mailto:olivilaser@gmail.com).



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# New high-tech electric handpiece delivers ease, power and control

(Photo/  
Provided by  
DENTSPLY  
Canada)



## Here in Toronto

Test out the Midwest E Electric Handpiece in the DENTSPLY Canada booth (No. 1503) in the exhibit hall and receive a free gift compliments of DENTSPLY Canada.

## By DENTSPLY Canada Staff

Recent advancements in technology have made electric handpieces an increasingly popular choice among dentists across North America. Compared with traditional air-turbine instruments, electric handpieces pro-

vide the dentists with several benefits, including constant power and torque and adjustable bur speeds for a broad range of applications.

The Midwest E Electric Handpiece System is the latest electric handpiece system available on the market and includes the powerful Midwest E motor, which weighs only 59 grams and measures 1.25 inches – one of the smallest and lightest electric motors offered today. It is designed to deliver constant torque for smooth, quiet operation. It won't stall under load, which can help shorten chairtime and procedural efficiency. Autoclavable for easy infection control, the Midwest E motor features an "E" type attachment and spins up to 40,000 RPM.

At the heart of the system is an intuitive LCD touch-screen interface that lets users fine tune the speed, light and rotation to optimize performance for a variety of dental procedures – from caries removal to finishing and contouring to root canals. The faceplate is detachable for easy integration into delivery units.

Compact and lightweight to facilitate control and maneuvering, the Midwest E attachments are offered in high-speed, low-speed, endodontic and straight configurations. Color-coded for easy identification, the compact contra-angle attachments have a textured finish and ridges designed for an enhanced grip. All attachments feature high-quality components and are crafted from stainless steel to provide years of reliable service.

The Midwest E system also offers a field-replaceable hose, which helps avoid clinical delays due to service calls. Its stainless-steel connector is compatible with most dental units and the ergonomic 360-degree swivel feature increases operator comfort.

Whether it's operating in the high-speed, low-speed or endo settings, the Midwest E cuts quickly and efficiently. A quick-disconnect feature makes it easy to change attachments.

In endo mode, three torque-stop options are available, so it is an important feature for offices that perform endo procedures regularly – or for practices that plan to in the future.

The Midwest E comes with a three-year warranty on the system and a two-year warranty on attachments (extended to 30 months when attachments are maintained with the Midwest Automate Maintenance Unit).

Come and try the new Midwest E Electric Handpiece in booth No. 1503 in the Exhibit Hall and receive a free gift compliments of DENTSPLY Canada.

DENTSPLY Canada, based in Woodbridge, Ontario, can be contacted at (800) 263-1437, or you can visit the company online at [www.dentsply.ca](http://www.dentsply.ca).

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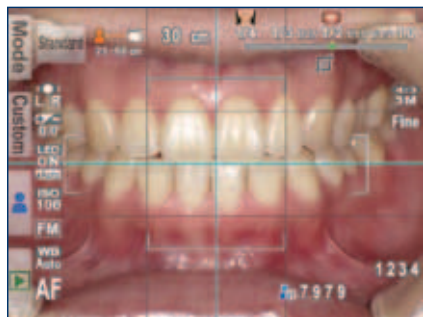
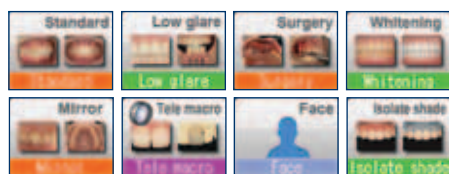
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Please consult the Product Monograph at: <http://www.hc-sc.gc.ca/dhp-mps/prodpharma/databasdon/index-eng.php>. for contraindications, warnings, precautions, adverse reactions, interactions, dosing, and conditions of clinical use. The Product Monograph is also available upon request: call 1-800-872-8305







• EyeSpecial C-II has eight shooting modes formatted specifically for quick, easy chairside use by any dental specialist. (Photos/Provided by Shofu Dental Corp.)

# Smart camera designed exclusively for dentistry

EyeSpecial C-II from Shofu Dental Corp.

## Here in Toronto

Visit Shofu Dental Corp. in booth No. 1902 to test out the EyeSpecial C-II.

■ The 12-megapixel EyeSpecial C-II digital dental camera, designed exclusively for dentistry, has eight shooting modes that are described by the company as being easier, faster and more reproducible to produce high-quality



• The EyeSpecial C-II has exceptional depth-of-field, fast autofocus and anti-shake — as well as infrared, UV and antireflection filters.

images. The EyeSpecial C-II offers a high performance 49-mm close-up lens, intuitive one-touch operations, an ultra-lightweight body design and a large LCD touchscreen that enables the user to view and scroll through images effortlessly, even with a gloved hand.

Designed to produce high-quality images, EyeSpecial C-II has exceptional depth-of-field range, fast autofocus and anti-shake capabilities — as well as infrared, UV and anti-reflection filters, according to the company. It is scratch- and scuff-resistant as well as water- and chemical-resistant, which are all essential for infection control in the operatory.

## Easy to hold with one hand

Ideal for dental/orthodontic photography, case presentations and at the bench in a laboratory, according to the company, the EyeSpecial C-II is extremely user friendly and can be held comfortably with one hand, freeing the other to manipulate a cheek retractor or mirror. Included with the EyeSpecial C-II is a 4-GB SDHC card, but the camera is also compatible with a wireless SD card, such as an Eye-Fi card, enabling images to be automatically transferred and uploaded onto a computer, tablet or smartphone.

The EyeSpecial C-II comes with the 4-GB SDHC card, four AA batteries, a high-performance Kenko 49-mm macro lens for close-up shots, computer connection cord and hand strap, flash calibration card, Shofu stylus and cleaning cloth as well as SureFile photo management software, which is available as a free download. This proprietary software enables the user to automatically sort and file images by patient name or ID number to save time.

Shofu's smart EyeSpecial C-II is designed exclusively for dentistry and adds consistency and efficiency to all your dental photography needs, according to the company.

For more information or educational videos, visit [www.shofu.com](http://www.shofu.com) or contact Shofu Dental Corp. at (800) 827-4638.

(Source: Shofu Dental Corp.)

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