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 at the first leg of the excursion. You catch the ferry at the Toronto Ferry Docks west of the Westin Harbour Castle Hotel at 9 Queen’s 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

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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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 (Endorez, 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.

By Prof. Giovanni Olivi, MD, DDS
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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.
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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 provide 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 chair time 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.
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Adults and Pediatrics (6 to 18 years of age): OraVerse (phentolamine mesylate) is indicated for reversal of soft-tissue anesthesia resulting from an intraoral submucosal injection of a local anesthetic containing a vasoconstrictor, following a non-invasive routine dental procedure. OraVerse is not recommended for use in children less than 6 years of age or weighing less than 15 kg (33 lbs).

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Smart camera designed exclusively for dentistry

EyeSpecial C-II from Shofu Dental Corp.

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

- 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 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 or contact Shofu Dental Corp. at (800) 827-4638.

(Source: Shofu Dental Corp.)
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Solutions for the problem-solving dental professional since 1948.
The Toronto Island Tree Tour includes 58 trees that are situated along the road that runs for 5 km from one end of Toronto Island to the other. Each of the trees has an identification plaque and a green marker on the sidewalk. You can also download a mobile app that includes GPS coordinates for each of the trees. (Map/www.CanadianTreeTours.org)

Toronto Island Tree Tour

Consistent with the car-free theme, one of the coolest things a visitor to the islands can do is take the self-guided Toronto Island Tree Tour, part of the Canadian Tree Tours program. You can download a sheet from www.CanadianTreeTours.org listing the tour’s 58 trees, or pick up a tour sheet at a tourism-brochure display.

All the trees have identification plaques. But even better, the tour sheets include GPS coordinates for each tree. So, to make it interesting, you can pick out a few that you’d like to hone in on, consult your smart phone, and make a beeline from tree to tree on your own self-guided mini-tour. Among the possible candidates: Kentucky coffee-tree, Swedish whitebeam, Japanese zelkova, London plane-tree, European larch and a Schubert cherry.

The trees are situated along the road that runs for 5 km from one end of Toronto Island to the other. The tour can be accessed from Hanlans Point at the west end, Wards Island at the east end, or at Centre Island where the tour loops through the Avenue of the Islands.

Each of the 58 trees has an identification plaque and a green marker on the sidewalk.

(Sources: Tourism Toronto, TorontoHarbour.com, TorontoWide.com and Canadian Tree Tours)