Scenes from Thursday

* Stop by the Kuraray booth, No. 1820, to pick up a free tote from Michelle Nichols, left, or Lori Ann Tenn.

* In the Dental Fix Rx booth, No. 149, John Walters demonstrates his Compact Platform adaptive dental-chair device, which enables a patient to remain in a wheelchair that can be positioned in an ergonomically correct location for the practitioner. This is the first year for the product to be available in Canada.

* Learn about the Planmeca CALM technology in booth No. 129 and how it compensates for patient movement during scanning without comprising clarity of the diagnostic image.

* In the SciCan booth, No. 1029, Shauneen Ryan demonstrates one of the company’s BRAVO chamber autoclaves. Its closed-door drying and post-vacuum technology speeds up drying time compared with other chamber autoclaves.

* Cliff Magneson can guide you through the features and benefits of the Fotona LightWalker dual-wavelength laser system in the National Dental Inc. booth, No. 1329.

* From left. Corinna Prochner and Lisia Malcolm in the Dentsply Sirona booth, No. 443, encourage everybody to check out the model of the SphereTEC Filler Technology that’s behind the company’s new TPH Spectra ST universal Composite Restorative. The model is sculpted entirely of chocolate.

* From left in the Shofu booth, No. 1203, Billy Ho, Sarah Bermel and Dan Christensen with just a few of the company’s many products.

* Marty O’Rourke, on right, of Designs for Vision, helps Dr. Hansel Liang of Surrey try out a pair of Nike Skylon Ace 2.5-magnification loupes, which use the Through-The-Lens magnification technology invented by the company. Founded in 1961, Designs for Vision commands about 50 percent of the North American market.

Photos by Robert Selleck, today Staff
INTRODUCING
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When it comes to successful restorations, you know what truly matters. Isn’t it time for a composite that does too?

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In the Septodont booth, No. 1422, Deb Dickson, Suzanne Bourque and Manuela Robertson.

Steve Kim has files for you in the DiaDent booth, No. 1522.

In the ClaroNav booth, No. 105, from left, Dr. Mark Kwon demonstrates the dynamic surgical navigation system referred to as ‘Trace and Place’ as Darrell Cook of ClaroNav observes. The system was developed by ClaroNav.

Assisted by Mike Rogozinski, on the left, a group of dental assistants from the OMS Group of three offices in the Vancouver area consider which glove samples to select from the Ansell booth, No. 1725.

Stop by the KaVo booth, No. 911, to visit with Elena Shvartsberg or Greg Bedik to learn more about the Dexis FS Ergo intraoral X-Ray sensor, and see for yourself just how comfortable it will be for your patients.

Brad Cox of Dental Fix Rx, the exclusive distributor in Canada of the Fluoresce HD handpiece by Lares Research, is ready to demonstrate the dual-wavelength feature in booth No. 149. The light on the handpiece shows caries, restorations and healthy dentin as different colors.

Vida Porra, a certified dental assistant from Richmond, tries to sink one in at the Sable Industries booth, No. 955, where it’s possible to putt your way into entry for a drawing for a year’s supply of BioPure for eVac maintenance or between patient flush.

Learn about the Myobrace and myofunctional orthodontics and the Myosa Myofunctional sleep appliance from June Williamson in the Myofunctional Research booth, No. 1854.
BIG on small DETAILS

Discover the outstanding MICROTOUCH® DENTA-GLOVE® examination gloves. Your customers are focused on the small details that deliver amazing patient experiences. At Ansell, we’re big on delivering gloves that help with improved dexterity, ergonomics and the health of your hands. Certified for use in oral procedures for patient safety and peace of mind. Your customers won’t want to let go of these gloves!

Visit us at the 2018 Pacific Dental Conference Booth #1725 to get FREE SAMPLES of all of our Ergonomic products.

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EyeSpecial adds features for faster and easier use

Pre-programmed shooting modes enable digital camera users to navigate through tasks without extensive photographic skills or experience.

By Shofu Dental Staff

According to Shofu Dental, capturing high-quality clinical photographs in a predictable and consistent manner has been the hallmark of EyeSpecial C-2, the first digital camera designed exclusively for dentistry.

A third-time recipient of the prestigious Cellerant’s Best in Class Technology Award, the EyeSpecial C-2 captures images for case documentation, diagnosis and treatment planning, patient communication and education, insurance verification, legal documentation and dental lab collaboration.

Proprietary to Shofu’s camera are dental-specific, pre-programmed shooting modes that enable clinicians, assistants, hygienists and dental laboratory technicians to navigate through their photography tasks without the need of extensive photographic knowledge or experience.

For instance, in order to record orthodontic photographs with the EyeSpecial camera, an operator will just need to select the button corresponding to FACE MODE to capture extraoral images.

In a similar method, an operator will choose STANDARD MODE to achieve anterior and buccal intraoral photographs, and MIRROR MODE to accomplish occlusal pictures.

When combined with a draw/edit function, which allows for making notes directly on images, this attribute may be of a value for an effective treatment evaluation or a discussion about the progress or challenges in a treatment modality.

Engineered to provide functionality, the ultralight (weighing ca. 1 lb) EyeSpecial camera complies with the most stringent infection control protocols.

The heavy-duty camera’s body is water-, chemical- and scratch-resistant, and it can be swiftly disinfected with a sterilizing towelette, virtually eliminating the possibility of cross-contamination.

The latest model of this smart camera, the EyeSpecial C-3 is packed with plenty of milestone upgrades, including a larger sensor, a faster processor, optimized software and a higher resolution LCD screen, all of which will help the entire dental team achieve their photography tasks in a more intuitive, faster and easier fashion, the company asserts.

For a live camera demonstration and to learn how the new EyeSpecial C-3 can improve communication with your dental laboratory and patients, stop by the Shofu booth, No. 1203.
NEW **Micro4.5 EF Scopes™**
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Revolutionary prismatic design
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Maximum peripheral vision

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Revolutionary prismatic design
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NEW **LED DayLite Micro HDi**
High Definition Imaging – HDi provides uniform light distribution with 45% more light

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WE’VE EXPANDED – Note our NEW ADDRESS
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Booth # 1719

Pacific Dental Conference
Open and say ahhhhhh

MICRO-TOUCH DENTA-GLOVE series designed just for dentistry

By Ansell Staff

Ansell, a global leader in protection solutions and maker of the popular Microflex® and MICRO-TOUCH® examination gloves, has launched its MICRO-TOUCH DENTA-GLOVE series, a highly-diversified portfolio of dental examination gloves, which according to the company outperform the competition.

MICRO-TOUCH DENTA-GLOVE is the first series of examination gloves developed specifically for the needs of dental professionals, according to Ansell.

Specifically certified for oral examinations

All products in the series are certified for use in oral examinations for patient safety and peace of mind and are designed with the most advanced film technologies to meet the unique and demanding needs of the dental profession, the company asserts.

The products are tested for biocompatibility, and some feature inner coatings to promote hand health.

For more details about MICRO-TOUCH DENTA-GLOVE examination gloves or to request a free sample, you can visit the company at booth No. 1725 or go online to www.ansell.com/DentaGlove.

Six files, one system, reliable results

By DiaDent Staff

Introducing DiaDent’s new heat-treated nickel titanium rotary file system – Dia-X Files.

With its progressive taper design and cutting efficiency, the new Dia-X Rotary Files offer precision, flexibility, safety and reliable clinical results, according to DiaDent, the company behind the product. It provides 143-plus percent the resistance to cyclic fatigue than Dia-PT Rotary Files.

Dia-X Files feature the same exact geometries as Dia-PT Rotary Files; however, the heat-treated nickel titanium construction offers extreme flexibility and durability, according to the company.

With Dia-X Rotary File's convex triangular cross-section, it reduces rotational friction and contact with the canal wall. The heat-treated surface is also coated, providing high corrosion resistance. Dia-X Rotary File’s handle is only 11 mm in length, offering improved accessibility to teeth. Its flat-noncutting file tip efficiently removes debris and soft tissue. Dia-X Rotary File is highly integrable as it is designed to work with your current technique and system.

The Dia-X File system features just three shaping files and three finishing files (Dx, D1, D2, D3, D4 and D5). The Dx file has a length of 19 mm, providing excellent access in restrictive and hard-to-reach areas, the company asserts. It has a much faster rate of taper than D1 and D2 files, so it can optimally shape canals in shorter roots and produce desirable shapes in the coronal section of longer canals.

The shaping files have increasingly larger tapers over the length of the cutting blades so that each file can engage, cut and prepare a specific area of the canal. The D1 file is designed to expand the glide path and prepare the coronal third of the canal, whereas the D2 file can enlarge and prepare the middle third. They are designed to create glide path and remove debris efficiently, even in calcified or severed curved canals.

D3, D4, and D5 are the finishing files and have yellow, red and blue identification rings. These finishing files have a decreasing rate of taper to improve flexibility and safety by reducing the potential for dangerous taper lock. Usually only one finishing file is needed to prepare the apical third of a canal. All Dia-X Rotary Files have depth markings on the blade to save chair time. Use the perfect shape-matching DiaDent Dia-Pro T Gutta Percha and Paper Point to complete the obturation.

To learn more about the Dia-X File system, stop by the booth, No. 1522. You can pick up a brochure and a sample while you are there.

To learn even more about the MICRO-TOUCH DENTA-GLOVE examination gloves and to get free samples, you can visit Ansell in booth No. 1725. You can also visit the company online at www.ansell.com/DentaGlove.
Fast and Dry
The perfect pair for your practice.

BRAVO™ Chamber Autoclaves

STATIM® G4 Cassette Autoclaves

Fast Cycle Times

STATIM 2000 G4 unwrapped cycle times are the world's fastest at 6 minutes.*
STATIM 5000 G4 can complete unwrapped cycles in as little as 9 minutes.*

BRAVO 17V and 21V are two of the fastest chamber autoclaves on the market, sterilizing and drying instruments in 35-40 minutes.

Dry

BRAVO’s closed door drying and post vacuum technology is able to dry faster than other chamber autoclaves. Wrapped cycles, including drying, can be completed in 35-45 minutes.

STATIM 2000 G4 wrapped cycles, including drying, can be completed in 35 minutes
STATIM 5000 G4 wrapped cycles, including drying, can be completed in 40 minutes.

*Does not include drying.

Learn more at www.scicancanada.ca/theperfectpair
Periodontal tissue regeneration has been demonstrated to be promoted either when the Nd:YAG laser or Er:YAG laser is being used individually as an adjunct to mechanical therapy. The same or presumably even better result is expected when both laser therapies are performed in combination using the TwinLight® protocol. My clinical experience confirms this conclusion: Bone regeneration is observed as one of the positive outcomes of the LightWalker® laser TwinLight treatment.

In this paper, I report on one of my more difficult cases, in which the periodontal TwinLight laser treatment was additionally combined in tandem with the endodontic PIPS® laser treatment, both exclusively available with the LightWalker dental laser.

Radiographs taken before and three-years post-op demonstrate significant bone regeneration. My clinical experience confirms the conclusion of a recently published five-year retrospective study that concluded that bone regeneration is observed as one of the positive outcomes of the TwinLight treatment.

Case
A 72-year-old male in otherwise good health presented with an endo/perio lesion of the mandibular left second molar (Fig. 1).

The tooth was the distal abutment of a four-unit fixed partial denture. The patient’s chief complaint was soreness to chewing pressure and a chronic dull ache on the left side of his jaw. He had recently seen his family dentist and an endodontist, both of whom had advised him the tooth was hopeless. A single appointment of 1.5 hours included PIPS laser endo, TwinLight periodontal treatment and bridge repair.

Conclusion
It is the author’s contention that the success of this case can be attributed largely to the gentle nature of the TwinLight and PIPS treatments available in tandem with the Fotona LightWalker laser.

Traditional root-canal treatments and periodontal surgery both create a great deal of mechanical stress on the periodontium as endodontic instruments engage dentin within the canals, and scalers and ultrasonic instruments debride and root plane the diseased cementum. Laser energy does not create mechanical stress, and its bactericidal nature as it works within the canals and on the perio defect is an additional benefit. The radiographs taken before and three-years post-op demonstrate significant bone regeneration following the combined TwinLight laser periodontal treatment.

Restoring a fixed-bridge abutment with advanced endo/perio bone destruction using TwinLight periodontal and PIPS endodontic treatment

By Steven Abernathy, DDS
Jonesboro, Ark.

Next-generation laser enables new procedures, reduces complications

Fotona LightWalker from National Dental Inc.
**Technology changing patient education**

Technological advancements are perpetual catalysts for changes that continue to transform the way we operate on a daily basis. For progressive practitioners, the constant wave of new technology provides an auspicious opportunity to increase prosperity and experience substantial benefits in other areas.

For decades, dental practitioners have been pigeonholed to tediously repetitive practices such as the monotonous treatment of caries and removal of plaque buildup. Despite this, the prevalence of malocclusion in modern children is approaching 100 percent, and this growing incidence is enabling dentists to widen their scope of practice with the prospect of providing biological-based orthodontic treatment for children.

Additionally, the recognition of sleep-related breathing disorders in dental patients is increasing, with recent research finding a relationship between the prevalence of malocclusion and dysfunctional breathing.

With this in mind, practitioners looking to diversify their pediatric treatment options in the increasingly competitive market that is modern dentistry should consider the benefits modern technology can offer. The implementation of eLearning tools in classrooms has produced a generation of students that feels comfortable using screen-based technology for self-directed learning and appreciative of the low-pressure environment it offers.

Senior Myobrace Educator Jessica Maidman is an advocate for patient education through the use of digital learning tools, and she considers the patient’s first encounter with The Myobrace System an important stepping stone for ongoing education and compliance.

“As an educator, I use our Myobrace apps to deliver information to my patient in a child-friendly manner. It helps them understand the causes of their developmental issues, as well as the need for early intervention and corrective treatment,” Maidman said. “I have learned that children respond much better to learning from new and interesting technologies rather than an authoritative figure such as a dentist. The results are much more consistent because the information is being delivered the same way each and every time.”

Myofunctional Research Co. (MRC) provides eLearning software in all major digital platforms, enabling simple implementation for almost any practice. Taking advantage of these modern technologies enables any practice to transform into a tech-savvy environment that has an edge over competitors.

**Solvent for root canal sealers reduces risks tied to use of power-driven instruments during mechanical desobturation**

Aids in removal of eugenol- and resin-based root canal sealers

By Septodont Staff

- Septodont recently announced the availability of its Endosolv solvent for root canal sealers.

Endosolv aids in removal of zinc-oxide eugenol-based and phenolic resin-based root canal sealers.

According to the company, the solvent reduces risks associated with the use of power-driven instruments during mechanical desobturation. Endosolv replaces Endosolv E and Endosolv R — one product for both eugenol- and resin-based root canal sealer removal. Endosolv comes packaged in a 13 ml bottle and has a 36-month shelf life.

When ordering, you can refer to item No. 01E0400. The wholesale price is $27. The suggested retail price is $45.

Septodont is based in Cambridge, Ontario and can be reached at (519) 623-4800, (800) 647-0643 or online at www.septodont.ca.

Reference


(Source: Myofunctional Research)
COMBINING TMJ, OSA & MYOFUNCTIONAL ORTHODONTICS
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Billed as more than just a movie experience, the FlyOver Canada attraction is described by its creators as feeling more like a “ride” than a movie.

Indeed, your “chair” ends up being suspended, leaving your feet to dangle, as you’re enveloped by the giant 20-metre spherical screen for an eight-minute journey flying at low altitude across Canada, all while encountering special effects of wind, mist and scents.

The $16 million attraction, 2.5 years in the making, opened in the summer of 2013. The total experience lasts 30 minutes, comprising three 10-minute parts.

Part 1 is the preshow “Uplift,” a fully immersive audio-visual installation designed to build anticipation prior to the main ride. Part 2 is the preboarding zone, with an entertaining preflight safety video. Part 3 is the feature ride where you soar across Canada feeling the grandeur of the nation and the exhilaration of flight.

The FlyOver Canada film was shot during the four seasons of 2012 in all corners of Canada, including Niagara Falls, Ontario’s Muskokas and iceberg alley off the coast of Newfoundland, to name just a few of the locations.

British Columbia is well-represented, too, with scenes from Lake Magog in Mt. Assiniboine Provincial Park; helisking near Bella Coola; Blue Mountain Winery and vineyards near Okanagan Falls; Canada Place in Vancouver; a seaplane in the lower mainland; and First Nations water travel in Tofino.

(Source: FlyOver Canada)