Innovation everywhere

By Robert Selleck, today Staff

With many attendees celebrating the meeting’s informal theme, there were lots of blue jeans to be seen here in Vancouver on Thursday — the first full day of events at the Pacific Dental Conference. Perhaps the only thing in greater supply than denim was the innovation.

The early-in-the-year scheduling has long made the PDC a preferred venue for dental companies to reveal their latest products and services, and 2018 is no exception with numerous innovations on display in the Exhibit Hall.

In the Dentsply Sirona booth, No. 429, you can learn more about the company’s TPH Spectra ST universal composite restorative, which is based worldwide and is a part-time faculty member at the University of Manitoba. He has published more than 60 papers in peer-reviewed journals.

More top speakers coming up today and Saturday

The range and scope of educational sessions and speakers continues today and Saturday with a full agenda of presentations and hands-on courses. Looking at the mix of speakers, among your many choices are:

- Rodrigo Sanches Cunha, DDS, PhD, FRCD(C), is a board certified endodontist in Winnipeg, and since 1995, he has maintained a private practice limited to endodontics. Cunha has lectured extensively worldwide and is a part-time faculty member at the University of Manitoba. He has published more than 60 papers in peer-reviewed journals.
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Live dentistry continues today in Exhibit Hall

The two live dentistry sessions in the Exhibit Hall yesterday attracted the usual capacity crowds, with observers spilling out beyond the designated sitting area. The Live Dentistry Stage is sponsored by A-dec and Sinclair, and each demonstration also has co-sponsors.


In a second session yesterday, Mark Kwon, DMD, and Mark Lin, DDS, FRCD(C), presented “3D Digital Navigation Live Implant Surgery,” co-sponsored by BioHorizons Canada.

There are three more sessions scheduled for today.

At 8:30 a.m., Bobby Birdi, DMD, Dip Perio, Dip Pros, FRCD(C), FACP, DABP, and Ron Zokol, DMD, present “Today's Tooth In One Day: Digital Anterior Immediate Implant Placement,” co-sponsored by Nobel Biocare Canada.

At 11 a.m., Sonia Lezzi, DDS, Dipl Perio, FCDS(BC), FRCD(C), presents “Digital Dentistry and the Small Implant Bridge. How, Why, Everywhere,” co-sponsored by BioHorizons Canada.

At 2 p.m., Jonathan Ng, DDS, MSc, Dip Pros., FRCD(C), presents “How Digital Dentistry Makes Life Better: Bridging Dentist and Lab Communication,” co-sponsored by Henry Schein.

On Spheretec filler technology, a proprietary method of manufacturing microsized, well-defined spherical superstructures, composed of submicron glass.

The company asserts that the breakthrough technology makes the material easier to place, shade-match, finish and polish— and it's more resistant to staining and wear.

In both No. 149, Lareo Research’s exclusive Canadian distributor Dental Fix Rx, can show you the Fluresce HD handpiece, which is described as being “the world’s first dual-wavelength handpiece system.”

It has a light at the head that switches between normal white LED light and Fluoresce HD 405 nm LED light, which causes caries to fluoresce red, restorative material to glow yellow and healthy tooth to show as light green.

In both No. 105 you can see the instrument described by one clinician as “a revolutionary paradigm shift in dynamic surgical navigation.” ClaroNav developed the navigation technology called “Trace and Place,” labeling it Navident 2.0. Dr. Mark Kwan used the device on the Live Dentistry Stage Thursday while performing “3D Digital Navigation Live Implant Surgery,” with narration by Dr. Mark Lin.

In the ClaroNav booth earlier in the day, Kwon said that among the device’s biggest benefits is its low barrier to entry. “It is so, so, simple compared with other systems,” Kwon said. “You just take a CBCT scan, load it up and you’re good to go.”

That reduces exposure to the patient, and means a clinician could even work with a recent CBCT scan the patient might bring from another source to assess surgery options.

Kwon also noted that he’s able to perform a virtual surgery in advance as a practice session, so he knows exactly what he will be doing with the patient at the time of actual surgery.

That’s just a hint at the scope of innovative products and services on display in the PDC Exhibit Hall. Today is your final chance to keep exploring, with the hall set to close at 5:30 p.m.
and is a reviewer for the International Endodontic Journal and the Journal of Endodontics. From 8:30-11 a.m. today, Cunha will present “Twenty-First Century Endodontics: Incorporating Technology in Your Daily Practice.” From 1:30–4 p.m., he will present the identically titled hands-on component.

• **Tom Colquitt**, DDS, has had a private practice in Shreveport, La., since 1970, where he has long had a focus on airway-centered dentistry. He has been an adjunct professor in the Sleep Fellowship Program at LSU-HSC medical school in Shreveport since 2007, where he annually covers the airway from a dental perspective for the departments of sleep, neurology and pediatrics. From 8:30–11 a.m. today, he will present “A Dentist’s Perspective on a Lifetime of Dysfunctional Breathing...Including Mine.”

• **David Hornbrook**, DDS, FAACD, FASDA, is a respected clinician and product researcher turned mentor who guides meeting participants to the realization that they, too, possess the ability to practice esthetic dentistry at the highest level. One of dentistry’s most recognized faces and a pioneer in live-patient, hands-on clinical education, he is the founder/director of LVI, Pac-live and the Hornbrook Group. Today from 8:30–11 a.m. and continuing from 1:30–4 p.m., he will present “Creativity with the New Ceramics.”

• **William Nudera**, DDS, Diplomate American Board of Endodontics, earned his DDS from the University of Illinois in 1999. After serving in the U.S. Air Force, he completed his endodontic training in 2005. Nudera has a full-time private practice in Chicago and holds a faculty position in the department of endodontics at the University of Illinois at Chicago. He is the author of several endodontic publications. Today from 8:30–11 a.m., and again on Saturday from 12:30–3 p.m., he will present “Predictability Through Uniformity.”

Today, from 1:4 p.m., he will present “How Big Should I Take This Canal?” On Saturday from 9–11:30 a.m., he will present “CBCT in Endodontics and Selective Root Retreatment: A Conservative Alternative.”

• **Peter Jacobsen**, DDS, lectures extensively on dental pharmacology, dental management of medically complex patients and lifestyle medicine. His information is practical and clinically relevant for dentists and hygienists. Jacobsen’s presentations are known for being entertaining, lively and enjoyable. Today from 9–11:30 a.m. and repeating from 2–4:30 p.m., he will present “Drugs Bugs and Dental Products, What to Prescribe!”

• **David Clark**, DDS, founded the Academy of Microscope Enhanced Dentistry and is a board member and lecturer for Clinician’s Report. He lectures internationally and wrote the first guide to “enamel and dentinal cracks at 16x magnification.” He is a key opinion leader in endodontics, minimally invasive dentistry, biomimetic endodontic shaping and restorative dentistry. He developed the Bioclear Matrix System. Today from 8:30–11 a.m., he will present “I Can See Your Crack From Here – The Epidemic of Cracked Teeth.” Also today, from 1:30–4 p.m., he will present “Better, Faster, Prettier Composite,” with its follow-up hands-on component being presented from 9–11:30 a.m. on Saturday.

(Photos/Provided by PDC)
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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.

Marty O’Rourke, on right, of Designs for Vision, helps Dr. Hansel Liang of Surrey try out a pair of Nike Skyon 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.

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.

Photos by Robert Selleck, today Staff
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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.
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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.

Incorporating intuitive, high-tech functions tailored specifically for dentistry, the EyeSpecial camera is designed to handle dental applications without requiring any retrofitted add-ons. Specifically, one of the more useful features of Shofu’s camera is the ISOLATE SHADE MODE, which instantly grays out the gingival tissue to improve visual spicacity for accurate shade analysis and communication with a dental laboratory technician.

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.

Equipped with a cropped-frame, high-resolution sensor and ultra-innovative FlashMatic module, a proprietary system of ring and dual-point flashes, Shofu’s camera demonstrates true-color reproduction and an exceptional depth-of-field range, according to the company.

Here at the PDC

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.

The EyeSpecial also possesses anti-shake attributes that ensure clear images with each use. The panoramic LCD screen of the camera is larger than displays and viewfinders of typical digital single-lens reflex (DSLR) and point-and-shoot cameras, and it can be operated with a gloved hand.

The screen employs gridlines that facilitate a proper image alignment, helping reduce the risk of photographing patients at an incorrect angle.

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, please visit Shofu’s booth, No. 1203.
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Micro4.5 EF Scopes™
4.5x expanded field magnification now in our lightweight design
44% Smaller and 44% Lighter
Revolutionary prismatic design
44% Smaller and Lighter
Maximum peripheral vision

Micro3.5 EF Scopes™
The lightest 3.5x expanded field loupes you can wear all day
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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 removes debris and soft tissue. 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 removes debris and soft tissue.

The shaping files have increasing 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.

The shaping files have increasing 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.

A brochure and sample can be requested by contacting DiaDent by phone or email or stopping by the booth, No. 1522. You can pick up a brochure and a sample while you are there.

Here at the PDC

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.

Here at the PDC

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.

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*Does not include drying.

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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.
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Ordre des dentistes du Québec

Dentists. Doctors who put a spotlight on your oral health.
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.1

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.

Reference

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.
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FlyOver Canada

Use your Pacific Dental Conference name badge for discounted tickets

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)

AD

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- 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).

Please consult the Product Monograph at: http://www.hc-sc.gc.ca/dhp-mpcs/prodpharma/databaseon/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

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