Sensodyne Repair & Protect: A layer of protection for dentin hypersensitivity

By Sensodyne Staff

Dentin hypersensitivity, defined as “a transient tooth pain, characterized by a short, sharp pain arising from exposed dentin in response to a stimulus that cannot be attributed to any other form of dental defect or pathology,” is a common condition that affects about one in three adults.

The dentin, a softer mineral layer that lies beneath the tooth enamel, is filled with tiny tubules. In dentin hypersensitivity, these dentin tubules are exposed because of either gum recession or enamel loss.

The most widely accepted explanation for dentin hypersensitivity, the hydrodynamic theory, states that stimuli like hot or cold foods and drinks cause fluid to move within the exposed dentin tubules, triggering the pulpal nerves and causing pain. Dentin hypersensitivity can cause significant discomfort and inconvenience for sufferers.

Sensodyne Repair & Protect, a desensitizing toothpaste

Sensodyne® Repair & Protect is a toothpaste from Sensodyne, the No. 1 recommended brand for sensitive teeth.1

With twice daily brushing, Sensodyne Repair & Protect forms a durable layer over and within dentin tubules, sealing them shut to prevent stimuli from triggering dentin hypersensitivity.1,2

Sensodyne Repair & Protect builds a robust layer over and within dentin tubules.1,2 The layer starts to form from the first use and continues to build with twice daily brushing. The layer formed is resistant to removal by dietary acids.3

In an in vitro study, a dentin surface faced with the Repair & Protect reparative layer in place was exposed to a cola drink for two minutes and then 10 minutes. Even after 10 minutes, the layer remained intact, demonstrating its ability to withstand typical daily challenges.4

With twice daily use, Sensodyne Repair & Protect delivers effective, lasting relief from the pain of dentin hypersensitivity

Sensodyne Repair & Protect is clinically proven to relieve dentin hypersensitivity.3 In a clinical study, it delivered significantly reduced sensitivity in response to tactile and evaporative sensitivity challenges at four and eight weeks, for a 212 percent improvement over baseline at eight weeks.

At both time points, the reduction in sensitivity achieved with Sensodyne Repair & Protect was significantly greater than that achieved with a standard toothpaste.3

Sensodyne Repair & Protect helps to prevent stain buildup

Sensodyne Repair & Protect toothpaste is formulated with a high pellicle cleaning ratio (PCR) relative to its relative dentin abrasivity (RDA) level. This gives it good cleaning performance and helps to prevent stain buildup. In a clinical study, Sensodyne Repair & Protect was shown to help prevent buildup of extrinsic stain following professional prophylaxis, with a cleaning performance comparable to a standard toothpaste.5

As well as helping to prevent buildup of stain, Sensodyne Repair & Protect has been shown to help remove established staining and is, in fact, comparable to a marketed whitening toothpaste at removing natural surface stain.6

A layer of protection from Sensodyne

The advanced stannous fluoride and sodium tripolyphosphate formula of Sensodyne Repair & Protect builds a durable, acid-resistant layer over exposed dentin without causing tooth staining.1,3,7 This layer blocks painful stimuli from reaching the nerve to deliver clinically proven sensitivity relief.3

Recommend Sensodyne Repair & Protect to patients looking for an alternative to their current daily desensitising toothpaste.

References

7. GSK data on file 2011.
Nite-Guide®
5-7 years

Occlus-o-Guide®
8-12 years

Dr. Earl O. Bergersen, Inventor
Dr. Vivian Kleinerman
Presentations at Booth

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Worn 2-3 hour per day
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Broadview Networks, a leading provider of cloud-based business communications services, was selected to upgrade the David R. Brown, DDS, dental practice communications system with OfficeSuite Dental™. The new system integrates industry-leading Dentrix G5 practice management software from Henry Schein and OfficeSuite®, Broadview Networks’ award-winning cloud-based business phone system, to provide an all-inclusive communications system specifically designed for dental practices.

When Dr. Brown of Yakima, Wash., decided his practice needed a new phone system to streamline communications, his office manager, Katrina Vickers, conducted research to identify the most comprehensive solution that would meet Brown’s practice needs. She knew the practice needed a solution that was optimally efficient for staff, cost effective for Brown and would aid the staff in improving the patient experience.

OfficeSuite Dental allows practice staff to efficiently prioritize phone calls, schedule appointments and even collect outstanding balances. With OfficeSuite Dental, an automatic pop-up window is triggered on the practice PC when a patient calls. This window displays important patient records, including family history, appointments and clinical details, prescriptions and account balance information.

This helps dental practice staff members improve employee efficiency by having the most relevant information at their fingertips. It also helps enhance patient satisfaction by avoiding data entry errors and reducing the amount of time spent on the phone during routine calls.

The new system improved the way Brown’s front desk operates and the ease with which staff are able to service customers.

“OfficeSuite Dental definitely helps improve our patient care and our correspondence by making everything so much quicker,” Vickers said. “We are able to remind patients about account balances, scheduled appointments and inform them of upcoming family member appointments. We are able to be so much more thorough in our conversations, rather than constantly putting patients on hold to reference such information.

“I would absolutely recommend OfficeSuite Dental to any office because it has saved us so much time and effort in the easiest ways,” she said. “I just couldn’t be more pleased with the product and with the customer service.”

To learn more, visit OfficeSuite Dental.com. OfficeSuite Dental is available through Henry Schein, and Broadview phone systems are available as part of the Henry Schein TechCentral portfolio of computer and business technology solutions.
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SPECIALS EXPIRE January 4, 2014
877-373-8904 ~ 9287 Ninth Street Rancho Cucamonga, CA 91730 ~ www.dowelldentalproducts.com
By Allen S. Honigman, DDS, MS

An 84-year-old male presented on Oct. 29, 2012, with inflammation and minimal attached tissue on the buccal aspect of implants at the #17 and #18 sites that had been placed more than five years earlier. The patient wore an implant-supported maxillary denture. The patient underwent regular hygiene maintenance approximately every three months, and no other treatment had been performed.

At #17, bone loss to the sixth thread was noted mesially and distally; at #18, bone loss to the third thread was noted mesially and distally. The patient had experienced little pain for a couple of months. The patient’s medical history included seasonal allergies, respiratory and sinus problems, glaucoma, bruxism and HBP. The patient was pre-diabetic (non-medicated) and used a CPAP. He had undergone corneal transplants in both eyes. Medications included Zyrtec, Simvastatin, Lisinopril, aspirin, depotestosterone and vitamin B-12, with no known drug allergies.

Decreasing inflammation was the most important priority, and given the position of the implants, traditional surgical methods would have been difficult, especially with visualization. The treatment plan recommended was LAPIP around implants #17 and #18 to reduce inflammation and regenerate bone support.

LAPIP was performed on Nov. 5, 2012, utilizing the PerioLase ® MVP-7™ Nd:YAG laser at 75 J increments.

Here at the GNYDM

To learn more about the LANAP and LAPIP protocol for the treatment of periodontitis and peri-implantitis:
- Catch Marc Nevins, DMD, MMSc, from 2 to 5 p.m. Monday for a lecture on the LANAP protocol (course 4440/8140). Register at www.gnydm.com/courses_2013/4440.htm
- Don’t miss a live patient demonstration of the LANAP treatment from 10 a.m. to 12:30 p.m. Tuesday. This event features Charles Braga, DMD, MMSc, performing the laser-based periodontal treatment (course 5040/free). More here: www.gnydm.com/courses_2013/5040.htm
- Also, learn about the LAPIP protocol and LANAP protocol via a hands-on workshop led by Braga from 2 to 5 p.m. Tuesday (course 5570/8295). More here: www.gnydm.com/courses_2013/5570.htm

For additional information, stop by the Millennium booth, No. 4033.

Fig. 1: Implants on April 4, 2011, showing no bone loss noted around implants. (Photos/Provided by Allen S. Honigman, DDS, MS)

Fig. 2: Implants on Oct. 29, 2012, showing bone loss to the sixth thread mesially and distally at #17 and to the third thread mesially and distally at #18.

Fig. 3: On Jan. 23, 2013, post-LAPIP therapy, radiographs confirmed maintenance of bone regeneration.

Fig. 4: On March 25, 2013.
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Shofu announces new delivery system for two of its products

By Shofu Staff

The CX-Plus capsule: A glass ionomer luting cement

Shofu Dental is announcing the launch of its GlasIonomer Luting Cement CX-Plus — now in a capsule form.

CX-Plus is an ideal, self-curing, glass ionomer luting cement designed for minimally invasive dentistry. Indicated for cementing crowns, inlays, long span bridges and orthodontic appliances, CX-Plus has a high compressive strength, low film thickness and is radiopaque. It is resistant to water contamination and can exist in a moist environment.

CX-Plus Capsules bond to both enamel and dentin to provide an excellent marginal seal, thus minimizing postoperative sensitivity. Indicated for cementing crowns, inlays, long span bridges and orthodontic appliances, CX-Plus has a high compressive strength, low film thickness and is radiopaque. It is resistant to water contamination and can exist in a moist environment.

CX-Plus Capsules bond to both enamel and dentin to provide an excellent marginal seal, thus minimizing postoperative sensitivity. Additional features are its high fluoride release and low levels of acid erosion. These, combined with its superior handling, fast setting time and three-year shelf-life, make CX-Plus an ideal luting cement.

Shofu’s GlasIonomer Cement CX Plus is available in powder/liquid form and now comes to you in a more convenient delivery system — the capsule.

Here at the GYNDM

Dr. Daniel Ward will present a hands-on course, “Improving and Simplifying the Placement of Esthetic Restorations,” on Monday from 9:45 a.m. to 12:45 p.m. in aisle 5800, room 8. During his session, he will discuss how to use GlasIonomer FX-II in Class V restorations. For more information about GlasIonomer FX-II, stop by the Shofu booth No. 4407.

- During the Greater New York Dental Meeting, buy one box of the new CX-Plus Capsules and get one box of Beautifil II A2 Tips free. (Photos/Provided by Shofu Dental)

- Dr. Fred Margolis, DDS, a pediatric dentist from Highland Park, Ill., who has used CX-Plus in a recent clinical case, said: “I have used CX-Plus Luting Cement for stainless-steel crowns and zirconium crowns for children. This cement is one of my favorites; it saves time and is reliable. Shofu’s CX-Plus Luting Cement is great for pediatric crowns and works well, even for difficult moisture-control situations.”

with cooling in between to prevent overheating of the implant. Removing the superstructure was deemed too difficult as it might have caused unnecessary damage and possibly required remaking the entire fixed prosthesis. Therefore, the LAPIP therapy proceeded intersulcularly on #17 and #18, then scaling with the PS tip of an EMS piezo scaler, utilizing a chlorhexidine irrigant to further decontaminate the implant surface.

Hemostasis was achieved with the Nd:YAG laser (PerioLase MVP-7), followed by occlusal adjustment of the implants. The energy density for #17 was 15.1/μm and for #18 was 11.8/μm.

The patient was placed on amoxicillin (500) four stat, then one tab every eight hours until finished; Motrin (800), one tab every eight hours for three days, then PRN pain; and chlorhexidine rinse, twice a day for 30 seconds.

At 33 weeks, minimal, if any, tissue loss and no inflammation were observed. Radiographs confirmed bone regeneration/recalcification on both implants. Additionally, the patient reported no pain.
The GlasIonomer CX-Plus Capsules are available through your local dealer in a box of 50 for $227.99 or $4.56 per capsule. Stop by the Shofu booth, No. 4407, for a demonstration.

The GlasIonomer FX-II Capsule: a glass ionomer direct restorative
Shofu Dental is also announcing the launch of its new direct restorative, GlasIonomer FX-II Capsule. Those interested in seeing the material are encouraged to visit booth No. 4407 for a firsthand product demonstration.

The GlasIonomer FX-II Capsule is an esthetic, all-purpose, glass ionomer direct restorative, designed for minimally invasive dentistry. As a restoration, the material is shown to have superior levels of fluoride release/rechargability and compressive/tensile strength in comparison to other leading glass ionomers, making it ideal for high caries pediatric and geriatric patients.

In addition to this, adhesion to enamel and dentin is consistently stable at equal levels, creating a stronger marginal seal. The restoration experiences far less strain because of the adhesive strength, and the thermal expansion properties are very similar to natural teeth. The radiopaque qualities of the new GlasIonomer FX-II display a highly favorable natural fluorescence.

The application benefits of GlasIonomer FX-II are equally noteworthy. One key benefit is there is no conditioner required for this material, resulting in faster application time. Simply prepare the cavity using the conventional method, mix the capsule for 10 seconds and apply. Net setting time is two minutes and 30 seconds. The combination of a fast setting time and no conditioning requirement greatly reduces valuable working time and allows one to see more patients within a day.

Unlike many other glass ionomer restoratives, the new GlasIonomer FX-II Capsule demonstrates excellent handling and packability. Indications for use include non-load bearing C I and C II restorations in permanent dentition, restorations of C III and C V cavities and wedge-shaped defects, pediatric/geriatric restorations and core build-up and base/liner material. Offered in shades A2, A3, A3.5 and B2, the material is simultaneously translucent and opaque, creating an esthetic appeal and beautiful Vita shade-matching abilities.

Shofu Dental’s GlasIonomer FX-II Capsule is overall stronger and more durable and is a highly therapeutic, minimally invasive restorative, but the most impressive point of all is its price point — only $4.54 a capsule, packaged in a kit of 50 with a total cost of $227.70.

Stop by the Shofu booth No. 4407 to experience the new GlasIonomer FX-II Capsule.
The conventional intra- and extra-oral head and neck examination is taught in dental and hygiene schools to screen patients for oral cancer and other oral disease. It normally consists of a visual inspection of oral tissue, or oral mucosa, under incandescent or halogen light using the naked eye to look for suspicious lesions, as well as extra oral palpation of the face and neck to feel for suspicious lumps and intra-oral palpation of the mucosa.

**Why is it important?**

A three-to-four minute visual and palpation exam is crucial in the discovery of oral diseases. It is quick to perform, painless for the patient and enhances the patient experience with the dental practice.

According to the Oral Cancer Foundation, nearly 42,000 Americans will be diagnosed with oral or pharyngeal cancer this year. The percentage of oral cancer patients who ultimately die of the disease is higher than for many other cancers.

The key to reducing the number of lives lost to oral cancer is earlier detection of the disease, and the key to earlier detection is more frequent and more thorough intra- and extra-oral head and neck exams. The majority of oral cancers are detected in the later stages, when the five-year survival rate is about 50 percent. The good news? When discovered early, the survival rate leaps to 82 percent.

**But did you know?**

Independent surveys indicate the majority of patients say they have never had an oral cancer exam. A recent U.K. survey found “92 percent percent of respondents would like their dentist to tell them if they were being screened for signs of oral cancer and 97 percent would like help from their dentists to reduce their risk.”

**What can you do?**

Although you may offer the conventional intra- and extra-oral head and neck examination as part of your normal standard of care, your patients may not be aware they are receiving this examination nor even understand why you insist on performing it. Inform your patients that this simple exam may help in the discovery of abnormalities, including precancerous and cancerous tissue, and then assist with expediting a treatment plan to help them back on the road to recovery.

**Here at the GNYDM**

For more information on oral cancer screenings, stop by the LED Dental booth, No. 3313.

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**Performing an intra- and extra-oral head and neck exam**

- The conventional intra- and extra-oral head and neck examination is taught in dental and hygiene schools to screen patients for oral cancer and other oral disease. It normally consists of a visual inspection of oral tissue, or oral mucosa, under incandescent or halogen light using the naked eye to look for suspicious lesions, as well as extra oral palpation of the face and neck to feel for suspicious lumps and intra-oral palpation of the mucosa.

**Reference**

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Where: Crystal Palace
35th Street Entrance Hall
Jacob K. Javits Convention Center
3Shape TRIOS Color receives ‘Best of Class’ honor

3Shape, a provider of 3-D scanners and CAD/CAM software solutions for the dental industry, recently received the highest honor from Pride Institute for its innovation in dental technology.

The 3Shape TRIOS® Color digital impression solution was one of only 18 products honored as “Best of Class” by the Pride Leadership Panel.

The ‘Best of Class’ Technology Award

Now in its fifth year, Pride Institute’s award continues to recognize products that demonstrate excellence in their category. A panel, composed of leading voices in dental technology, comes together each year to discuss, debate and decide which products merit recognition.

According to Pride Institute, each product honored as “Best of Class” features unique characteristics that differentiate it from the competition in a compelling way, and more importantly, it creates value for the general dentist.

Dr. Lou Shuman, president of Pride Institute and creator of the award and its selection process, said: “In this highly competitive category, 3Shape’s TRIOS Color solution impressed the panel on many fronts. Scanning is fast and easy to perform, and it creates scanned images in the appearance of real teeth and gingiva with very natural looking colors. The fact that it is so respected in the lab space should be a differentiating factor to the practitioner.”

Flemming Thorup, CEO of 3Shape, said: “We are naturally honored to be chosen for such a prestigious, highly respected and important award from among so many prominent technology companies. TRIOS Color introduces many exciting and unique innovations that make digital workflows attractive for dentists and their business.”

About TRIOS Color

3Shape TRIOS Color is built on 3Shape’s Ultrafast Optical Sectioning™ and RealColor™ technologies. Its features include capture of teeth and gingiva in natural-looking colors, spray- and powder-free scanning and optimized scanning for an extensive range of indications, including customized abutments with emergence profile capture, clinical scan validation and more.

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- Launched in 1985, the DEFEND brand, by Mydent International, has grown into a global leader, serving more than 50 countries in the manufacturing of high-quality infection control products, disposables, preventatives and impression material systems.

With more than 27 years of reliable service to the dental industry, Mydent International manufactures more than 40 percent of consumables used in the dental operatory.

From award-winning sterilization products, impression materials, prophylactic paste, wipes and lab coats to disposables, Mydent International manufactures more than 300 items used by dental professionals.

Award-winning impression material
Mydent International’s impression material line is an industry favorite. Recognized by Dental Product Shopper as a “recommended” product, DEFEND impression materials have been described by dentists as “the best material ever used.” Offering exceptional mix and flow characteristics, DEFEND VPS and bite registration impression materials provide outstanding detail and need minimal dispensing effort.

Award-winning disinfectant wipes
DEFEND+PLUS Wipes disinfect, deodorize and clean hard, non-porous surfaces safely and effectively. The wipes, which contain a stable, low-pH formulation of disinfectant and deodorant, feature a new, two-minute kill time for various organisms, including methicillin-resistant Staphylococcus aureus, influenza A; Pseudomonas aeruginosa; and hepatitis B and C; and they deliver a one-minute kill time for human immunodeficiency virus-1. These wipes were awarded “Best Product 2011” by Dental Product Shopper.

Ultrasonic cleaning tablets
Mydent International’s Ultrasonic Enzymatic Tablets dissolve in a gallon of water in less than a minute to create a powerful and effective ultrasonic cleaning solution. In 2012, The Dental Advisor conducted a clinical evaluation of Mydent International’s DEFEND Ultrasonic Enzymatic Tablets. Evaluated by 34 dental consultants in 821 uses, the tablets received a high 90 percent positive clinical rating.

Jackets and lab coats
Awarded a 4.5+ rating out of 5 from The Dental Advisor, DEFEND+PLUS jackets and lab coats provide the latest technology in protection, with 28 percent better bacterial filtration (Nelson Laboratories, January 2011). These jackets and lab coats are made of a soft, three-layer, SMS fabric and provide higher quality stitching, cuffs and collar compared to most competition.

New spore testing service
Mydent’s new DEFEND spore testing service was issued the prestigious “Best Product 2013” award from a recent clinical evaluation through Dental Product Shopper. Eleven clinical evaluators participated, resulting in a final score average of 4.6 out of 5.0.

According to the evaluation, “ease of use” received the highest rating (4.9 out of 5.0). The other criteria evaluated included response time, effectiveness, instructions, ease of doing tests, documentation and overall satisfaction. This spore testing service provides dental professionals with a quick turnaround time and access to test results via a secure website.

Dual fit masks feature latest technology
Mydent’s newly designed line of DEFEND Dual Fit Face Masks create a tight custom fit for enhanced facial protection. With the latest in contour technology, these face masks feature a form-fitting pliable nose and adjustable chin band to ensure ultimate comfort.

New prophylactic angles
DEFEND Prophy Angles have been added to Mydent’s expanded line of dental supplies. These disposable prophylactic angles are constructed with contra design to reduce hand fatigue and micro trauma while allowing greater access. DEFEND Prophy Angles are also latex-free, smooth running and vibration-free.

New DEFEND ordering website
Mydent International has developed an ordering website for dental professionals to conveniently place DEFEND orders through their dealer.

For a limited time, Mydent International is giving away $50 SpaFinder gift certificates to dental professionals who order $150 or more (suggested retail) of DEFEND products through their selected dealer from the website. Learn more at www.defend.com/order.

Charitable initiatives
Mydent International is active in supporting charitable organizations. With autism rates estimated as high as one in 91 children, Mydent International feels compelled to take action. As a result, a portion of the profits from every DEFEND product sold goes to Autism Speaks, the nation’s largest autism science and advocacy organization.

Mydent International is dedicated to fully maintaining the DEFEND brand promise: “To provide the health-care professional with the highest quality infection control products, disposables, preventatives and impression materials at affordable prices, supported by superior service and 100 percent customer satisfaction.”
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CollaForm® Singles Bone Collagen
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Attari reports, “What is important is the implant success rate over time, as reported by the Stru buff Consensus Conference, a 98% cumulative success rate over 5 years has been found with pure alloplast OsteoGen®.” Attari further noted that “OsteoGen® is physicochemically and crystallographically equivalent to human bone making it a pure alloplast. The spaces between the crystal clusters facilitate cellular and tissue proliferation within the grafted material, thus enhancing faster osteointegration.”

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Dentatus introduces the Profin PDX Contra/Angle

By Dentatus staff

Dentatus is introducing its new Profin PDX Contra/Angle at this year’s Greater New York Dental Meeting. Smaller, lighter, more ergonomic and more affordable than its predecessor, the Profin, with safe-sided diamond-coated Lamineer® Tips, is the instrument of choice for shaping and finishing hard-to-access areas without damaging adjacent surfaces of all restorative materials, according to the company.

Said Dr. Howard Strassler, professor and director of operative dentistry at the University of Maryland Dental School in the Department of Endodontics, “Although it is the workhorse of any dental practice, a conventional handpiece (that rotates and accepts friction grip and latch-type burs and abrasives) does not meet all the demands of adhesive restorative dentistry.”

Modern dentistry emphasizes esthetics and shaping restorations to consistent clinical standards of form and function. The Profin features precise and directionally controlled movement of a 1.2 mm reciprocating motion. According to the company, it is ideal for delicate and safe shaping, contouring and polishing of natural dentition, as well as for all restorative materials, including composite, cements, porcelain, ceramics, amalgam and metals.

The Profin can be set in a self-steering mode, most often selected for polishing procedures, or a fixed mode, achieved by pushing the tip into one of six notched indexing positions. The fixed position controls directional movement of the tip.

The complete assortment of Lamineer Tips are safe-sided and come with various diamond-coated micron-grain sizes. The largest, 150 micron diamond tips, are used for effectively removing bulky overhangs, while sequentially using the finer grain tips down to 15 microns will produce a very fine smooth finish.

The knife-edge “S-series” offers maximum access and is ideal for creating gingival and incisal embrasures. Smoother finishing is achieved with the Wolfram Tungsten tips, which will not scuff healthy enamel when finishing margins.

Specialty tips are also available for fine finishing of shoulders, chamfers and interproximal reduction.
WE ARE LANAP

Exhibit #4033
at the Greater New York Dental Meeting

Monday, December 02, 2013
Marc L. Nevins, DMD, MMSSc
2:00 PM - 5:00 PM
Laser Assisted New Attachment Procedure (LANAP)

Live Patient Demonstration:
Tuesday, December 03, 2013
The LANAP Protocol
10:00 AM - 12:30 PM
Charles Braga, DMD, MMSSc

Hands-on Workshop:
Tuesday, December 03, 2013
LANAP and LAPIP: Laser-Mediated Periodontal Therapy
2:00 PM - 5:00 PM
Charles Braga, DMD, MMSSc

You CAN save ailing implants
By Rich Mounce, DDS

- Highly anxious patients, atypical nerve anatomy, irreversibly inflamed lower molars and past experiences of poor anesthesia all combine to create the perfect storm for endodontic pain-control challenges.

Being a full-time endodontist in private practice, this clinical scenario, to one degree or another, presents itself frequently. Aside from common nerve blocks, some forms of advanced local anesthesia techniques are often essential to provide a comfort in the aforementioned scenarios.

To this end, the Wand STA All-Injection System (Aseptico, Woodinville, Wash.) device and the Anesto handpiece (W&H, Windsor, Ontario, Canada) have proven invaluable. I use the Wand STA on every patient. It has become an indispensable part of my anesthesia technique. All infiltrations, blocks and PDL injections are given with it. The injections are more controlled, comfortable (for both me and the patient) and predictable than standard injections.

The pen-style grip of the Wand STA handpiece allows the clinician to inject with far greater tactile control. Various handpiece sizes are available for the different injections. While economical, the unit is also simple to learn and use.

While the Wand STA has three injection speeds, in my hands all injections are given at the slower of the three speeds with exceptional patient acceptance. Empirically, it is my experience that the Wand STA leads to far fewer (none in three years) epinephrine reactions (increased heart rate, patient anxiety, etc.) and incidence of an “electric shock” reaction, which happens with traditional systems if the needle touches the nerve bundle.

Finally, for cases in which introsseous anesthesia is required, I favor the Anesto system by W&H. Anesto is a solid choice, as the perforating and injection needle are one, eliminating some of the pieces required for other systems.

In clinical practice, once the clinician believes adequate anesthesia has been obtained, it is advisable to confirm profound anesthesia with both percussion and hot and cold (depending on the diagnosis as indicated). Once accessed, especially for vital inflamed cases, consideration should be given to also providing an intrapulpal injection into the orifice of each canal, followed by placing a small handfile to the apex.

Ideal for this purpose are the Mani #6 K files and Mani #8 D finders (D Finders are stiffer than a K file and used for negotiation of calcified canals). Exploration of the canal in this manner, done without discomfort, provides absolute confirmation of total anesthesia, invaluable for the anxious patient.

I welcome your feedback.

Here at the GNYDM

For more information on the Wand STA All-Injection System or to see it for yourself, visit Aseptico at booth No. 4024.

New possibilities for patient comfort during local anesthesia delivery

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About the author

Rich Mounce, DDS, is in full-time endodontic practice in Rapid City, S.D. He has lectured and written globally in the specialty. He owns MounceEndo LLC, marketing the rotary nickel-titanium MounceFile in controlled memory and standard NiTi. He can be reached at richardmounce@ mounceendo.com, www.mounceendo.com and on Twitter at @MounceEndo.
Clinicians are leveraging their investments in chairside digital impression systems to reduce the time and cost of implant therapy. Dental technicians produce custom abutments and crowns directly from digital impressions taken with these systems, eliminating the need for physical models. From a chairside digital impression, Glidewell Laboratories will digitally design and fabricate a custom abutment or crown in two days or less. Dentists save on the cost of impression materials, shipping to the lab and model work, and they benefit from lower lab prices on restorations. The process for taking the digital implant impression and sending it to the lab is straightforward:

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2) Take buccal, lingual and occlusal scans of the implant site.
3) Scan the opposing dentition.
4) Remove the scanning abutment and scan the bite.
5) Electronically submit the digital implant impression to the lab.

For system-specific information on how to send digital implant impressions to Glidewell Laboratories, intraoral workflow guides are available by visiting the “Digital Impressions” page under Dentist, then Services, at www.glidewelldental.com.

Glidewell Laboratories reports that its chairside digital impression scans communicate patient anatomy to the lab with improved accuracy and efficiency. (Photos/Provided by Glidewell Laboratories)

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Here at the GNYDM
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For more information, visit www.impladentltd.com, call (800) 526-9343 or stop by the Impladent Ltd booth, No. 3431, here during the Greater New York Dental Meeting.

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OsteOGen synthetic Bioactive ResORBaBle nOn-ceRamic cRystals

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DR. DOUGLAS TERRY DENTAL PHOTOGRAPHY DVD

Vol. 5 of Dr. Douglas Terry’s supplementary DVD set illustrates the procedures, techniques and scientific concepts presented in the book “Esthetic and Restorative Dentistry: Material Selection and Technique (Second Edition).” The DVD begins with an introduction by Dr. Terry, followed by a demonstration showing the views most dental offices need to photograph as well as the technique needed to take each one of them.

For more information, go online to www.photomed.net, call (800) 998-7765 or stop by the PhotoMed booth, No. 100, here during the Greater New York Dental Meeting.

(Dr. Douglas Terry)

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(Krazy Cone Face Masks)