Celebrating a milestone

By Fred Michmershuizen, today Staff

“A Midwinter Celebration” is the theme for the Chicago Dental Society’s sesquicentennial Midwinter Meeting, which opened Thursday morning here at McCormick Place to nearly 30,000 dental professionals.

“This is the CDS’ opportunity to celebrate the efforts of the countless leaders and volunteers who not only recognized what the growth and success of the meeting could mean to our members and for the profession, but who brought that vision to reality,” said 2015 CDS President Susan Becker Doroshow, in a press release announcing the opening of this year’s event.

In the exhibit hall, more than 700 companies are showcasing their products and services. Many are introducing group presentations — as Keystone Industries is doing in its booth (No. 3611) — in-depth discussions about some of the most sophisticated offerings in health care are taking place in every aisle.

A bit off the beaten path, in aisle 200 against the east wall of the exhibit hall, you can even get an independent, one-on-one assessment of your ergonomic habits, whether you’re a specialist, general dentist, hygienist or assistant.

Pelton & Crane is sponsoring the clinic, staffed by local physical therapists who specialize in ergonomics in work environments such as dental practices. Dental chairs, seats and stool are all on hand so the pros can take a look at how you typically work and offer some input that just might prolong your career.

There’s no booth number. Just look for the banner with the white cross against the red background.

Meeting attendees move from booth to booth on the exhibit hall floor Thursday morning. (Photos/Fred Michmershuizen, today Staff)

Where education, exhibits intersect

By Robert Selleck, today Staff

The scientific program at the Chicago Dental Society’s 150th Midwinter Meeting is among the most comprehensive there is, with virtually every aspect of modern dentistry covered from numerous angles. But it’s not just in the classrooms where the latest tools and techniques are being explored.

The exhibit hall, too, abounds in educational opportunities, with more than 600 exhibitors eager to take advantage of face-to-face opportunities to educate dental professionals about their offerings.

Whether it’s one-on-one or with group presentations — as Keystone Industries is doing in its booth (No. 3611) — in-depth discussions about some of the most sophisticated offerings in health care are taking place in every aisle.

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From left, Andrew De La Garza, DDS, of San Antonio, and Martha Guerra, a dental assistant in De La Garza’s practice, listen to ergonomics advice from Timothy Caruso, a physical therapist with Chicagoland Performance Consultants, in the ergonomics booth sponsored by Pelton & Crane in aisle 200 of the exhibit hall. (Photo/Robert Selleck, today Staff)
Among the companies launching products this year is Essential Dental Systems (EDS, booth No. 2111), with its Tango-Endo, a new endodontic system. With Tango-Endo, EDS says, it only takes two instruments to treat a root canal. The files allow for faster engagement with less resistance, according to EDS.

To help increase excitement for the Tango-Endo launch, EDS has brought in tango dancers. Look for them on the exhibit hall floor.

Hu-Friedy Mfg. Co. (booth No. 3405) is introducing its IMS Infinity Series Cassettes for instrument management. According to the company, the cassettes are designed to support evolving instrument processing guidelines and to increase dental practice efficiency while protecting patients, staff and instrument investments.

“Hu-Friedy continues to lead the industry through innovation of dental instrument management systems that ensure better infection prevention while maximizing efficiency and ROI for the dental practice,” said Ken Serota, president of Hu-Friedy, in a press release.

Biolase (booth No. 601) is introducing a “Practice Growth Guarantee” with the launch of its new WaterLase iPlus 2.0 all-tissue laser. WaterLase iPlus 2.0 also features the all-new SureFire YSGG Delivery System, plus a new periodontal app known as REPaiR for treating moderate to severe periodontitis according to the company.

Carestream Dental (booth No. 3801) is releasing its Logicon Caries Detector 5.1, designed to further automate the detection process and produce improved displays of caries sites, making exams and diagnoses even more efficient than in the past.

According to the company, Logicon 5.1 is the only commercially available FDA approved computer-aided radiographic caries diagnosis software. It is a unique and clinically proven tool that helps practitioners detect and treat interpontal caries at an early stage, enabling minimally invasive treatments, the company says.

Of course, this is just a sampling of the many new products available here at the Midwinter Meeting. Look for more of them until the exhibit hall closes at 5:30 p.m. today.
“It will change your practice. It will change your outlook on dentistry.”

My favorite thing about Isolite is—it works flawlessly and repetitively, meaning it doesn’t work sometimes and not others. It works all the time. It’s simple to use.

Richard Creaghe, DDS
San Rafael, CA

Watch it now on your mobile device or visit isolitesystems.com/RichardC and see for yourself how WE MAKE DENTAL ISOLATION EASY!™

BRING THIS AD TO BOOTH #1831 AT CDS MIDWINTER MEETING TO RECEIVE A SPECIAL OFFER

This offer is only valid for redemption during Chicago Dental Society Midwinter Meeting 2015 at booth #1831. This offer cannot be combined with any other discount.
Scenes from Thursday

Jim Pienkowski of Planmeca USA (booth No. 2602) with the Planmeca ProFace.

Howard Wolf, left, and Jeff Price of Flow Dental Corp. (booth No. 905).

Meeting attendees get product information at ACT (booth No. 4425).

Buffalo Bill (aka Wayne Rettig) is comfortable in the saddle at Brewer Co. (booth No. 3413).

It’s the sesquicentennial dental meeting here in Chicago.

From left: Tom Moore, Ryan Moore and Daniel Parrilli of Kettenbach (booth No. 4119).

Dr. Fred Weinstein of Vancouver, British Columbia.

Nick Pond, left, and Stacy Lamb of Vista Dental Products (booth No. 3719).

Alan Ratcliff, left, and Keith Nelson of Carestream Dental (booth No. 3801).
Model-free crowns made from digital impressions have advantages

47% reduction in crown remakes due to margin issues
32% reduction in crown remakes due to fit issues
34% reduction in crown remakes for occlusion issues

Data based on 26,000 BruxZir® model-less single crowns manufactured digitally from January 1, 2014 to October 31, 2014.

No inbound impression shipping cost and quicker case turnaround

Your cases are transmitted electronically via the Internet, so you save on the cost of overnight inbound shipping (S7). Plus, your monolithic BruxZir® Solid Zirconia, IPS e.max®, Inclusive® Custom Abutment or implant case can be fabricated and shipped back to your office in as little as two days.†

Save $20 per unit off the list price

When you transmit a digital impression and request a model-less restoration, we deduct the cost of the model and die work, saving you $20 off the list price. BruxZir® and IPS e.max® restorations made via digital impressions and without a model will cost you $79 per unit instead of $99. You’ll also save $40 per unit off the $299 per unit list price of Inclusive Custom Abutments or screw-retained implant crowns.

Send us your next digital impression and put these advantages to work in your practice!

†Projected shipping return date for your case should be verified with a Glidewell Laboratories representative.
IPS e.max® is a registered trademark of Ivoclar Vivadent.

For more information
888-786-2177
www.glidewelldental.com
It takes two to tango — and only two files to treat an endodontic case using the new Tango-Endo file system, available from Essential Dental Systems (booth No. 2111).

From left: Matt Carroll, Lenny Sulkis, Brian Melonakos and Randy Bailey of Shofu Dental Corp. (booth No. 2411).

If you yell ‘Isolite’ loud enough, they will draw a lucky number for a prize at Isolite (booth No. 1831).

From left: Joe Bell, Jennifer Horwath, Cathy Wakefield and Brent Garvin of Planmeca (booth No. 2602).

Dezmond Morgan of Argen Corp. (booth No. 3011).

Abbey Myhre, left, and Hannah Myhre of Dash Medical Gloves (booth No. 4603) show off their smiles — and their tiaras.

Christopher Stachl of W&H (booth No. 4801).


Are you friends with a power toothbrush? Stop by Crest + Oral B (booth No. 4200) to get your picture taken with this one and learn more about dental care products for consumers.

Andres Maldonado of Hu Friedy Mfg. Co. (booth No. 3405) with the company’s new IMS Infinity Series Cassettes.
Ruairi Duffy, left, and Steve Vredenburgh of DENTSPLY (booth No. 1802).

Laura Mounce, left, and Dr. Rich Mounce of MounceEndo (booth No. 3516).

Nick Aralis, left, and Sheila Nazaroff of Glidewell Laboratories (booth No. 4220).

Keith Drayer of Henry Schein Dental (booth No. 2817).

Jeanne Giovneco, left, and Marty Lewis of Dexis (booth No. 1208) show off the CariVu.

A cyclist shows off some aerial acrobatics Thursday morning at Ivoclar Vivadent (booth Nos. 1417/1617).

Above, Dr. Todd E. Shatkin of Shatkin F.I.R.S.T. (booth No. 606) offers an educational presentation Thursday morning.

At left, Amanda Moroney, left, and Dane Carlson of Seiler Instrument and Mfg. Co. (booth No. 3015).
Education is the focus in Keystone booth

Topics include air polishing, sealants, dental assisting and more

By Robert Selleck, today Staff

Keystone Industries/Bosworth Co. (booth No. 3611) is devoting a portion of its exhibit-hall booth space here at the Midwinter Meeting to mini-courses on a variety of topics of interest to the entire dental team.

Thursday’s sessions, each running for about an hour, focused on air polishing, bacteria management, dental assisting, sealants and the role of oral hygiene in total health.

Several of the sessions are scheduled to repeat today and Saturday. On the schedule today:

- At 11 a.m. and 1 p.m., Kim Stevrens, RDH, presents sessions on “Bacteria Management.”
- At 3 p.m., Amy Kinnoman, RDH, presents “Hygiene: The Role of Prevention in Total Health.”
- Sheri Doniger, DDS, presents “Air Polishing” at 10 a.m. and again at 11 a.m. Doniger’s Thursday session on the same topic generated numerous questions from attendees, many being new to the still relatively young technology. That’s a big part of the reason Keystone decided to include such a strong education component in its exhibit space.

The education sessions don’t overly emphasize Keystone products, but Keystone is interested in creating more awareness and understanding of the technology because of the growing interest it has been seeing in its Bosworth ProphyBrite™ Air Polisher.

The company also offers prophy powder, available in six flavors: strawberry, raspberry, lemon-lime, orange, grape and spearmint.

Keystone describes its air polisher as being “ideal for cleaning and preparing teeth prior to placement of orthodontic brackets, sealants, bleaching and fluoride treatments.”

Other speakers in the booth on Thursday were Kevin Henry with “Battling the Demons of Dental Assisting” and Anastasia Turchetta, RDH, with “Seal the Deal: Understand the Power of Prevention and Retention.”

In addition to providing a forum for dental professionals to learn more about air polishing and other trending subjects directly from some of dentistry’s top thought leaders, Keystone has plenty of its own top representatives on hand to answer questions about the company’s offerings.

Just for stopping by, you’re invited to pick up free samples of Keystone’s award-winning Gelato prophy paste. The paste has earned top honors from Dental Advisor for the past three years in a row.
Ti-Max® Z900L Air Turbine

With an unprecedented 26W of air-powered torque, you’ll experience a level of smoothness, consistency and comfort not available until now – and shorter treatment times. Its top speed is matched by top features, like a strong, lightweight, pure titanium body with DURAGRIP® coating. An optimized ergonomic design for more leverage and less fatigue. And a new cartridge design and bearings that dramatically improve durability. Experience the power of 26W with a FREE TRIAL!

FREE TRIAL
Details at www.NSKDental.us

Find an authorized NSK distributor at www.nskdental.us/distributors.php

NSK Dental LLC  www.NSKDental.us
1800 Global Parkway • Hoffman Estates, IL 60192 USA • Tel. (888) 675-1675

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TAUB Products, manufacturer of FUSION-Zr Multi-Purpose Veneer Cement, has announced a major new sweepstakes promotion. The contest winner will receive full tuition to any course given at the Nash Institute, a value of $595 to $1,495.

To be eligible, a contestant simply has to visit the website (www.taubdental.com/index.cfm?Body=Contact&Context=Sweep_RegForm) or the TAUB Facebook page (www.facebook.com/TAUBProduct) and register for the contest.

The Nash Institute for Dental Learning offers unique training in both the clinical and business aspects of dentistry with expert instructors. The instructors are either well-known or emerging leaders in the industry, and they aim to offer exciting information to help course attendees provide better care, make more money and have more satisfying careers.

TAUB Products is a major sponsor of the Nash Institute, and FUSION-Zr and other TAUB products are used in many of the Nash Institute courses.

FUSION-Zr and other TAUB products can be found in booth No. 1809 here at the Chicago Midwinter Meeting.

Win full tuition to any Nash Institute course

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Solea gets a speed upgrade

Dental laser for hard and soft tissue adds new size, goes four times faster

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By Convergent Dental Staff

Convergent Dental, a privately held dental device company, has...
announced the addition of a new extra coarse cutting 1.25 mm-XC spot size to Solea, the first FDA-approved, CO₂ 9.3-micron dental laser for hard and soft tissue.

This new spot size increases Solea’s speed by a factor of four, which makes it easier than ever to quickly remove large amounts of tooth structure at or above drill speed. Dentists can use Solea’s touchscreen interface to switch between spot sizes with a finger tap to perform anesthesia-free and blood-free procedures.

The 1.25 mm-XC spot size is being offered as a free software upgrade to all current Solea dentists and will be included in all new units.

For years, dentists have been forced to decide between the speed of traditional drills or the improved patient experience offered by dental lasers. With Solea, practitioners no longer need to choose between speed and patient experience.

The dental laser’s unique 9.3 micron wavelength is highly absorbed in both hydroxyapatite and water, vaporizing tooth structure with speed, precision and an analgesic effect practitioners can count on.

The 1.25 mm-XC spot size adds a new high-end capability for rapidly removing thick enamel for crown preparations and large fillings. Solea dentists have reported performing six or more additional procedures per day as a result of being able to treat patients without anesthesia or spending time controlling bleeding.

The new 1.25 mm-XC spot size now extends that capability even further with its dramatically increased speed.

“The fastest dental laser on the market just got faster,” said Convergent Dental CEO Michael Cataldo. “The XC spot size is the latest example of our commitment to continuous innovation and our customers’ success. Solea provides technology-enabled efficiency gains that have an immediate impact on our dentists’ bottom line and the experience they deliver for their patients. I am extremely proud of the paradigm shift that my team has brought to the practice of dentistry.”

‘The XC spot size is the latest example of our commitment to continuous innovation and our customers’ success.’

Here in Chicago
For more information or to see the Solea, visit www.convergentdental.com or stop by the booth, No. 4237.

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Chicago Midwinter Meeting — February 27, 2015
All new from MyRay, Hyperion X9 is the next generation modular, digital pan/ceph imager. The finest in extra-oral imaging, the X9 model offers forty 2D scan options. Want more? A simple field upgrade to 3D CBCT takes less than 2 hours of downtime! Hyperion X9: The clever investment, ideal today, perfect for tomorrow.

**Xpod** Stand-Alone Wireless Digital X-Ray Sensor with Handheld Touchscreen

X-pod provides instant digital diagnostic quality radiographs on a handheld device with daylong battery power. It enables you to collect hundreds of hi-res images on Secure Digital cards and then review and enhance them on an integrated touchscreen display without being tethered by an external power supply, wires, software or a PC.

**ZenX** Digital X-ray Sensor with High-Speed USB Connectivity

Featuring the latest generation three-layer, 14-bit CMOS detector technology, Zen-X produces the highest resolution radiographs in the industry. With 25 line pairs per mm and comfortable, rounded corners, Zen-X is the top choice in digital radiography. USB 2.0 connectivity powers the sensor and transfers images with ultra high-speed.

To learn more about Cefla Dental Group and our capabilities, visit cefla.com/en/business-units/dental or call (800) 416-3078.
EyeSpecial C-II: A digital camera designed exclusively for dentistry

By Shofu Dental Corp. Staff

Shofu Dental Corp. announces the latest addition to its extensive product line: the EyeSpecial C-II Digital Dental Camera.

The EyeSpecial C-II digital dental camera is designed exclusively for dentistry and features 12 megapixels and eight shooting modes that are easier, faster and more reproducible to ensure the best quality of images are achieved.

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

Designed to produce superb image quality, EyeSpecial C-II has exceptional depth of field range, fast autofocus and anti-shake capabilities, as well as infrared, UV and anti-reflection filters to help achieve those high-quality images.

Although lightweight, the camera is very durable and will withstand the occasional mishandling. It is scratch- and scuff-resistant, as well as water and chemical proof, which is essential for infection control in the office.

Created for dental and orthodontic photography, case presentations and at the bench in a laboratory, EyeSpecial C-II is user friendly and can be held comfortably with one hand, freeing the other to use a cheek retractor or mirror.

Included with the EyeSpecial C-II is a 4 GB SD XC card, but the camera is also compatible with an Eye-Fi Pro X2 card, allowing images to be automatically transferred and uploaded onto a computer, tablet or smartphone.

With a retail price of $2,795, EyeSpecial C-II comes with a 4 GB SD XC card, four AA batteries, a Kenko 49 mm macro lens for close-up shots, a computer connection cord and hand strap and a flash calibration card.

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In addition, SureFile photo management software is available for free download. This software will allow the user to automatically sort and file images by patient name or ID number, saving time and improving HIPA standards.

Shofu’s EyeSpecial C-II is designed exclusively for dentistry and adds consistent efficiency to all your dental photography needs.

Here in Chicago

Stop by booth No. 2411 to see a live demonstration of the EyeSpecial C-II Digital Dental Camera.

Get the EyeSpecial C-II Digital Dental Camera for $2,795. (Photos/Provided by Shofu Dental Corp.)

It is available at www.shofu.com or contact Shofu Dental Corp. at (800) 827-4638.
SharperPractice: The Bat Cave of dentistry

By SharperPractice Staff

SharperPractice specializes in distributing innovative products from around the globe that are “Best in Class.” For more than 20 years, the company has been in the business of providing the most advanced intraoral camera solutions in the industry—as well as innovations that increase efficiency for the dental office.

Some dentists who have visited the SharperPractice booth in a dental meeting exhibit hall refer to it as the “Bat Cave” because they are amazed at the quality and innovation in the products presented.

The company’s flagship product, the DocPort i.o. intraoral camera, features a fog-free, focus-free design for ease of use and crystal-clear imaging. Image acquisition is hassle-free via the easy-touch capture button located on the camera wand or with the optional USB footswitch.

Direct connection to USB ports using a standard, inexpensive USB cable eliminates potentially costly cable repairs, and the camera is supplied with a remote automatic on/off handpiece holder.

Designed to integrate directly with any dental software platform in both PC and Macintosh environments, DocPort i.o. is an easy choice for quality dental imaging.

New from Carl Zeiss — and from others

• As many as 75 percent of adult patients experience some degree of anxiety when visiting the dentist. Tackling patient anxiety is not always a simple solution for a dental practice. One of the most effective and natural ways of putting them at ease is through distraction, which can take the mind’s attention away from the sights and sounds of the dental office to a more calm and peaceful place.

Thanks to the Cinemizer OLED, your patients can experience high-quality 2-D or 3-D videos during almost any procedure in a comfortable, convenient and immersive environment. This will help them relax and forget where they are, decreasing anxiety and stress and improving their overall experience in your office.

• SockIt! is the first and only wound dressing specifically designed for oral use. It’s as simple as performing the procedure as you normally would, then applying SockIt! chairside and sending the remainder home with the patient. You can use it after any procedure, and it does not replace anything else in your office. Stop by the SharperPractice booth to sign up for a free product evaluation.

• FlashMax P3, one of the most powerful curing lights in the world, has a wide-spectrum output of more than 5,800 mw/cm² and cures 3 mm layers of most materials in only two seconds. Manufactured in Denmark, the FlashMax P3 features a unique ergonomic design with simple identical bilateral controls in a cordless form factor.

Replaceable smart-charge battery technology allows the light to charge throughout the day on its 360-degree base and activates 200 cures on a single charge. It contains nearly three times the power of plasma arc lights at a fraction of the cost.

• The EverClear mirror is a must for every dental office. This is the mirror you never have to wipe. Gone are the days of constantly wiping handpiece spray and debris from a dental mirror. Gone are worries about the assistant’s air spray keeping the mirror clean. No longer will dentists twist their backs and necks to get a direct view of the tooth, when a spray-covered mirror stops serving its purpose.

Only the best-in-class products and services become SharperPractice offerings, according to the company. For more information, you can visit www.sharperpractice.com or stop by the booth, No. 339, here in Chicago.

Here in Chicago

To see some of SharperPractice’s offerings, stop by the booth, No. 339.

Cinemizer OLED virtual reality video glasses from Carl Zeiss. (Photos/Provided by SharperPractice)

The I-DENT EverClear mirror, right, never needs to be wiped clear of handpiece spray and other debris (as opposed to a regular mirror, left), ensuring constant unobstructed views of your work zone.

*The I-DENT EverClear mirror, right,*
DOES YOUR HEART BEAT FOR DENTISTRY?

VISIT US AT THE CHICAGO MIDWINTER MEETING
BOOTH # 2614

COME SEE THE LATEST IN CAD/CAM TECHNOLOGY

With PlanScan Restorative System, you can perform lab-quality restorations in hours instead of days - with remarkable speed and accuracy, incredibly intuitive designs, on-site milling and, of course, no impressions or powders. The result is a vastly improved restorative process that gives you - and your patients - a positive dental experience.

Proudly made in the USA.

CATCH A DEMO & ENTER TO WIN A SET OF BEATS HEADPHONES

VISIT US AT BOOTH # 2614

*No purchase necessary. One entry per person. One drawing held daily. Certain restrictions apply, consult with your Henry Schein Representative for details. Offer valid only during the Chicago Midwinter - 2/26/15 - 2/28/15.

The federal government imposes certain restrictions on, and pursuant to the Sunshine Act requires public reporting of, transfers of value to a practitioner. This includes promotional programs. This promotion is a reportable event.

EXCLUSIVELY DISTRIBUTED BY HENRY SCHEIN DENTAL

PLANMECA | PlanScan
Planmeca ProMax S3: Capture interproximal caries extraorally

By Planmeca USA Staff

What if dentists could capture interproximal caries and more extraorally? The Planmeca ProMax S3 makes this achievable with the anatomically accurate extraoral bitewing program, possible only with patented SCARA (selectively compliant articulated robotic arm) technology.

These extraoral bitewings eliminate gagging and capture a greater number of surfaces for better caries detection versus intraoral modalities* and are especially useful for peri-odontal patients, children, elderly patients, claustrophobic patients, patients with special needs, patients who gag or patients in pain.

ProMax’s extraoral panoramic bitewings consist of two bitewing images that are focused to expose interproximal contacts and magnified for higher resolution. These images show details from premolar to third molar areas, including parts of the maxilla, mandible and ramus.

They are also useful in the placement of temporary anchorage devices (implant abutments) in certain treatments. This captures more clinical data (lateral to third molar) and consistently opens interproximal contacts better than most intraoral methods.

All of this comes without the challenges of sensor placement, the changing of sensor sizes, disinfection and equipment maintenance, helping clinical procedures run quicker and smoother than ever before, according to the company.

The ProMax S3 also offers innovative features for compliance with the ALARA radiation safety principle. Its unique autofocus feature significantly reduces retakes, while adjustable kV and mA settings, as well as horizontal and vertical segmentation, provide the tools to limit radiation based on clinical need.

The unit is software-driven for upgradability, from advanced 2-D imaging programs to cephalometry, one-shot cephalometry, digital impression and cast model scanning, Proface 3-D facial photos and 3-D imaging.

All of the units include open-architecture Planmeca Romexis, a versatile software suite designed to support optimal imaging workflow and usability at chairside.

* According to “Efficacy of ProMax Bite-wings vs. Intraoral Bitewings.” For a copy of this study, contact Planmeca USA.
DENTSPLY Pharmaceutical delivers a comprehensive line of local anesthesia products for your practice. With such a wide variety, you'll find what you need for any procedure. Discover our full line of local anesthesia at www.dentsplypharma.com.

To learn more, call us at 1-800-225-2787.
Glidewell Laboratories’ weekly web series “Chairside Live” has given us a great opportunity to communicate with clinicians across the nation and educate them on topics that they’re actually interested in learning. If you haven’t yet had the opportunity, episodes can be viewed on-demand at www.chairsidelive.com or on YouTube and iTunes.

In the Case of the Week from Episode 105, I wanted to try something that I really hadn’t done before. I’ve done some anterior BruxZir® restorations, and they turned out well, but I had yet to do an anterior crown case in conjunction with a BruxZir veneer. This is going to be a straightforward case on teeth #8 and #9 with a BruxZir crown and a BruxZir veneer adjacent to it.

Case presentation
This patient had a pre-existing PFM on tooth #8 that was a poor esthetic match (Fig. 1). Because of the patient’s deep overbite, I liked the idea of using a BruxZir crown for tooth #8 because I could keep it almost as thin as that PFM was on the lingual. I also planned to have the lab fabricate a BruxZir no-prep veneer for tooth #9, which happened to be facially deficient anyway.

I anesthetized the patient and took off the crown. The prep had been endodontically treated, and it looked like a gold post was placed in the incisal edge. We placed the first cord (size 00) and then prepared the gingival third of the tooth. Because the tooth already had a PFM, the prep was more about where I did the reduction.

While reducing, I exposed a little bit of gold, so I covered it up with a self-adhering composite resin, and then I finished smoothing off the prep (Fig. 2). Then I placed the top cord (size 2), which upon removal left us a wide open sulcus that would be simple to impress. That’s the benefit of using the two-cord technique.

Six days later, we took off the temporary and tried in the final restorations, which the patient approved. We cemented the crown with Ceramir® Crown & Bridge cement (Doxa Dental; Newport Beach, Calif.).

The thing I love about Ceramir cement is the fact that it bonds on its own to zirconia without requiring you to decontaminate the internal surface of the BruxZir crown or use a zirconia primer. Plus, the cement will typically clean up in just one piece (Fig. 3).

With the crown placed, I then turned to the veneer. After try-in, I decontaminated the internal portion of the BruxZir veneer by sandblasting it for 15 seconds. I then placed a layer of Z-Prime Plus and air thinned it, and then placed a layer of bonding agent and air thinned it. I isolated the two adjacent teeth with mylar strips and then etched with phosphoric acid, rinsed, placed the bonding agent, air thinned it, placed the veneer with the light-cured resin cement inside and cured it. You can definitely light-cure through solid zirconia. Try it yourself when you receive the case.

Here’s the patient with the crown and veneer in place (Fig. 4). It looks pretty good, considering those are BruxZir solid zirconia restorations with no ceramic on the facial. BruxZir continues to look better because of the increased translucency of the material.

I’m now feeling more confident that if I’m placing a crown on a single anterior tooth that I can place a BruxZir veneer on the tooth next to it. As long as #8 and #9 match, we have a chance of having a nice smile.
NEW!
SEE IT IN BOOTH #3021!
Bring this ad for a free sample.

Silhouette
LOW PROFILE NASAL MASK

Change your view of nitrous oxide.

SILHOUETTE from Porter is a revolutionary new low profile, disposable nasal mask and breathing circuit.

SILHOUETTE’s unique design eliminates the hassles of using nitrous oxide and offers many advantages including:

- Unobstructed access to the oral cavity
- A predictable nitrous experience
- Enhanced scavenging efficiency reduces N₂O exposure
- Disposable mask and circuit for improved infection control

Visit us in Chicago for the launch of SILHOUETTE, including demonstrations and free samples!

CHICAGO DENTAL MIDWINTER MEETING,
FEB. 26–28, 2015 / BOOTH #3021

Visit our website for information on how to order, videos, photos and FAQs.
Ph: 215-723-4000
www.porterinstrument.com/silhouette
The range of our familiar, efficient and innovative cylindrical-shaped Easy Chamfer diamond instruments has been extended to include conical shapes.

Easy Chamfer instruments produce quick, easy fabrications of perfect preparations for use in the application of clinical and dental laboratory digital technologies and are even suited for patients with restricted mouth opening.

The conically designed Torpedo has a 6-degree angle. This meets the recommendations of universities and the requirements of manufacturers of CAD/CAM scanner systems for perfect preparations.

The non-cutting tip forms the perfect deep chamfer shape in seconds and almost automatically. Penetration of the tooth is prevented, the time required during crown preparation is reduced by up to 30 percent and the precise data acquisition of the digital impression is also accelerated.

At right, the Easy Chamfer in use.

For more information on the Easy Chamfer diamond instruments, stop by the NTI-Kahla booth, No. 728.
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The Chicago Midwinter Meeting
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Visalys® Veneer Chairside is the latest addition at Kettenbach LP (www.kettenbachusa.com). Visalys Veneers are prefabricated, polymerized, radiopaque veneers made of a highly filled hybrid composite. This system makes it possible to achieve a high-quality esthetic result in only one session, according to the company.

The product is suitable for cosmetic treatment, as well as for various clinical indications.

Visalys Veneer is based on a hybrid composite. After curing the material, the veneer surface is finished in a special plasma hardening process that makes it fracture- and abrasion-resistant. Veneers and composite share the same chemical composition, making it possible to achieve optimal, long-lasting esthetic results without discoloration.

The new Visalys Veneer is minimally invasive and considered suitable for numerous indications: tooth discoloration, anatomical defects, incisal edge extensions, tooth malalignment, diastema/abfraction/erosion, caries, tooth fractures, masking old restorations and cosmetic corrections. According to the company, in just one session (one to three hours, depending on the indication), a dentist can achieve individual, high-quality results immediately after preparation of the teeth. The treatment outcome is immediately visible.

Compare for yourself
Provide your patients with esthetically pleasing, durable results that preserve dental hard substance — and that don’t lead to extensive dental technician costs. Costs are further reduced, according to the company, as placement accessories are already found in the practice. This saves both dentist and patient money.

Unlike other materials, such as ceramic veneers, the Kettenbach product is not restricted to specific indications that can be used at lower costs with less time and effort. In the past, crowns, ceramic veneers or freehand modeling materials using complicated layering techniques have been considered the method of choice. Visalys Veneers can be a great alternative and a solution for fast, minimally invasive esthetic results.

About Kettenbach LP
Kettenbach LP (Huntington Beach, Calif.) is the exclusive U.S. distributor for Kettenbach GmbH & Co. KG (Eschenburg, Germany). Founded by August Kettenbach in 1944, Kettenbach GmbH was created for the development and marketing of medical and dental products.

Today, the company is one of the leading international producers of dental impression materials and is known in other surgical areas of medicine. Brands include Panasil VPS Impression Material, Identium VSXE Impression Material, Futar Bite Material, Silginat Alternative Alginate, Visalys Temp Material, Mucopren Resilient Liner and Visalys Veneers.
Pumice Preppies with a twist!

NEW Preppies Plus®

Pumice Paste with Chlorhexidine
Whip Mix is pleased to introduce the new Preppies Plus pumice paste with Chlorhexidine. Chlorhexidine is a well-known and effective bactericidal agent as well as a broad-spectrum antimicrobial drug.

Preppies Plus Advantage:
- Chlorhexidine has been extensively researched and is the “gold standard” antimicrobial in oral hygiene!
- Used prior to acid etching procedures for sealants and composite restorations
- Contains no fluoride, oils, or added flavoring agents
- Gluten Free

* Clinical testing has not been performed to demonstrate the antimicrobial effectiveness of this product.

Visit booth 2221 at CDS for a free sample and to learn more.

800.626.5651
whipmix.com

RESTORATIVE ORAL HEALTH
A dental isolation technique that is unlike anything else

By Isolite Systems Staff

Dental isolation is one of the most common and ongoing challenges in dentistry. The mouth is a difficult environment in which to work. It is wet and dark, the tongue is in the way, and there is the added humidity of breath, which all make dentistry more difficult.

Proper dental isolation and moisture control are two often overlooked factors that can affect the longevity of dental work – especially with today’s advanced techniques and materials.

Leading dental isolation methods have long been the rubber dam – or manual suction and retraction with the aid of cotton rolls and dry angles. Both of these methods are time and labor intensive, and not particularly pleasant for the patient.

Enter Isolite Systems: Its dental isolation systems deliver an isolated, humidity- and moisture-free working field as dry as the rubber dam but with significant advantages, including better visibility, greater access, improved patient safety and a leap forward in comfort. Plus, it allows dentists to work in two quadrants at a time.

The key to the technology is the “Isolation Mouthpiece.” Compatible with Isolite’s full line of products, the mouthpiece is the heart of the system. It is specifically designed and engineered around the anatomy and morphology of the mouth to accommodate every patient, from children to the elderly.

The single-use Isolation Mouthpieces are now available in six sizes and position in seconds to provide complete, comfortable tongue and cheek retraction while also shielding the airway to prevent inadvertent foreign body aspiration.

Constructions out of a polymeric material that is softer than gingival tissue, the mouthpieces provide significant safety advantages, and their ease-of-use can boost your practice’s efficiency, results and patient satisfaction.

Isolite Systems provides three state-of-the-art product solutions for every practice, every operatory: Isolite, illuminated dental isolation system; Isodyr, a non-illuminated dental isolation; and the new Isovac, dental isolation adapter.

Using the Isolation Mouthpieces, all three dental isolation products isolate upper and lower quadrants simultaneously while providing continuous hands-free suction. This allows a positive experience where the patient no longer has the sensation of drowning in saliva/water during a procedure and the practitioner can precisely control the amount of suction/humidity in the patient’s mouth.

Isolite Systems’ dental isolation is recommended for the majority of dental procedures where oral control and dental isolation in the working field is desired. It has been favorably reviewed by leading independent evaluators and is recommended for procedures where good isolation is critical to quality dental outcomes.

Visit the Isolite booth at the Chicago Midwinter Meeting, No. 1831, or go to www.isolitesystem.com.

Infinity Series Cassettes designed for enhanced safety and efficiency in the dental office

By Hu-Friedy Staff

Hu-Friedy, a global leader in the manufacturing of dental instruments and products, introduces the next generation of instrument management with its new IMS® Infinity Series® Cassettes, designed for the most effective instrument processing and infection control.

“Proper infection prevention is a top priority in dentistry,” said Ken Serota, president of Hu-Friedy. “Hu-Friedy continues to lead the industry through innovation of dental instrument management systems that ensure better infection prevention while maximizing efficiency and ROI for the dental practice.”

Capitalizing on 30 years of success in instrument management and infection prevention, Hu-Friedy developed the new IMS Infinity Series Cassettes to support the evolving instrument processing guidelines and to increase dental practice efficiency while protecting patients, staff and instrument investments.

The IMS Infinity Series Cassettes are made from high quality, electropolished stainless steel, which is more durable and less prone to breakage or warping. Hu-Friedy redesigned three key features of the cassettes to support the standards for instrument cleaning and handling:

• A modern hole pattern with 30 percent additional open area promotes increased water flow throughout the cassette. It is more compatible with all cleaning equipment, including automated washers.
• A silicone rail design reduces instrument contact by 59 percent, allowing for more access to instruments while holding them safely in place.
• A user-intuitive latch design for a more comfortable, ergonomic grasp and single-hand opening. Users can tell at a glance if the cassette is locked or unlocked.

A solution for instrument management

Here in Chicago

Isolite Systems

Visit Isolite in booth No. 1831 or online at www.isolitesystem.com.

The Isovac, Isodyr and the Isolite.

For more information, visit www.hu-friedy.com or stop by the booth, No. 3405.

“Standardizing procedural instrument set ups with cassettes can help bring a dental practice to the next level in professionalism and patient care while saving time and money,” said Jennifer Naylor, Hu-Friedy vice president, infection prevention and instrument management systems business unit.

“As dentistry’s innovator of cassette-based instrument management systems, we further perfected our IMS cassette line with enhancements to increase water flow, access and ergonomics for more effective instrument processing while increasing the safety in dental offices.”

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The DocPort i.o. intraoral camera features a focus-free design for ease of use and crystal clear imaging. Image acquisition is hassle-free via the easy-touch capture button located on the camera wand, or with optional USB footswitch. Direct computer connection using a standard inexpensive USB cable eliminates costly cable repairs and the camera is supplied with a remote automatic on/off handpiece holder. Easy integration with any dental software platform in both PC and Macintosh environments makes DocPort i.o. the natural choice for quality dental Imaging.

James Rosenwald, DDS, FAGD
“I recently bought two DocPort cameras (to replace my older units) and found them so easy to use and so valuable to my practice that I have purchased three more units. I highly recommend this camera.”

Gerald Ross DDS—Tottenham, ON
“I’ve had cameras costing more than double, but my staff prefers the DocPort over any other because the pictures show incredible detail and it’s so easy to use. We’ve tried a lot of them, but this camera is amazing.”

CHICAGO MIDWINTER SHOW SPECIALS AVAILABLE NOW UNTIL SHOW CLOSING ON FEBRUARY 28
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Try the Silhouette Nasal Mask for predictable nitrous oxide analgesia

See this new product at the Porter Instrument booth, No. 3021

By Porter Instrument Staff

The Silhouette Nasal Mask is the first truly innovative new product for nitrous oxide use in decades. Nothing like it exists.

Imagine a nasal hood that does not obstruct access to the oral cavity. Imagine a nasal hood that is so lightweight the patient barely notices it. Imagine a nasal hood that delivers and scavenges nitrous oxide more efficiently than any other nasal hood. Imagine a nasal hood that provides predictable results for the dentist and a pleasant experience for the patient.

The imagination is over — the Porter Silhouette will revolutionize how nitrous oxide is used in the dental practice.

The Silhouette Nasal Mask is a single patient use disposable nasal mask and circuit. Featuring four size options (pediatric, small, medium and large), the Silhouette is designed with the lowest possible profile, making it easier for you to work around.

In addition to the innovative shape and design, Silhouette has an adhesive strip for the bridge of the patient’s nose — securing the mask in place. This virtually eliminates gas flowing into the patient’s eyes and more effectively scavenges the exhaled gas, addressing the concern of healthcare provider safety. Infrared videos demonstrating this efficiency can be viewed on the Porter website at www.porterinstrument.com/silhouette.

Silhouette also allows for the efficient and effective administration of nitrous oxide, creating a more predictable analgesic experience for each patient. Dentists may find they can actually use less gas, as the potential for the patient to inhale ambient air is diminished when using the Silhouette Nasal Mask.

As a single-use disposable product (both the mask and 36-inch tubing), set up and room turnover times can be improved. There is also less time needed for infection control protocols (compared with standard nitrous breathing circuits).

Dentists and staff can now benefit from giving their patients nitrous oxide and oxygen in the practice — and they can work more efficiently with the new Silhouette Nasal Mask. Visit the Porter booth, No. 3021, for a demonstration.
Spot the difference.

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Visalys® Temp

Visit us at the Chicago Midwinter Meeting
Booth #4119

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www.kettenbach.us
Preppies pumice paste in single unit dose was introduced by Whip Mix in 1997. It was loved by hygienists and the “go-to” for many reasons. Chlorhexidine was first used as a mouth rinse as an adjunct to conventional non-surgical periodontal therapy in Europe in the early 1970s. It received FDA approval in 1986. Chlorhexidine gluconate is an effective bactericidal agent and broad-spectrum antimicrobial drug. Acting as an antiseptic, it is an effective bactericidal agent against all categories of microbes, including bacteria, fungi, yeast and viruses. Chlorhexidine is useful in many clinical disciplines, including periodontics, endodontics, oral surgery and operative dentistry. After 20 years of use by the dental profession, chlorhexidine is recognized as the gold standard against which other anti-plaque and anti-gingivitis agents are measured. Chlorhexidine’s anti-plaque effect is a result of the dicationic nature of the chlorhexidine molecule, which affords the agent the property of persistence of antimicrobial effect at the tooth surface, through both bactericidal and bacteriostatic effects. Chlorhexidine has been added to oral rinses and is available as a gelatin-chip to treat periodontal pockets. Bringing these two great concepts together, Preppies Plus, a pumice paste with chlorhexidine, was introduced by Whip Mix in 2014. Building on the foundation of the original Preppies, Preppies Plus packs a powerful punch in cleaning for dental professionals. Preppies Plus does not contain fluorides, oils or added flavoring agents. It is also available in single unit dose cups.

Two separate product evaluations were completed during the development of the formula for Preppies Plus. The first, a taste test, was completed to determine if a flavoring agent should be added because of the somewhat bitter taste of chlorhexidine. Sixty percent of participants felt there was some to little taste of the mix but that the taste was not a deterrent. None of the participants felt the taste lasted long after, and all suggested the product would be better without added flavoring agents. The second evaluation was completed on the consistency of the formula. All participants reported the paste was creamier than normal, did not have splatter issues and they liked the softer consistency. When asked what they thought of the product concept, one general dentist wrote: “Awesome idea. I am surprised it isn’t on the market already.”

Starting with the strength of the Preppies pumice paste, and adding the power of chlorhexidine, known as the “gold standard” for antiplaque and anti-gingivitis agents, Preppies Plus was developed. Clinical testing has not been performed to demonstrate the antimicrobial effectiveness of this product.

Going forward, Preppies Plus is available from Whip Mix.
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CHICAGO DENTAL SOCIETY MIDWINTER MEETING

2015 SHOW SPECIAL VISIT BOOTH 3102
The new i-CAT FLX MV: Fit for a wide range of dental practices

By KaVo Kerr Group Staff

There’s a new 3-D cone-beam system in booth No. 1206 in the exhibit hall here at the Chicago Midwinter. i-CAT™, a brand member of the KaVo Kerr Group, is proud to announce the launch of the newest member of the award-winning family of cone-beam 3-D imaging products: the i-CAT MV, for general dentists and specialists who wish to place and restore implants or perform oral surgery, periodontics, prosthodontics and endodontics with greater confidence and lower radiation.

The innovative features of the i-CAT MV will deliver greater clarity, ease-of-use and control for those clinicians who need a medium field-of-view and a range of image sizes to fit a variety of needs. From scan to plan to treat, i-CAT MV offers these features to provide information and control:

- Medium field of view captures both arches and the temporomandibular joints in 3-D.
- Visual iQuity™ advanced image technology provides i-CAT’s clearest 3-D and 2-D images.
- Lower dose scan options, including QuickScan+*, are available.
- Easy-to-use SmartScan STUDIO™ touchscreen allows for selection of the appropriate scan for each patient.
- i-PAN lets you capture traditional 2-D panoramic images.
- i-PAN lets you capture traditional 2-D panoramic images.
- Integration with CAD/CAM programs is offered.

i-CAT FLX MV features the Tx STUDIO™ 5.3, the latest version of exclusive treatment planning software with enhanced tools for implants, oral surgery, endodontic procedures, airway analysis and TMJ. Detailed 3-D images combined with powerful imaging software aid in giving you the confidence to accurately plan an entire implant treatment, from surgical placement of the implant and abutment all the way to final restoration.

Enhance practice efficiency with immediate access to integrated treatment tools for implant planning as well as CAD/CAM applications, such as digital models and surgical guides.

3-D scans from i-CAT allow practitioners to perform more advanced procedures with greater predictability — from implants to surgical guides and restorations. i-CAT’s open software architecture seamlessly integrates with orthodontic systems, CAD/CAM programs, imaging software and practice management programs, expanding your practice’s capabilities.

* Image quality is proportional to radiation dose.
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For more information visit: TAUBDENTAL.COM
Kerr Corp., a member of KaVo Kerr Group, is using the Chicago Dental Society Midwinter Meeting to debut its new and improved resin cement, Maxcem™ Elite.

For more than 10 years, Maxcem has been a leader in self-adhesive technology. This update, according to the company, continues that tradition, providing dental professionals a new foundation for building dental success.

With its unmatched adhesion — and compatibility with all indirect restorations — Maxcem Elite promises to continue to be a paramount part of building a dental practice’s success, according to the company.

With an up-to-90-percent higher bond strength to dentin than the previous formula, the new and improved Maxcem Elite self-etch, self-adhesive resin cement for indirect restorations is “simplicity refined,” according to the company.

It is described as having predictable handling and ease-of-use — providing “best-in-class” adhesion when compared with other self-adhesive cements. Other highlights include the One-Peel™ cleanup, no hand mixing and no need for refrigeration.

For more information, stop by the Kerr booth, No. 1200.

DENTSPLY Pharmaceutical controls quality at every step, all the way to your office door

By DENTSPLY Pharmaceutical Staff

For more than 100 years DENTSPLY International has been supporting dentists worldwide in their profession.

Ensuring quality of DENTSPLY pharmaceuticals begins when collecting active molecules and continues through double sterilization of cartridges, the laser inspection for defects, safety-focused packaging and breakage avoidance shipping. (Photo/Provided by DENTSPLY Pharmaceutical)

DENTSPLY Pharmaceutical controls quality at every step, all the way to your office door

By DENTSPLY Pharmaceutical Staff

For more than 10 years DENTSPLY International has been supporting dentists worldwide in their profession.

Obsessive quality control starts at molecular level

The company’s range of anesthetics enables dentists and hygienists to start every procedure right. DENTSPLY Pharmaceutical ensures quality at each step of the product’s journey — from collection of active molecules all the way to when the packages arrive at your office.

Each cartridge is twice sterilized with a sterilizing filter followed by autoclave method.

Cartridges are then visually inspected with electronic laser for defects and impurities, including but not limited to: cracks, foreign particles, color and density, et al. Each cartridge is mylar-pack labeled to restrain the individual pieces in case of a break — thus avoiding any injuries. Each set of 10 cartridges is then blister packed to avoid breakage.

Finally, each cartridge is color coded as per industry standard ADA system.

Kerr launches Maxcem Elite

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For more information, stop by the Kerr booth, No. 1200.
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Seattle awaits pediatric dental professionals

Pike Place Market, The Space Needle, the EMP Museum and some of the top thought leaders in pediatric dentistry are among the reasons to be in Seattle from May 21-24 for the American Academy of Pediatric Dentistry (AAPD) annual session.

Scientific sessions are at the Washington State Convention Center, in the heart of downtown, adjacent to hotels, restaurants, nightlife and shopping. Taking advantage of the location, the welcome reception on Thursday, May 21, features exclusive access to the Space Needle, EMP Museum and Chihuly Gardens.

The keynote, on May 22, features Frank Abagnale with “The True Story of Catch Me If You Can.” An authority on forgery, embezzlement and secure documents, Abagnale became an expert of sorts 40 years ago as a world-famous con man, as depicted in his best-selling book, “Catch Me If You Can.” Leonardo DiCaprio and Tom Hanks starred in a Steven Spielberg film based on the book.

Attendees must register for the meeting prior to making hotel reservations to get the meeting rate. Hotels in the AAPD official block are the Sheraton Seattle (headquarter hotel), the Grand Hyatt Seattle, the Hyatt at Olive 8, the Fairmont Olympic, the Crowne Plaza, the Hilton Seattle and the Renaissance Seattle.

Three-day exhibit hall
Products and services in the meeting’s exhibit hall will be geared toward pediatric dental practices. An AAPD booth will have a bookstore, which will have copies of the Coding Manual, the new pediatric dentistry handbook.

Also in the exhibit hall will be the Healthy Smiles, Healthy Children Donor Lounge, where you can learn more about Access to Care Grants and donate to its supporting foundation.

The exhibit hall schedule provides attendees plenty of time to explore without conflicting with education courses.

A hospitality area on the exhibit hall floor will offer a continental breakfast, and there will be complimentary beverages each morning and afternoon and lunch available for purchase.

You can register for the meeting online at www.aapd.org/annual.
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