A tradition of excellence

By Kristine Colker and Fred Michmershuizen, today staff

The 106th Thomas P. Hinman Dental Meeting is well underway here in Atlanta, and the Georgia World Congress Center is abuzz with dental practitioners who have gathered for a comprehensive educational program, an opportunity to connect with compatriots and plenty of opportunities for socializing.

A lot of the meeting’s excitement can be found in the exhibit hall, where dental practitioners are invited to partake in a wide range of offerings. Many companies are showcasing new technology designed to advance the quality of care dental practitioners can offer their patients.

One such company is Anutra Medical (booth No. 612), which offers inno-

* see EXCELLENCE, page 3

So much to learn

By Kristine Colker and Fred Michmershuizen, today staff

A large part of the annual tradition at the Hinman meeting is a strong focus on education, and there are plenty of ways for meeting attendees to learn. Whether you are a dentist, a hygienist, an assistant, a lab technician or a member of a dental office staff, opportunities to expand your horizons abound here in Atlanta.

Offerings include lectures, workshops, table clinics, a learning lab and even a special booth in the exhibit hall (No. 1453) where you can schedule a 20-minute, one-on-one session with an expert in your field of interest.

Also in the exhibit hall, many companies are offering educational presentations right in their booths each day.
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Attendants wander the exhibit hall just minutes after the doors open Thursday morning.

EXCELLENCE  

Advantageous local anesthetic delivery with a focus on enhanced efficiency for the practitioner and an improved experience for the patient. To help spread the word on the “science of buffering,” Anutra has brought in a number of key opinion leaders. One of them is Dr. John Olmsted, who is offering a live product demonstration today from 9:15 to 9:30 a.m. Other speakers for Anutra include Lois Banta, Shannon Pace and Dr. Damon Adams.

In addition, Ryan Vet, vice president of marketing for Anutra, is speaking at 10 a.m. today at the New Product Showcase, located in Room A-402/403.

Planmeca USA (booth No. 627) is introducing a 3D ULD Certification Program to promote dialogue between patients and their dental practitioners on imaging radiation levels. “A Planmeca ProMax 3D system using ULD (Ultra Low Dose) can drastically reduce patient radiation by up to 77 percent, without a statistical reduction in image quality,” said Brett Hines, president of Planmeca USA, in a company press release announcing the certification program.

Due to attention in the lay press about this issue, the company said, it’s more likely that dental patients, too, may have questions and concerns. To help encourage these conversations about imaging safety, Planmeca is offering the complimentary certification program exclusively for its ProMax 3D ULD-capable systems.

The program includes office display materials, access downloadable digital materials for use on a practice’s website and social media outlets, a searchable database of certified dentists, and more.

Many other companies here in Atlanta are offering their popular, tried-and-true products and services. Case in point is Atlanta Dental Supply (booth No 1311), whose booth is one of the first you will see as you enter the exhibit hall.

Some exhibitors are featuring promotions tied in with the NCAA basketball tournament, while many other companies are offering exciting show specials or giveaways. One such company is Orascoptic (booth No. 1407), where you can have your badge scanned for a chance to win an Endeavor Headlight.

The exhibit hall is open today until 6 p.m. and again tomorrow from 9:30 a.m. to 3 p.m., so you still have time to get the most out of your experience at Hinman.
Scenes from Thursday

- Tom Richardson, president of Atlanta Dental, left, and Gary Kirkus help celebrate the company’s 150 years of service. Stop by booth No. 1311 to learn more about everything the company has to offer and to also take a photo holding one of these cute signs yourself!

- Becky Heitmann at the Nanova Biomaterials booth, No. 315, is happy to tell you all about the flowable and universal composites the company offers, among other products.

- Phil Pasit of Tokuyama (booth No. 419) wants everyone to stop by for their free mini kit.

- Julie Harder and Brad Kilbane show off Designs for Vision’s 4.5x MicroEF HDi Wireless LED Scopes. Stop by booth No. 1001 to try them on and see how they’ll work for you.

- Lisa Hull, left, and Bill Turner have a lot to offer you at the Shofu booth (No. 1519), including the Beautifil II LS composite and the EyeSpecial C-3 digital camera that was designed specifically for dentists.

- Allison Stancil, left, and Simmone Ellis at the Microcopy booth, No. 1521.

- Sherry Kim, left, and William Kim can tell you all about the evo fill duo at the DiaDent booth, No. 1645.

Photos by Kristine Colker, today Staff
The team at Bisco (booth No. 1337) has a new bulk fill composite, REVEAL HD, for you to come test out.

David Williams with the Lightwalker laser at the Fotona booth, No. 825.

Alcee Metevier shows off Coltene’s BRILLIANT Everglow at booth No. 1237.

The perfect chair is waiting for you at the RGP booth, No. 637. Come test one—or all—of them out today.

Henri Paszkiewicz speaks to an attendee about the benefits of VOCO’s new SolFlex 3-D printer at the booth, No. 701.

Are your basketball skills up to par? Stop by the Hinman Hoops area, located just behind Aisle 300 in the exhibit hall, between 11:30 a.m. and 1 p.m. and between 4 and 5:30 p.m. today for your chance to win some cash. The attendees who can score the most baskets during each of the two time frames will win a $100 gift card. Second place gets $50 while third heads home with $20. The event is sponsored by Atlanta Dental.

It’s not just fun and games at the TSG Safety booth, No. 830. Angela Thompson and Matt Thompson also help dentists meet OSHA requirements. The company offers training, inspections and program development. Stop by to learn more—and to maybe play a little air guitar, too.
At the Avid booth, No. 330, President/CEO Chris Carron, left, and Ellis Bentley Jr. are happy to tell you all about the new Avid Premiere Hygiene Handpiece.

For $6, you can get a tasty smoothie while also helping to sponsor scholarships for dental students. Located in the Total Health Pavilion (booth No. 1553), smoothies are just one part of this massive booth. There are also massages, free snacks and lectures. Earn one hour of C.E. for each hour of attendance.

Want to learn about Glidewell Dental’s new glidewell.io in-office solution? Everyone at booth No. 929 is happy to fill you in.

Gabrielle Smith, from left, Dan Norton and Chris Van Tine at the Sage Dental booth, No. 505.

Brad Winter, left, and John Hinton have the solution for your buffering needs at the Anutra booth, No. 612.

If it’s handpieces or instruments that you’re in the market for, you’ll want to head straight to the Brasseler booth at No. 937.

David Okeson, left, and Steve Lyons want to make sure all your AED and defibrillator needs are met at the ZOLL Medical Corporation booth, No. 1713.

Andy Culver, left, and Mark Hofman stand in front of the Vantage pan-ceph system at the Midmark booth, No. 919.
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GLIDEWELL
LABORATORIES
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.

For every step of any photo series, the EyeSpecial will automatically set the appropriate f-stop, aperture and focal length to deliver an ideal photograph, leaving an operator with the selection of a pre-programmed mode.

Incorporating intuitive, high-tech functions tailored specifically for dentistry, the EyeSpecial camera is designed to handle dental applica-

tions without requiring any retro-fitted 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 perspicacity 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.

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 swiftly disinfected with a sterilizing towelette, virtually eliminating the possibility of cross-contamination.

The latest model of this smart camera, 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.

Here in Atlanta

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. 1519.

The new and improved EyeSpecial C-3 digital dental camera helps dental practices and laboratories increase patient acceptance and productivity. (Photos/Provided by Shofu Dental)
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COLTENE expands HyFlex EDM endodontic product line to include new size and 20/.05 preparation file

By COLTENE Staff

COLTENE has expanded its HyFlex EDM endodontic product line. HyFlex EDM files are now available in 21 mm as well as 25 mm.

In addition, a 20/05 preparation file has been added to the line, which enables the clinician to treat curved canals only with the efficient HyFlex EDM system.

After creating a glidepath with the

10/05, the 20/05 file allows minimally invasive, fast preparation of the canal, according to the company.

HyFlex EDM files are indicated in cases with calcification or retreatment.

Fabricated using EDM (electrical discharge machining) breakthrough technology, HyFlex EDM offers up to 700 percent greater fracture resistance compared to traditional NiTi files (Int Endod J. 2015 May 22; doi: 10.1111/iej.12470). The OneFile is designed to increase the number of cases that can be prepared with confidence using just one or two HyFlex EDM files.

Here in Atlanta

Visit booth No. 1237 to see the new HyFlex EDM files for yourself. To request a free sample, visit Hyflexedm.coltene.com.

*The HyFlex EDM file. (Photo/Provided by COLTENE)*
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*According to "Dosimetry of Orthodontic Diagnostic FOVs Using Low Dose CBCT Protocol" by JF Ludlow and J Wolverson.

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Visit us @ Booth 1311 as you enter the main entrance of the exhibit hall
REVEAL HD Bulk: When you need speed but don’t want to sacrifice strength or esthetics

By Dr. Joseph Kim

When it comes to composite restorations, dentists are often asked to sacrifice speed for quality or quality for speed. This has been especially true when it comes to bulk fill composites, which brought the promise of larger increment sizes but required specialized equipment or were otherwise difficult to handle.

Now, clinicians can have a composite that easily adapts to the tooth and can be used in a true bulk fill technique. REVEAL® HD Bulk is BISCO’s new bulk fill light-activated restorative composite, optimized for simpler and faster posterior restorations. REVEAL HD Bulk combines appropriate handling, depth of cure and polishability, allowing clinicians to provide patients with functional and esthetic composites while saving valuable chair time.

REVEAL HD Bulk allows for layering increments up to 5 mm because of its predictable depth of cure. This feature is accompanied by low volumetric shrinkage, high flexural strength and excellent radiopacity, resulting in long-lasting, durable restorations.

While REVEAL HD Bulk is indicated for all direct and indirect restorations, clinicians will appreciate the significant time savings that bulk filling provides, especially in posterior teeth.

Like other restorative composites, it is important to maintain adequate isolation to prevent contamination of the tooth from saliva and blood. When indicated, use of a sectional matrix system with significant separating force will ensure excellent adaptation to the proximal margins, as well as minimize interproximal food impaction.

After excellent isolation has been achieved, a universal bonding agent, such as ALL BOND UNIVERSAL® is applied to all prepared surfaces according to manufacturer instructions. When possible, it is ideal to selectively etch the enamel surfaces where the composite is intended prior to application of the bonding agent, resulting in minimal long-term marginal leakage and dentinal sensitivity issues.

Depending on operator preference, a flowable composite resin may be used in the deepest and least accessible areas of the preparation, including undercuts and the cavosurface margins of proximal boxes. The appropriate shade of REVEAL HD Bulk can be placed in a single increment for most Class 1, 2 and 3 restorations. For preparations that include areas that are deeper than 5 mm, it is advisable to build the restoration in appropriately sized increments.

Keep in mind that because of its unique chemistry, care should be taken to avoid unnecessary exposure to light, including from ambient and overhead sources, in order to avoid premature hardening of the material. Finally, the restoration can be finished with fine diamonds and finishing carbides, followed by finishing points. It is worth noting that since REVEAL HD Bulk’s viscosity has been tuned for bulk fill applications, it is preferable to limit occlusal carving and shaping to primary anatomy prior to curing. After curing, greater detail may be added with finishing burs, as needed.

Alternatively, when darker or opalescent restorative composite shades are required, REVEAL HD Bulk can be placed and cured short of the occlusal cavosurface margins. The final layer can be a traditional restorative composite in an ideal shade and opacity. Because REVEAL HD Bulk is universally compatible, it will serve as an excellent base under all light-activated restorative composites.

REVEAL HD Bulk has been specifically designed to address the needs of clinicians who require the speed of a bulk fill restorative composite without sacrificing strength and ignoring esthetics. It is currently available in the most commonly used shades, from A3 to B1, in both syringe and unit dose form.
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New hygiene handpiece also focuses on ergonomics

By Avid Dental Products

Avid Dental Products® is excited to launch its newest product, the Avid Premier™ Hygiene Handpiece.

The Avid Premier was designed with proper sterilization procedures in mind. Industry standards are ever changing. The need to quickly access a sterilized handpiece has become a priority.

The Avid Premier comes standard with four aluminum sleeves, providing hygienists with an uninterrupted workflow. The seamless transition between sleeves allows for a faster, cost-effective procedure. Hygienists will spend more time polishing and less time sterilizing, according to the company.

The Avid Premier is quiet and lightweight. Hygienists have the option to use a barrier sleeve to cover the rear portion of the motor. Oiling is not necessary with this handpiece. Additional sleeves are available for purchase to last an entire work day.

All industry disposable prophylaxis angles work with the Avid Premier Hygiene Handpiece. The Avid Premier motor comes with a lifetime warranty when used with Avid Fit® Disposable Prophy Angles.

The Avid Premier is now available at booth No. 330.

In addition to the Avid Premier, the Avid Fit Hygiene Handpiece is a great addition to dental practices focusing on ergonomics. Hygienists are able to polish while keeping their wrists in a truly neutral position. The Avid Fit was launched in 2016, and it was just named “2018 Dental Advisor Top Award — Innovative Design,” receiving a ++++ (87 percent) rating. Recent updates to this product include a sterilizable locking seal.

Avid Dental Products’ product line also includes soft cup, firm cup and mini soft and firm cup disposable prophylaxis angles. The angles work with the Avid Fit Hygiene Handpiece and the Avid Fit Disposable Prophy Angles. Carron continues to lead Avid with expertise, motivation and determination.

Avid Dental Products strives to continually provide the dental industry with superior ergonomic and innovative products while building strong, mutually profitable relationships with customers, the company asserts, adding that its team has extensive knowledge of the dental industry with high-quality products and a strong commitment to customer service. The result, according to the company, is excellent order fulfillment and service for customers.

Established in 2014 and located in Bloomsdale, Mo., Avid Dental Products began when its founder, Chris J. Carron, recognized the need for ergonomic dental products and developed the Avid Fit Hygiene Handpiece and the Avid Fit Disposable Prophy Angles. Carron continues to lead Avid with expertise, motivation and determination.
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Protecting your practice from infection with steam sterilization

By Midmark Corp. Staff

There are two things that can really put a damper on a dentist’s day: a patient who just ate a garlic lovers’ pizza and instruments that are not properly sterilized.

While there’s not much that can be done about the pizza — we probably won’t see a ban on garlic anytime soon — there is technology available to help dentists properly sterilize instruments and prevent the spread of infections.

The need for infection control has never been greater. As the threat of antibiotic-resistant infections continues to rise, dentists, staff and patients are more concerned about the transmission of infection than ever before. Controlling bacterial contamination through sterilization is considered the most essential component in the infection control process.

Proper instrument sterilization is a must for protecting patients, physicians and staff against various infectious diseases.

The Centers for Disease Control and Prevention (CDC), in its 2003 Guidelines for Disinfection and Sterilization in Healthcare Facilities, recognized and recommended steam sterilizers (also known as autoclaves) as an economical and dependable sterilization method for use in dental settings. As a result, the majority of the tabletop sterilizers used in today’s practices utilize some form of steam sterilization.

Tabletop steam sterilizers come in a variety of types and sizes and provide multiple sterilization cycles for processing various load types. The primary difference is in how they remove trapped air inside the chamber and load once the sterilizer is closed.

Following are the three main types of tabletop steam sterilizers.

Gravity displacement sterilizers

Gravity displacement sterilizers use a passive air removal system to remove trapped air from the chamber. While the water is heated and converted to steam, the heavier air moves to the lower portion of the chamber where it is expelled through a temperature-controlled mechanical valve.

Once the air or vapor flowing through the valve reaches the valve set point (usually around water’s boiling point of 212 degrees Fahrenheit), the valve closes for the remainder of the cycle.

With this type of air removal, there is the potential for small amounts of air to remain trapped in the chamber or load after the valve closes. For this reason, cycle times are typically longer and terminal sterilization of some complex devices may not be possible.

This type can sterilize liquids, provided that a slow vent feature is incorporated in the design.

Prevacuum sterilizers

Prevacuum sterilizers use a dynamic air removal system of vacuum pulses to eliminate trapped air. In this system, a vacuum pump actively draws air from the sterilizer chamber prior to and during the heating phase.

Some models use multiple vacuum pulses (fractionated vacuum) for some or all cycle types to maximize air removal, and some models include a vacuum pulse at the end (post-vacuum) of the cycle to speed up the drying phase.

While this method may provide a shorter cycle time as a result of its more complete air removal, it cannot be used to sterilize liquids.

Prevacuum sterilizers are used to sterilize instruments with a porous structure that will not trap air and are more expensive, but may be necessary for instruments that need to be sterilized in a shorter cycle time.

Steam flush pressure pulse (SFPP) sterilizers

SFPP sterilizers employ a dynamic air removal system of steam flushes and pressure pulses to remove trapped air. In this system, an electronic valve is cycled open and close as the chamber pressurizes during the heating phase to expel air or steam from the chamber and load.

As with prevacuum sterilizers, air removal is more complete than gravity displacement cycles and permits shorter cycle times.

Air removal also occurs through atmospheric pressure pulses rather than vacuum pulses, eliminating the need for daily leak testing.

Liquids can be sterilized in SFPP sterilizers, provided a specialized cycle with a slow vent and special pressure-pulsing routine is in the design.

Midmark sterilizers

While all three steam sterilizer types are recognized and recommended by the CDC and ANSI/AAMI, Midmark utilizes the SFPP methodology in its line of industry-leading tabletop sterilizers.

The reason is quite simple: It’s the best choice for dental practices that are looking for effective, reliable sterilizers that are easy to use. Also, since SFPP technology does not require a vacuum, air filter or daily Bowie-Dick testing, they have a lower cost of ownership.

As the market leader in steam sterilization — with more than 63 percent market share of dental tabletop sterilizers, according to the company — Midmark understands the needs of dental practices when it comes to patients and staff.
spring cleaning that pays

Now is the time to spruce up your instrument processing area AND get cash back!

Are you ready to turn your sterilization center in a safe and more efficient space for your practice? Or do you just need to replace some equipment? Midmark is ready to help! Get started now with a $400 CASH REBATE* on ANY Midmark sterilizer or QuickClean™ ultrasonic cleaner, now through May 31, 2018!

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Some restrictions apply. See website for promotion details and full terms and conditions, as well as how to redeem rebates.
RecordLinc launches patient-to-patient online dentist referral software

Check out ‘I LUV MY DENTIST’

By RecordLinc Staff

After months of successful beta testing, RecordLinc, a dental practice-management software company, recently announced the official launch of “I LUV MY DENTIST,” the newest addition to its suite of automation products.

This web-based software gives patients a simple way to submit word-of-mouth referrals using email, texting and social-media platforms. The fully automated system seamlessly integrates with the most popular practice-management systems and requires no team training.

Once “I LUV MY DENTIST” is installed, it operates on autopilot, inviting top patients to refer friends to dental practices by sharing contact information. “70 percent of patients say they chose their dentist based on a word-of-mouth referral, and we make it easy to increase word of mouth referrals,” said Travis Rodgers, CEO of RecordLinc.

Another feature of “I LUV MY DENTIST” is the addition of positive testimonials listed directly on the dental office website.

“When your existing patients like and trust you, they’re your strongest advocates,” says RecordLinc CEO Travis Rodgers, left, with Dr. Derek Wallin.

(Photo/Provided by RecordLinc)
REVEAL • noun • [rəˈvɛl]

A brand of restorative materials that allow clinicians to craft restorations with confidence, and ensures efficiency while maximizing quality. A product that offers best-in-category depth of cure, essential handling and placement, and superior polishability.
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, according to the company, which asserts that the Dia-X Rotary File is highly integrable as it is designed to work with your current technique and system.

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

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

D3, D4, and D5 are the finishing files and have yellow, red and blue identification rings. These finishing files have a decreasing rate of taper to improve flexibility and safety by reducing the potential for dangerous taper lock. Usually only one finishing file is needed to prepare the apical third of a canal. All Dia-X Rotary Files have depth markings on the blade to save chair time. The company suggests using the 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. 1645, here in Atlanta. DiaDent will also be exhibiting at the AAE meeting (booth No. 724) from April 26-28. For more product and company information, call (877) 342-3368.
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