A floor full of options

Here in Atlanta, you can get your hands on the latest and greatest in dentistry

By Fred Michmershuizen, today Staff

Nearly 23,000 dentists, hygienists, assistants and office staff from around the country have gathered here in Atlanta for the 102nd Thomas P. Hinman Dental Meeting. In the exhibit hall, hundreds of companies are showcasing the newest and most innovative advancements in dental technology.

One noteworthy product on display here at the Georgia World Congress Center is the Planmeca PlanScan. The intraoral digital scanner, driven

Continuing to educate

By Fred Michmershuizen, today Staff

If it’s continuing education you’re after, you’re in the right place. For more than a century now, those in the dental profession have come to the Thomas P. Hinman Dental Meeting to learn and grow professionally.

More than 230 workshops, lectures and courses, featuring a broad spectrum of topics and cutting-edge technologies, are being presented here in Atlanta by approximately 65 of the country’s leading dental experts.

This year, the American Academy of Facial Esthetics (AAFE) teamed up with Hinman for some special offerings, including “Frontline TMJ Syndrome, Facial Pain Therapy and Trigger Point Injections for Every Dental Practice,” presented on Wednesday, and “Botox Training and Dermal Filler Training,” presented on Thursday.

For more course offerings, check out the official program, available throughout the convention center, or download the Hinman 2014 mobile app.

Participants work with pig jaws during a hands-on oral surgery workshop conducted by Dr. Robert R. Edwab on Friday morning. (Photo/Fred Michmershuizen, today Staff)
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- **06-5200** - FUSION-Zr DC Resin Cement 1ea. 7gm Syr. Crystal Clear ($179.95)
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2. **Indirect Esthetic Dentistry**
   June 27 (Fri) - 28 (Sat)
3. **Full Mouth Esthetic Reconstruction**
   July 25 (Fri) - 26 (Sat)

Each is a course in itself, but together they form a complete study in esthetic and cosmetic dental treatment. By combining good business practices as taught by Debra Engelhardt Nash in the Business School for Esthetic Dentistry with the expertise gained by taking the clinical courses, improved practice success is virtually guaranteed.

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This 2014 Audi TT convertible will go to a lucky winner. Have you gotten your raffle ticket yet?

Nano HD loupes from Orascoptic; the 3000 dental chair with “Narrow Back Advantage” from Pelton & Crane; and the NuStar SII dental chair from Marus.

by E4D Technologies, is on display at Henry Schein Dental. The scanner is designed to be super easy, super accurate and super fast.

The KaVo Kerr Group is boasting a portfolio of 20 new products, all linked across the organization’s newly formed global platform of brands. Products include MASTER-torque M8900L handpieces from KaVo; the Demi Ultra Curing Light and an enhanced SonicFill II from Kerr; the CariVu caries detection device from DEXIS; the i-CAT FLX MV CBCT from i-CAT; the ElementsFree cord-free obturation unit from Axis | SybronEndo; the Op300 Maxio digital panoramic imaging system from Instrumentarium; the ProII handheld intraoral x-ray unit from NOMAD;

Hinman is raffling a 2014 Audi TT convertible. Tickets, available in the registration area, are $100 each or six for $500. Only 700 tickets are being sold.

The Grand Prize winner can choose between a three-year, 10,000-mile-a-year lease on an Audi or take a $20,000 cash equivalent.

Second prize is a $2,000 Ritz-Carlton gift certificate, and third prize is $1,000 cash.

Proceeds benefit Hinman’s dental scholarship fund.

Also of note is a special prize program that includes a “Treasure Quest” scavenger hunt, a “Wheel of Chance” roulette game with prizes and jewelry giveaways, the raffle for a new Audi convertible and the chance to receive Delta Skymiles and cash.

A new car!
Scenes from Friday

*The DEXIS booth (No. 1001).*

*Glynis Clark, left, and Erin Primerano of DrQuickLook (booth No. 845).*

*From left: Hannah Kwon, Terry Danner and Soo Lim of Hiossen (booth No. 208).*

*The gang at eDentalImage (booth No. 2125).*

*From left: Bill Turner, Tracy Deprimio and Mike Gainsberg of Shofu Dental Corp. (booth No. 730).*

*From left: Cherisse Chin, Rao Wu and William Buckley of Reputation.com (booth No. 453).*

*Exhibits are down, classrooms are up.*

*Douglas McCarthy, left, and Robert Grice of Accurate Mfg. (booth No. 1152).*

*Brix Gatti of GumChucks at Oralwise (booth No. 341) passes out samples.*

Photographs by Fred Michmershuizen, *today* Staff
From left: Ed Matthews, Lawrence Taub and Mike Donohue of TAUB Products (booth No. 938).

Bruce Henry, left, and Jeremy Woods of Gergens Ortho and Sleep Appliance Lab (booth No. 748).

Get your information here.

A meeting attendee gets fitted for a loupe at Orascoptic (booth No. 1009).

Michelle Norwood of TruDenta (booth No. 307).

The Henry Schein Dental booth (No. 709).

George Maday of Toviga (booth No. 1452).

From left: Alicia Rollo, Nicki Rossi and Brent Meter at the Dental Access Mobile Clinics booth (No. 1344).

Zaira (Sherry) Mosquera of Reputation Impression (booth No. 449).
Meeting attendees listen to a presentation from a dental student in the table clinic area on the exhibit hall floor.

Malcolm Campbell of Affinity Bank (booth No. 2233).

Brian Brunson, left, and Mitchell Sampson of OneMind (booth No. 2231).

Steve Pardue of Elevate Oral Care (booth No. 553).

The folks at Tess Oral Health (booth No. 1243) dispense product information to meeting attendees.

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The dental community is continuously searching to find safe and effective ways to minimize patient trauma resulting from the dental drill. Convergent Dental, a dental equipment and technology company, has developed Solea™ — the world’s first computer-aided, CO2 laser system cleared by the FDA to cut hard and soft tissue — to usher in a new era of dread-free dentistry.

Looking toward the future
Every day, more and more dental lasers are being used in dental practices to provide a nearly drill-free patient experience. Solea offers innovative solutions to challenges the dental laser industry has been unable to address thus far.

Science behind Solea
The effectiveness of Solea’s unique 9.3 micron wavelength is rooted in studies conducted by the University of California, San Francisco (UCSF), led by Dr. Daniel Fried and Dr. John Featherstone, proving that 9.3 micrometers is the wavelength that matches the peak absorption of laser energy by hydroxyapatite (the major component of enamel and dentin).

Solea’s laser uses an oxygen-18 isotope and other modifications to achieve this unique wavelength, cutting enamel with smoother margins vs. erbium lasers, which vaporize water and chip the enamel away. Even at 9.3 microns, Solea’s modified CO2 laser cuts soft tissue as reliably and precisely as native CO2 soft-tissue lasers.

Solea’s wavelength is optimized by galvos—computer-controlled motors that move mirrors inside the handpiece. The galvos manipulate the beam up to 10,000 times per second, creating patterns that are optimized for different types of tissue and spot sizes.

With Solea, dentists can use four different spot sizes, ranging from 0.25 mm to 1 mm, while maintaining a consistent distance from the handpiece to the target tissue from any angle.

Visit booth No. 239 for insight into Solea’s technology and a hands-on demonstration. For more information, visit www.convergentdental.com.
DEXshield by DEXIS helps dentists control dose

By DEXIS Staff

DEXIS has made it a priority to design devices to help dentists control dose. Currently, the DEXIS Platinum sensor offers the best results at the lowest dose. The company has now taken dose reduction a step further with the DEXshield, which you can see in the DEXIS booth, No. 1001. DEXshield is a unique dental X-ray position indicating device and a patented patient protective shield. When used in conjunction with the DEXIS Platinum Sensor, this new device not only reduces radiation to the patient but also aids in proper positioning for image capture. DEXIS is the only company to provide both an intraoral sensor (DEXIS Platinum) and a shielded ring (DEXshield), with the added benefit of dose reduction.

In a laboratory setting, DEXshield plus the DEXIS Platinum sensor was determined to reduce absorbed dose by at least 30 percent as compared to the Universal Ring plus the DEXIS Platinum sensor. During dental radiographic procedures, DEXshield’s tungsten core is able to block unnecessary X-rays. The resulting dose reduction does not affect image quality because the needed amount of radiation passes through the ring for optimal imaging results.

DEXshield was created to be easier to use than rectangular collimation, and both were designed to reduce unnecessary dose to the patient. To overcome some of the limitations of rectangular collimation, DEXshield, when properly used with the DEXIS Platinum sensor, allows the operator to easily establish correct positioning and alignment. Appropriate positioning minimizes cone cuts, which subsequently may reduce retakes that, in turn, potentially reduce even more unnecessary exposure.

Learn more about how you can help your patients with DEXshield, now in the DEXIS booth, No. 1001.

Here at Hinman
Check out the DEXshield and the DEXIS Platinum sensor at booth No. 1001.

Data on file

The DEXshield works in conjunction with the DEXIS Platinum sensor to reduce radiation doses to patients. (Photo/Provided by DEXIS)
By Dr. Andy Denny

Thanks to the latest advances in cosmetic tooth alignment, general dentists are now able to provide simple, straightforward treatment for adult patients over a relatively short span of time. Treatments such as Six Month Smiles give the general practitioner a powerful new tool with which to straighten anterior teeth.

Case presentation

Kelly had always been concerned about the appearance of her teeth, particularly her crossed-over front teeth and the lateral teeth that she used to call “fangs.” She was also aware that her front teeth at the bottom were fairly crowded as well. This meant she was seriously lacking confidence and really didn’t like the way things looked.

Before she came to our practice, Kelly had been to consultations with specialist orthodontists and declined the long-term treatment option. When she came to see us, we discussed how the ideal situation would be for her to have comprehensive orthodontic treatment, but if she still wasn’t interested in the long-term option, there might be an alternative solution in the form of Six Month Smiles.

This option was extremely appealing to Kelly, who wanted to have a faster and cosmetic solution to her crooked teeth.

After just about six months, her teeth were aligned and the treatment was complete. To finish everything off, we carried out some edge bonding and shaping of the tips of the upper incisors to enhance the final esthetic result.

Kelly was absolutely delighted. There was a noticeable improvement in her smile, and from a hygiene point of view, her teeth are now easier to maintain.

Another pleasing aspect of the result is the regeneration of her papilla between the upper central incisors. This is a particular esthetic benefit of tooth alignment treatment vs. a pure restorative solution, because in a case like this, it’s not just about the shape of the teeth but having them in the right position to give a pleasing cosmetic result by enhancing the pink esthetic frame for the teeth.

One of the great things about the Six Month Smiles system is it takes a lot of the complexity out of providing simple fixed orthodontic treatment for patients whose chief complaint is cosmetically focused and who have already turned down comprehensive orthodontics. It allows us to achieve a fantastic result without having to resort to aggressive veneer preps or other restorative procedures.

With treatments such as Six Month Smiles, there is now a powerful option for patients who have in the past had to opt for comprehensive treatment or just done nothing at all.
New open CAD/CAM solutions for dentists and dental laboratories

By Planmeca Staff

Planmeca is introducing a full range of open CAD/CAM solutions for dentists and dental labs to complete its offering in dental equipment and software. The dentist or lab can choose either the entire workflow solution or only certain parts, according to their needs.

This is made possible with Planmeca’s open interfaces between devices and software. From high-precision desktop milling units to sophisticated CAD software, this unique solution includes all necessary tools for open CAD/CAM dentistry.

Integrated workflow for dentists

Planmeca PlanScan™ is a digital impression scanner for ultra-fast, powder-free 3-D scanning. The scanner provides real-time digital impressions from one-tooth to full-arch scans. The open STL data output means the scanned data can be sent to any dental lab for CAD work. Planmeca PlanScan is the first dental unit-integrated impression scanner. Alternatively, it is available as a standalone version and can be connected, such as to a laptop.

Planmeca also offers dentists a new open CAD software suite for 3-D design. Planmeca PlanCAD™ Easy is integrated in the Planmeca Romexis® software and is for designing prosthetic works from individual inlays to bridges. The ready design can then be sent to Planmeca PlanMill™ 40, a new milling unit targeted for dentists and designed for glass ceramic and other material works. The four-axis milling unit is quick and accurate.

Integrated workflow for dental labs

For dental laboratories, Planmeca offers Planmeca PlanScan Lab, a fast and maintenance-free desktop lab scanner for scanning plaster casts. The design phase is done in the open Planmeca PlanCAD Premium lab software, after which the ready design is sent to Planmeca PlanMill 50, a five-axis milling machine designed for dental labs.

Alternatively, the lab can order milling services from Planmeca’s CAD/CAM milling centre PlanEasyMill™, which offers a wide range of materials and fast deliveries.

“Our CAD/CAM solutions are truly unique, as the system is completely open and flexible,” said Jukka Kannervo, director of dental care units and CAD/CAM division at Planmeca Oy. “Dentists and laboratories can choose either the entire solution and benefit from the integrated workflow or just pick the necessary parts and send the open data to their partners. This is truly digital perfection.”

Here at Hinman

For more information on any of Planmeca’s products, stop by booth No. 819.
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