Refresh your practice

By today Staff

There is no better way to see the evolution of dentistry than with leisurely strolls through the exhibit hall, year after year, here at the AGD Annual Meeting & Exhibits. And with this year’s theme being “Rethink. Refresh. Renew,” it is even more apt to take a look at some products and technology that could help change the way you practice on a daily basis.

• In booth No. 440, you can catch a quick demonstration of the new Isovac by Isolite Systems. The device attaches to the Isolite Mouthpiece, creating a system that holds the patient’s mouth open, retracts the tongue, delivers plenty of light and provides continuous hands-free vacuum suction throughout the procedure.

• Generating a lot of interest at the Shofu Dental Corp. booth (No. 725) is the EyeSpecial C-II Digital Dental Camera. Shofu describes the camera for C.E. courses, new dental equipment and instruments, dental publications, jewelry, artwork, sporting event tickets, luxury gift baskets, gift certificates and vacation getaways. Find the auction outside of Oakland Hall. It continues through Saturday.

Education, networking, auctions and more

By today Staff

There is no shortage of things to do here at the AGD Annual Meeting & Exhibits, be it attending educational programs, networking or doing your part for charity.

Topics up for discussion in today’s continuing education sessions include oral surgery (“Everything You Wanted to Know About Oral Surgery, But Were Afraid to Ask”), sleep apnea (“The Nuts and Bolts of Treating a Snoring and Sleep Apnea Patient: A Hands-On Workshop”), dental marketing (“Effec-


If you are more here for networking, make sure to attend the networking reception from 5 to 6 p.m. in Exhibit Hall C. You’ll find a beverage ticket in your registration packet.

For those of you who have a few extra funds, why not make a bid at the annual AGD Foundation Silent Auction Fundraiser? Funds raised go toward outreach programs that make dental care available to underserved populations, children, the elderly, and those with physical and intellectual disabilities.

Auction items include C.E. courses, new dental equipment and instruments, dental publications, jewelry, artwork, sporting event tickets, luxury gift baskets, gift certificates and vacation getaways.

Find the auction outside of Oakland Hall. It continues through Saturday.
EyeSpecial C-II

NEW! Visit us Booth #725

Built in dental cropping grid lines to get a clear and concise image, the first time.

SMART DIGITAL CAMERA, DESIGNED EXCLUSIVELY FOR DENTISTRY

- 8 clinical shooting modes - easier, faster and more reproducible images
- Water and chemical resistant - essential for infection control in the office
- Small in size, easy to hold with one hand - anti-shake mode built in
- Large LCD touchscreen - works with exam gloves
- Exceptional depth of field range

Visit www.shofu.com or call 800.827.4638
as being the only one on the market designed specifically for dentistry. It features eight pre-set dental shooting modes, a lightweight body design and a water-and-chemical-resistant outer surface.

- Over at the Orascoptic booth (No. 119), you can try on the new Nano HD loupes, which are not just high-definition but also lightweight and comfortable.

- At the MIS Implants Technologies booth, No. 109, you can check out the MGUIDE Guided Implantology System, which is designed to streamline and simplify treatment planning for dental implants. The system also allows you to present a treatment plan to patients, which thereby can increase their comfort level.

- At Ivoclar Vivadent, there's lots of excitement about e.max ceramic, which is ideal for correcting cracked or chipped teeth, discoloration or unsightly metal restorations. You can stop by the booth (Nos. 425/427) to get your picture taken and be interviewed for social media about this and many other products.

- Finally, at Ellman International (booth No. 717), you can see a demonstration of the company’s Surgitron line of advanced radiofrequency (RF) generators. Operating at a frequency of 4.0 MHz, the Surgitron is designed to provide surgical precision and controlled hemostasis for a variety of procedures, including gingivectomies, frenectomies, crown and bridge preparations, pulpotomies, incision and drainage, and coagulation.

Of course, these are only just a few of the available products and technology here at the AGD, so make sure to hit every aisle — you never know what you might find!

The exhibit hall is open from 10 a.m. to 6 p.m. today and from 10 a.m. to 3 p.m. Saturday.

Kevin Bourland of Shofu (booth No. 725) explains the features of the new Eyespécial C-II to Dr. Elio Filice, left, and Dr. Joseph Belsito during the opening hours of the AGD exhibit hall on Thursday.

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Scenes from the AGD

- Vito Verrura of DentalVibe (booth No. 241) demonstrates the DentalVibe comfort injection system for Dr. Kimberly Pitts, left, as Dr. Dava Dickson looks on.

- Why stop at buying dental products and equipment? You are in Detroit after all. Take a look at the cars on display and maybe purchase one of them to take home as well.

- Carl Holmes, George Eberhardt and John Lawrence, members of John Lawrence’s Trio, entertain the crowds in the exhibit hall with jazz music on Thursday.

- Dental team members Mona Wilson, from left, Courtney Cardew, Heather Cupit, Wendy McCarty and Sarah Franco stop for a second before heading off to explore the AGD Annual Meeting & Exhibits.

- Dr. Fares M. Elias, former AGD president, cuts the ribbon Thursday afternoon, officially declaring the exhibit hall open.

- Avery Sandiford (at booth No. 604) wants to tell you all about this year’s Greater New York Dental Meeting, happening from Nov. 28 to Dec. 3.

- Find the AGD Foundation Silent Auction Fundraiser outside of Oakland Hall. Items up for bid include a handcrafted knife, St. Louis Cardinals baseball tickets and U.S. Navy Dental Corps, anniversary coins.

- Dan O’Donohue, left, and Larry Stohler invite you to check out all the telescopes and LED headlight systems available at the Designs For Vision booth, No. 501.

- Stop by the Glidewell booth, No. 203, and say hello to Monica Diaz, left, and Katherine White.
Utilizing a digital workflow for provisionalization with BioTempes

Case illustrates that digital impressions aren’t limited to final restorations and single units

By Tarun Agarwal, DDS, PA

Today’s digital impression technology enables dentists to create a virtual, computer-generated replica of the hard and soft tissues in the mouth quickly and accurately, using their choice of optical scanning device. As an ardent supporter of digital impressions, I make every attempt to digitize our restorative workflow. There are numerous benefits to a digital impression:

• Efficiency: It takes less time to take a digital impression than a traditional impression.
• Quicker turnaround time: Clinicians often forget or fail to realize the true value of this. Getting restorations back faster is better for the patient, the practice and the overall case outcome.
• Cost savings: Have you ever calculated the cost of taking a traditional impression for a final restoration? If you add up what your office spends on impression materials, chair time and case shipping fees, you will be amazed at how much is spent on traditional methods.

Case presentation

The female featured in this article has been a patient in our practice for nearly eight years. She has a PFM bridge fused to metal from tooth #5 to #12, replacing missing #7 to #10. She is not terribly unhappy with the look and feel of the bridge, but the bridge has been no stranger to the big issue facing PFM restorations: the chipping of porcelain from the metal substructure.

During the past eight years, we have patched various corners and lingual surfaces.

Recently, the patient agreed to replace her long-span PFM bridge with an implant-supported bridge on #7 to #10 and individual crowns on the abutment teeth. However, she was adamant about not going a day without teeth. We advised her that this would not be an issue.

Because of the complexity of her implant surgery, immediate loading was not possible. This meant we needed a long-term esthetic provisional that would last the duration of the treatment, could be removed for surgery and was adjustable for post-surgical contouring.

A BioTempes® provisional bridge (Glidewell Laboratories, Newport Beach, Calif.) was the quick and easy answer.

Traditionally, BioTempes are made prior to preparation and relined chairside. In this case, I wanted to have the BioTempes made to fit the final preparations of the abutment teeth, which would later be converted to individual restorations. As an advocate of digital impressions, I chose to follow a digital workflow.

The provisional BioTempes bridge offers the following important advantages in this case:

1) Trial smile: The patient gets a “trial” of the new contours. Any modifications to length or contour can be made chairside, avoiding costly remakes and unhappy patients.
2) Long-term durability: Because of the complexity of this case, full treatment will take much more than 12 months. An acrylic provisional fabricated chairside simply won’t hold up this long.
3) Removability: For implant surgery, the specialist will need the ability to remove and re-cement the provisional with relative ease.
4) Adjustability: The necks of teeth #7 to #10 will need to be adjusted after surgery to remove any pressure to the surgical sites. BioTempes are easily adjusted.
5) Surgical assistance: The contours and esthetics of the BioTempes will serve as a “guide” to the surgeon for grafting and placement of the implants.

As this case illustrates, digital impressions are not just limited to final restorations, and certainly not just to single units. It’s time for you to take a closer look at digital restorative technologies and see how they can benefit your practice and your patients.

Here at the AGD

For more information on BioTempes provisional bridges, stop by the Glidewell booth, No. 203.

About the author

Dr. Tarun Agarwal maintains a full-time private practice emphasizing aesthetic, restorative and implant dentistry in Raleigh, N.C. You can contact him via e-mail at dra@raleighdentalarts.com or visit www.raleighdentalarts.com.
Take polishing to an ‘X-Treme’ level

New Super-Snap X-Treme offers greater flexibility, thickness and gloss results

By Shofu Dental Staff

Here at the AGD Annual Meeting & Exhibits, Shofu Dental is launching the next generation of Super-Snap: Super-Snap X-Treme, an enhancement to the original green fine and red superfine Super-Snap polishing disks.

The new Super-Snap X-Treme was designed to meet varied clinician preferences and advancements in composite technology. X-Treme disks offer greater flexibility, extra thickness for an increased tactile feel and extreme gloss results because of an advanced 3-D grit technology.

Since 1922, Shofu has been an industry-leading manufacturer of high-quality polishers and abrasives that exceed the demands of dental professionals around the world.

The company’s extensive knowledge of direct and indirect restorative materials, combined with stringent quality-control standards, ensure optimal contouring, finishing and polishing, no matter what the material, according to the company.

Super-Snap disks are widely recognized and utilized within universal dental offices. The four-step, color-coded disk system is designed for easy, fast and safe contouring, finishing and polishing of all microfilled and nano-hybrid composites. It is no surprise that Super-Snap Singles have been awarded “Top Composite Finishing and Polishing System” by The Dental Advisor for six years in a row.

The new Super-Snap X-Treme polishing disks provide many of the same features and benefits as the original Super-Snap disks.

Both red and green X-Treme disks have an elastic silicone shank mount for easy placement onto the mandrel. They are manufactured without a metal center to eliminate the risk of gouging or discoloration of the composite and increase the stability of the disk surface for polishing.

The extra thickness improves stiffness and durability while maintaining flexibility in interproximal areas. Greater force can be applied when polishing composites with the thicker Super-Snap X-Treme disks, allowing a noticeable increase in tactile feel and helping to produce a beautiful, glossy result to your restorations.

Advanced 3-D technology

The red superfine X-Treme disk features a new, advanced 3-D technology composed of round, semispherical grits homogeneously arranged on the entire disk surface (Figs. 2a, 2b).

The new semispherical-shaped surface provides space to discharge ground debris resulting in less clogging of the disk and secondary scratches on the composite. Ground debris can collect and discharge within the crevices of the semispheres, helping to maintain a smooth disk surface for polishing (Fig. 3).

X-Treme gloss results

Super-Snap X-Treme disks are taking polishing to the next level. A unique combination of extra thickness and advanced 3-D grit technology allows dentists to exceed the aesthetic demands of patients. Shofu’s internal test results demonstrate extremely low surface roughness and remarkably higher gloss levels compared with competitors (Fig. 4).

Check it out today!

Shofu Dental’s new Super-Snap X-Treme polishing disks are available in standard (12 mm) or mini (8 mm) sizes within a 100-piece kit, including both red and green X-Treme disks, or as individual disk refills of 50. Suggested retail price per kit is $47.60, and disk refills are $25.05.

X-Treme disks can be used in conjunction with the original black contouring and violet finishing Super-Snap disks.

Visit Shofu at booth No. 725 today to experience the new Super-Snap X-Treme.

Buy one box of the new Super-Snap X-Treme during the AGD and receive a free Super-Snap X-Treme souvenir car. (Photos/Provided by Shofu Dental)

Here at the AGD

To see the new Super-Snap X-Treme, stop by the Shofu booth, No. 725. If you buy one box of the new product here during the AGD Annual Meeting, you will receive a free Super-Snap X-Treme souvenir car.

The following test was conducted to see a level of gloss after using well-known disk polishers to composite. The composite test samples of Beautifil II universal restorative (Shofu) are finished by #600 finishing paper, and they are tested under R.P.M. 10,000 min-1, pressure 1 N for 30 seconds.
Restoring the edentulous arch with BruxZir

By Michael McCracken, DDS, PhD, and Jonathan P. Ouellette, DMD

Fixed hybrid dentures have been used to successfully restore fully edentulous patients for decades. Their durability, however, leaves room for improvement.

The BruxZir® Full-Arch Implant Prosthesis (Glidewell Laboratories; Newport Beach, Calif.) provides a restoration that is more durable in the long term, while sacrificing nothing when it comes to esthetics.

Case report

The patient is a 58-year-old male with no contraindications for implant treatment. The patient had a total of 11 BioHorizons® Internal Hex implants (BioHorizons; Birmingham, Ala.) placed, including six in the maxilla and five in the mandible (Figs. 1, 2). The implants integrated for more than six months, and the patient presented for restoration of his edentulous arches.

First, preliminary impressions of the implants were made. After removing the healing abutments, closed-tray impression copings were seated. The impressions were made in stock plastic trays, and the impression copings were placed back into the impressions before the case was sent off to the laboratory.

The laboratory poured casts from the initial impressions and fabricated bite blocks and occlusal rims for the centric jaw relationship (CJR) records. Each bite block contained two screw-retained temporary cylinders that allowed the wax rims to be screwed down, producing a very accurate CJR. The contoured rims were returned to the laboratory with the initial casts.

Upon receiving the wax rims and jaw relation records, the laboratory and dentist decided the patient required four multi-unit abutments in the anterior maxilla to ensure the screw access openings were within the confines of the planned prosthesis. At the next appointment, the patient’s healing abutments were removed, and the multi-unit abutments were transferred to the patient’s mouth and torqued into place. Later, wax setups were tried in and evaluated for proper esthetics, phonetics, contours, occlusion and tooth arrangement.

The implant verification jig (IVJ), which precisely captures the depth and angulation of the implants in the final impression, was seated and tightened into place. After bonding the individual sections of the IVJ together, a final impression was made.

The lab produced a fixed provisional appliance using precise CAD/CAM technology. The provisional implant prosthesis afforded the patient a trial period to evaluate the proposed restoration for esthetics and function (Fig. 3).

The final restoration was fabricated using the CAD design that was confirmed during the provisional trial period. The final prostheses were delivered without complication, exhibiting excellent fit, occlusion and esthetics (Fig. 4). The patient was exceptionally pleased with the functionality offered by this fixed restoration, which he should be able to enjoy for a great number of years given the extraordinary durability of BruxZir Solid Zirconia.
More benefits with digital impressions

1. Documented improvement in clinical accuracy compared to conventional elastomeric impressions*
   - 80% reduction in crown returns to lab for margin errors
   - 60% reduction in crown returns to lab for occlusion issues
   - 55% reduction in crown returns to lab for fit issues
   - 30% reduction in overall crown remakes

2. 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 ($7). 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.†

3. 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 benefits to work for your practice!

*Data is based on 123,757 BruxZir crowns manufactured digitally at Glidewell Laboratories through June 2015.
†Projected shipping return data 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