Thousands of clinicians and supporting staff descended on the grounds of Caesars Palace in Las Vegas to attend the American Academy of Implant Dentistry’s 64th Annual Educational Conference from Oct. 26-29.

This year’s AAID’s meeting, “Where Classic Principles Support Cutting-Edge Implant Dentistry,” aimed to provide “practical education for the practicing implant dentist.” Topics included the science of implant dentistry; pharmacology of implant dentistry; future of dental implants; soft-tissue management; formulas for success; management of complications; and much more.

Many of the educational sessions drew crowds, such as Dr. Carl Misch’s keynote address, “Extract and Immediate Placement,” which focused on immediate temporization, risk management for immediate implants in extraction sites and guidelines for extraction and immediate implant placement.

Another session that drew great interest was Dr. Jaime Lozada’s seminar on “3-D Printing Technology in Implant Dentistry,” which featured actual use of a 3-D printer on site during the session.

The exhibit hall was brimming with new products and technology created to make implant dentistry simpler, faster and more successful.

One such new technology was X-Guide Dynamic 3-D Navigation System by X-Nav Technologies. The AAID was the first to show that the X-Guide appeared at since receiving its FDA clearance in mid-October.

The X-Guide system is designed to elevate the surgeon’s control and precision during the entire implant process, including planning and placement, said Michelle Jackson of X-Nav. Interactive, turn-by-turn guidance during live surgery gives clinicians the ability to visualize precise movements of the handpiece during osteotomy and implant delivery for more exact implant placement. “It’s like GPS for the drill,” according to Jackson.

Another innovative new product at the AAID was the Restful Jaw®, an easy-to-use, clinically proven device that supports the jaw during treatment. Designed by dental researcher and educator Dr. Eric L Schiffman, the device has been tested in clinical trials for more than a decade.

“One of our clinicians said it best: You may not need it for every client, but when you need to use it, it can be a real lifesaver,” Schiffman said.

AAP to host annual meeting in Orlando

The American Academy of Periodontology will host its 101st annual meeting in Orlando from Nov. 14-17 at the Gaylord Palms Resort & Convention Center. With thousands of periodontists, hygienists, dental students and researchers in one place, this year’s annual meeting is about more than lectures and workshops; it provides an opportunity to learn, share, and network with like-minded dental professionals from around the world, according to AAP President Joan Otomo-Corgel.

Show attendees can count on a wealth of continuing education opportunities (more than 25 C.E. hours) and informative fare to suit each individual’s tastes. Whether you’re interested in treatment techniques, emerging technologies, scientific advancements, practice development or clinical applications, there is a place for you.

AAP event planners say the Gaylord Palms is rolling out its red carpet for those attending this flagship academy event. Day-one festivities culminate in a come-as-you-are welcome reception to be held after sunset on the Coquina Lawn. Bring your most comfortable sandals and your favorite tropical attire.

Otomo-Corgel also says the AAP is excited to present special opportunities designed for those at all levels of the dental profession. Once again, the AAP will host a symposium for dental hygienists on Nov. 14. This special series of lectures recognizes the role of hygienists in oral health care, equipping them with the latest information on such topics as periodontal health, peri-implant disease and regenerative periodontics.

The AAP will also host programs geared toward emerging periodontal professionals, including those who are just beginning to practice and those who have recently completed or will soon complete residencies. One such program is a dedicated symposium, presented in conjunction with the AAP Foundation and the Osteology Foundation. For more on the annual meeting, visit www.perio.org.
Scenes from the AAID

Seminar attendees gather to check out the 3-D printer before Dr. Jaime Lozada’s session on ‘3-D Printing Technology in Implant Dentistry’ at the AAID Annual Educational Conference. Photos/Sierra Rendon, Managing Editor

Kevin Kim, president of DoWell Dental Products, helps an attendee at the company’s booth at the AAID.

Matius Viale Ochoa at the Microdent booth.

Dr. Eric Schiffman models on Dr. Johnson how to use the Restful Jaw, an easy-to-use, clinically proven device that supports the jaw during treatment. The product, which Schiffman designed and created, was exhibited during the AAID conference.

The Glidewell team — Jimmy, Monica, Suzanne and Dr. Paresh Patel — helped attendees learn about Hahn implants during the AAID conference.

Corrections

Implant Tribune strives to maintain the utmost accuracy in its news and clinical reports. If you find a factual error or content that requires clarification, please report the details to Managing Editor Sierra Rendon at s.rendon@dental-tribune.com.

Tell us what you think!

Do you have general comments or critique you would like to share? Is there a particular topic you would like to see featured in Implant Tribune? Let us know by e-mailing feedback@dental-tribune.com. We look forward to hearing from you!
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The Henry Schein Surgical Solutions booth.

Emiko Ota and Esther Lee show attendees the new Osada XL-S40 at the Osada booth.

Lending Club’s Jennifer Molette, left, and Kim Hawkins at the booth.

Matt Miller helps an attendee at the Meisinger booth.

Chris Totty and others help a crowd of attendees at the Salvin booth.
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Mark the calendar: AO 2016 Annual Meeting now includes hands-on workshop sessions

To accommodate the growing demand for dental implant training and education, the Academy of Osseointegration (AO) has expanded its 31st annual meeting to include hands-on workshop sessions.

These sessions will be held the afternoon of Feb. 17, the day before the opening symposium and welcome reception. For the next three days (Feb. 18-20), specialists and general dentists will continue to learn together about the latest in science and technology from the world’s leading clinicians and researchers.

The meeting, themed “Globalization of Implant Dentistry: A World Collaboration,” will be held at the San Diego Convention Center in San Diego.

Follow AO on Facebook and Twitter using #AO2016 to stay up to date.

“Clinicians, residents and students who carve time out of their busy schedules to attend our annual meeting do so because they share our conviction that knowledge and training are essential for the successful use of dental implants,” said AO President Dr. Russell Nishimura. “We owe it to them to maximize their time by ensuring this experience gives them world-class education in an outstanding learning environment, and that it translates into optimal patient care.”

The annual meeting will include more than 50 clinical presentations; an expansive exhibit hall; hundreds of ePosters, as well as oral scientific abstracts and oral clinical research sessions; corporate forums; lunch and learn sessions; a young clinicians lecture series; and a TEAM Program and laboratory technician program. In addition to the opening and closing symposiums, there will be a “Focus on China Symposium,” where speakers from different regions of China will present on their clinical experiences and research in implant dentistry.

“We have put together an unparalleled line up of clinicians, teachers and researchers from around the globe to present on the topics most important to today’s implant dentist,” said Dr. Peter Moy, 2016 annual meeting program chairperson. “The whole point of this meeting is to ensure our members and guests take valuable information back to their practices to provide optimum care for our implant patients, and that’s exactly what we plan to do.”

Throughout the conference there will be numerous opportunities to network and socialize, including the president’s reception, a time-honored event complimentary to all attendees. This year’s reception will be held at the San Diego Air and Space Museum.

“San Diego is easy to fly into from anywhere in the world,” Nishimura said. “With its warm weather and great amenities, such as beaches, golf, shopping and the zoo, it’s an awesome place to bring your family.”

For more information on the annual meeting, visit http://meetings.osseo.org/

About the Academy of Osseointegration

With 6,000 members in 70 countries around the world, the AO is recognized as a premier international association for professionals interested in implant dentistry. AO serves as a nexus where specialists and generalists can come together to evaluate emerging research, technology and techniques; share best-practice information; and coordinate optimal patient care using timely, evidence-based science and methods. Follow AO on Facebook and Twitter.
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Immediate, esthetic tooth replacement with the Hahn Tapered Implant and BruxZir Anterior Solid Zirconia

By Timothy F. Kosinski, DDS, MAGD

With more patients seeking dental implant treatment, it’s no surprise that growing numbers of clinicians are providing this service. The increased demand for implant therapy can be attributed in part to the improved predictability brought about by innovations in implant design.

Additionally, due to advancements in all-ceramic restorative materials, providing esthetic results is easier than ever before. By utilizing the most advanced implants and restorative materials, even experienced implantologists have the potential to benefit from an improved clinical workflow and more esthetic results.

The case report that follows demonstrates immediate tooth extraction and placement of a Hahn Tapered Implant (Glidewell Direct; Irvine, Calif.) in the area of a lateral incisor. A temporary bridge, custom implant abutment and a highly esthetic final crown are utilized to facilitate a natural-looking final restoration.

Case report
A 40-year-old male presented with no medical complications and desired a nice smile for his business interactions. His maxillary left lateral incisor had fractured, with the patient’s excessive parafunction likely a contributing factor. Endodontic evaluation had determined that the lateral incisor was untreatable.

The patient accepted a treatment plan in which the lateral incisor would be extracted and an implant immediately placed. Designed to achieve the maximum primary stability needed for immediate extraction and implantation cases, a Hahn Tapered Implant was selected for the procedure.

To begin treatment, the non-restorable lateral incisor was extracted atraumatically. Removing the tooth in this manner maintained the facial plate of bone as well as the interseptal bone that helps support the interdental papillae.

A pilot drill was utilized to create the initial osteotomy approximately 3 mm apical to the adjacent cemento-enamel junction, and a 3.5-mm-diameter Replace Select™ drill (Nobel Biocare; Yorba Linda, Calif.) was used to complete preparation of the implant site. Note that the Hahn Tapered Implant is compatible with widely used surgical instrumentation.

As the implant was threaded into place, its prominent buttress threads engaged the palatal wall firmly. This simplified the effort of preserving the facial plate and positioning the implant in a manner that would foster an esthetic outcome. The tapered body of the implant enhanced placement within a maximum amount of bone, and its widened apex helped establish excellent stability.

Radiography confirmed the implant was placed in an optimal position. A transitional bridge was fabricated to minimize speech problems, help support the soft tissue and maintain a natural emergence profile during the healing period. After four months of healing, the temporary bridge was removed, and an open-tray final impression was taken.

An Inclusive Zirconia Custom Abutment with titanium base was produced by the lab and maintained a natural emergence profile upon delivery. BruxZir Anterior, a monolithic zirconia material specially formulated for the smile zone, was chosen for the final restoration because of its strength and lifelike esthetics.

The crown, which was digitally designed and milled using CAD/CAM technology, exhibited a precise fit. Final radiography illustrated superb bone preservation at the implant site (Fig. 1). Optimal soft-tissue contours were particularly evident around the beveled edge of the Hahn Tapered Implant. The patient expressed that he was very pleased with the final restoration (Fig. 2).

Conclusion
The high primary stability, optimal positioning, and simplified surgical protocol facilitated by the Hahn Tapered Implant make it ideal for a wide range of indications, including immediate extraction cases and restorations in the smile zone.

When combined with BruxZir Anterior and zirconia hybrid custom abutments, a predictable restoration can be delivered that mimics the esthetics of the tooth being replaced.

Note: See more of this case by visiting www.inclusivemagazine.com.

‘Removing the tooth in this manner maintained the facial plate of bone as well as the interseptal bone that helps support the interdental papillae.’
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Current developments focus on minimally invasive procedures with less postoperative pain for the patient and a faster healing time. Piezo technology has increasingly been finding its way into oral and maxillofacial surgery and implantology for more than a decade. Maximum precision in surgical use and gentler treatment for the patient are just some of the advantages of this cutting-edge drive technology, according to the company. With the new Piezomed, W&H can use state-of-the-art ultrasound technology for even the most demanding tasks in bone surgery, providing surgeons with optimal support in their daily work.

“Our product development has a clear aim: to consistently fulfill the many different needs of the patients and also to satisfy the users’ requirements. The new Piezomed minimizes the invasiveness of surgical treatments. Safe working thanks to automatic instrument detection and unique instrument design takes on a completely new meaning for the user,” said Andreas Lette, strategic W&H product manager and head of product innovation.

New dimension in bone surgery

The new surgical instrument from W&H employs state-of-the-art ultrasound technology. High-frequency micro-vibrations enable high-precision incisions while the so-called cavitation effect ensures an almost blood-free surgical site and an excellent view of the treatment area, the company asserts.

In addition to these benefits, W&H offers maximum safety during operation with its patented automatic instrument tip detection. Piezomed detects the instrument during tip insertion and sets the correct power class automatically. This significantly lowers the risk of harming a patient and overloading the instruments, according to the company.

Equipped for any task

W&H offers a selected range of 24 intelligently created working instruments to provide optimum cover for the wide variety of tasks dealt with by surgeons. “For example, the bone saws have a specially developed tooth design that enables bone block harvesting with low bone loss. We also offer a special saw that boasts extremely high-cutting performance,” Lette said. “Many of the surgical instruments developed by W&H are an absolute world first in the global dental sector. Our developments are patented to protect our unique expertise.”

The instruments have another advantage with their efficient cooling concept. The spray exits near the instrument’s work area, thus protecting the instrument from thermo-mechanical material stress. The user benefits from even cooler and safer processing of the operating field, according to W&H.

Piezomed supports the surgeon’s individual way of working with three different operating modes: “Power,” “Basic” and “Smooth.” The operating modes store a variety of performance characteristics. Equipped with a multi-functional foot control, the surgical device offers freedom for the users’ hands.

Please contact www.wh.com/na or call (800) 265-6277 for additional information on any W&H surgical product.

The new Piezomed by W&H employs state-of-the-art ultrasound technology.

Photo/Provided by W&H
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X-Nav Technologies launches X-Guide Dynamic 3D Navigation System

System now available in the United States, Canada and Europe

By X-Nav Technologies Staff

X-Nav Technologies, the developer of advanced technology solutions for dental surgery, has announced it has received (510(k) clearance from the U.S. Food and Drug Administration (FDA) for the X-Guide™ Dynamic 3D Navigation System. The X-Guide system is designed to elevate the surgeon’s control and precision over the entire implant process, including planning and placement.

Interactive, turn-by-turn guidance during live surgery gives the ability to visualize precise movements of the handpiece during osteotomy and implant delivery for more exact implant placement, according to the company, it’s like GPS for the drill. This results in the ability to consistently deliver a more desirable functional and esthetic outcome in dental implant surgeries.

X-Nav Technologies confirms that it has approval to market and sell the X-Guide Dynamic 3D Navigation system to dental clinicians in the United States, Canada and the European community. Just as cone-beam 3-D imaging has transformed the dental implant process for surgeons and patients, this next advancement in technology will bring more precision and control in transferring 3-D treatment plans to the patient, with ease,” said Ed Marandola, X-Nav Technologies president and CEO.

The X-Guide system makes it easy to be exact, the company says, by providing robust and easy-to-use treatment software plus new, patent-pending X-Point™ navigation technology — the first, single-view guidance of implant position, angle and depth.

The X-Guide system is designed to be compatible with most cone-beam 3-D systems. X-Nav Technologies asserts adding that surgeons do not have to stop at precise planning anymore — now they can place in remarkable detail as well. Developed in close collaboration with leading oral and maxillofacial surgeons, the X-Guide system promises to deliver what today’s implant clinicians want.

Dr. Robert W. Emery, diplomate of the American Board of Oral and Maxillofacial Surgeons, states: “X-Guide fills the final gap of digital dentistry. Dynamic 3-D navigation allows the dentist to use all the 3-D digital information at their fingertips in real-time to immediately use their cone-beam 3-D scan to plan and place implants. The surgeon can fully guide his or her cases even when clinical alterations are necessary because the system embraces flexibility.”

The X-Nav Technologies leadership includes part of the original team that brought industry-leading i-CAT® cone-beam 3-D imaging to the dental industry. The president and co-founder of X-Nav, Marandola, is the former president and co-founder of CAMLOG (Imaging Sciences International), and X-Nav co-founder Chris Scharff led the i-CAT commercial team as vice president.

For more information on the X-Guide system, visit www.X-NavTech.com.

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By Henry Schein Dental Surgical Solutions Staff

Our latest-generation implant system is intelligent, lean and simple. iSy® has a compact system design, offering you a unique workflow advantage. You will benefit from unsurpassed cost efficiency in each of your implant cases, backed by proven CAMLOG quality.

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The core workflows for implant practices are digital, conventional and combined:

1. Digital: A digital treatment workflow can be done with or without the implant base. Transgingival healing provides easy access to the final abutment and allows for optimal hard- and soft-tissue healing. When ready for impression, the multi-functional cap offers you the ability to use an intra-oral impression scanner. The customized final restoration can be affixed to the implant base and delivered with minimal effort.

2. Conventional: A conventional treatment workflow can be done with or without the implant base. Submerged healing allows for undisturbed integration throughout the healing process. A gingiva former will sculpt the soft tissue. When ready for impressions, open or closed tray impression copings are available. The final restoration is completed using pre-made abutments with a traditional PFM crown.

3. Combined: The flexibility of iSy is showcased with this final example. Conventional and digital treatment workflows can be combined to provide a customized final result. The pre-mounted implant base with a multi-functional cap is used to take a traditional impression.

Photo/Provided by Henry Schein Dental Surgical Solutions

The dental lab will scan the iSy scan post within an implant analog or scan the implant base using the second multifunctional cap. The final result will be a customized restoration made iSy and designed to create satisfied patients. Designed to provide a smoother treatment experience, the iSy system has “simple” built right in to it.

iSy is a high-quality implant system made by CAMLOG. The system was developed in Switzerland and is manufactured in Germany. The cornerstone of CAMLOG is its attention to detail, sustainability and the quality development of its products.

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