Technology and biology converge in the ‘Valley of the Sun’

Myths of mini-implant dentistry

Why you’re missing out if you’re avoiding the use of mini-implants

By Allan Fuhr, DMD

Mini-implant dentistry has long been a controversial topic, which has steered many dental practitioners across the world away from reaping the multitude of benefits of mini-implant dentistry. They miss out on the benefits to both their practices and to their patients. Despite nearly 25 years in the marketplace, the mini-implant system is still not being used by most practitioners. Why?

This article, and a series of upcoming webinars, will dispel these myths and debunk the many misconceptions about the use of the mini-implant in everyday dental practice.

Myth No. 1: “Mini-implants have the same ‘limitations of use’ as standard root-form implants,” i.e.; health issues, anatomical issues and financial issues.

With an ever-expanding aging global population of potential patients, it is our responsibility to bring the well-accepted benefits of implant dentistry to this group, emphasizing a minimally invasive procedure, doable with minimal available bone and at an affordable cost. Additionally, most medical concerns do not compromise the use of the MDI system and its minimally invasive protocol.

Myth No. 2: “A major concern with MDI placement is violating the inferior alveolar nerve (IAN), hence causing a temporary or permanent paresthesia.”

Pre-operative treatment planning, including use of a panoramic radiograph, diligent intra-oral digital examination, use of the MDI clear overlay measuring guide and adherence to proper surgical protocol should ensure safe implant positioning away from the mental foramen, as well as the inferior alveolar nerve.

Remember, an inferior alveolar nerve block is never recommended.

AAID’s 2013 annual meeting will be Oct. 23–26 in Phoenix

Implant dentistry has come a long way from the early days. The advances are more than evolutionary. The American Academy of Implant Dentistry’s 62nd Annual Meeting will explore how biology and technology converge to improve the treatment options available to doctors to solve ever more difficult and complex issues for patients.

An international symposium, entitled “International Excellence in Implant Dentistry — The Spanish Connection,” complete with simultaneous translation, will lead off the main podium programs.

Live surgery presentations in the operatory, along with numerous intensive courses, many with hands-on components, will be offered as well.

The office team can look forward to two intensive days of programming on Thursday and Friday. Clinical and hands-on courses will be included.

One distinction that sets AAID’s meetings apart is the opportunity to interact directly with world-class experts and presenters. You will be able to text your questions during the main podium presentations, and the presenter will be given those questions to answer live, at the end of the program.

Join your colleagues in Phoenix this October for the best in implant dentistry, where you will find practical education for the practicing implant dentist. Check out the abstracts, learning objectives, speakers and complete schedule online at www.aaid.com or by scanning this QR Code.

AAID President Nicholas Caplanis.
MINI-IMPLANTS, Page B1

Mini-dental implants have the advantage of an initial stability when placed, due to the self-tapping capability and osseous contact, with torque readings in excess of 35 Ncm, in addition to having a titanium blasted acid-etched surface that allows for complete osseointegration in the same time span as traditional root-form implants. Therefore, mini-dental implants can usually be loaded and used the same day as placement, affording the patient a speedier prosthodontic result.

Mini-dental implants are a temporary, not permanent, solution for support of prostheses because MDIs do not fully osseointegrate. Fact is, more so than with standard root-form implants, the operator, the likelihood of fracture is nearly impossible.

The 3M ESPE Mini-Dental Implants, of all diameters and all lengths, are manufactured with the highest standards within the industry, often exceeding acceptable tolerances by the FDA. The manufacturing process utilizes the strongest titanium alloy version Ti-6Al-4V available, ensuring biocompatibility with the lowest level of rejection. When placed using the specific guidelines and protocol by the manufacturer, as well as due diligence of the operator, the likelihood of fracture is nearly impossible.

Myth No. 5: “Mini-dental implants are only a temporary, not permanent, solution for support of prostheses because MDIs do not fully osseointegrate.”

Tissue response to an MDI 1.8 mm diameter implant after three months. The shape of implant grooves is visible (left), and there is clear evidence of bone formation (right) at the interface with the implant surface. Photo Provided by Dr. Allan Fuhr

ICCI World Congress heads to Istanbul

The International Congress of Oral Implantologists (ICCI) will convene its World Congress XXX in Istanbul, Turkey, from Oct. 3–5. Istanbul is the capital of Turkey and is situated on the European side of the dual-continent city. Situated on one of the world’s busiest waterways, Istanbul is flanked by the Black and Marma seas and separated by the famous Bosphorus, or Istanbul, Strait. Two-thirds of Istanbul’s 12 million people live on the European side of town, while one-third reside on the Asian side. ICCI’s World Congress will be held at an ideal time of year in Istanbul, and attendees are assured of favorable weather, the ICCI says.

An endless array of tourist opportunities awaits the delegates to the congress. Istanbul is home to the famous Blue Mosque, the Hagia Sophia Museum, the Topkapi Palace, the Grand Bazaar and the Egyptian Spice Market, among other attractions.

The theme for ICCI’s 30th World Congress is “International Innovation and Perspectives for Implant Reconstruction,” and it will feature a world-class international faculty. The scientific program was designed by Dr. Scott Ganz from Fort Lee, NJ, and Dr. Ady Pali of Baden-Baden, Germany.

The Scientific Committee, in concert with the co-hosts for this World Congress, the Turkish Society of Oral Implantology and the MeffertImplant Institute, has put together a lineup of speakers who will present on topics such as immediate loading, bone grafting, three-dimensional imaging, guided-surgical applications, occlusion and more.

Main Podium lecturers include Drs. Shinichi Abe from Japan, Volkan Arsan from Turkey, Nabil Barakat from Lebanon, Georg Bayer from Germany, Fred Bergman from Germany, David Garber from the United States, Aadian Gokhuget from Turkey, Cuneyt Karabuda from Turkey, Christian Mackary from Lebanon, Stavros Pelekanos from Greece, Marco Rinaldi from Italy, Nigel Sayers from the United Kingdom, Georgios Romanos from the United States, Avi Schettini from the United States, Deborrah Schwartz-Arad from Israel, Gerard Scortetti from France, Marius Steigmann from Germany, Jen Suzuki from the United States, Istvan Urban from Hungary and Georg Widmann from Austria.

The Congress will convene at 1:30 p.m. on Thursday, Oct. 3. However, on Thursday morning, delegates will get the opportunity to attend several pre-congress courses given by the congress’ sponsors. Scientific table clinics and poster presentations will also be a part of the program. Those interested in presenting either a poster or table clinic should visit the ICCI website, www.icci.org, for guidelines and application forms or e-mail Dr. Avi Schettini at dravi@perso.org.

The social event of the World Congress will be held at the Falas Cahud as congress attendees take over the whole club. This popular night spot is located near the convention center, but buses will take guests there, leaving from the convention center at 7:30 p.m. Friday, Oct. 4. Cocktails will be served starting at 8 p.m., followed by dinner. A stage show will entertain the guests until midnight.

For complete information on ICCI’s World Congress XXX, visit www.icci.org. The ICCI is based in Upper Montclair, N.J. (Source: ICCI)

Bone integration to a 2.4 mm diameter MDI at three months.

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@tribaltribune.com and be sure to include, which publication you are referring to. Also, please note that subscription changes can take up to six weeks to process.
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Q-Implant Marathon: hands-on courses for implant placement, sinus lifts, mono blocks, ridge splits and more

Continuing education in dental implantology has traditionally focused on theoretical aspects. However, since 2003, the Trinon Collegium Practicum (TCP) has organized practice-oriented dental implantology courses based on the model of surgeon training in European hospitals, enabling dentists to gain a firmer grasp of implantology procedures.

**Drawbacks of traditional implantology education**

Conventionally, entering the field of implantology has proven difficult for many dentists. Typically, it is not a subject of university education with many universities and courses focusing largely on theoretical orientation.

Because of this, establishing oneself within this particular area of dental medicine can prove to be a time-consuming endeavor. Further complicating the matter is the issue that educational and training programs rarely present an opportunity for participants to work directly on patients. This, according to Alfredo Valencia, MD, DDS, scientific director, TCP, has led to implant education placing an increased emphasis on theoretical training. This theoretical emphasis ultimately results in a neglect of practical experience and, more importantly, a general lack of confidence in ability. Because of this, many inexperienced dentists develop a fear of complicated cases and, as a result, a limited learning curve.

**Learning by doing**

As a result of the growing concern stemming from the lack of practical hands-on implantology courses, TCP teamed up with Dr. Valencia to develop the Q-Implant Marathon®. Started in 2003 in Santa Clara, Cuba, the course is designed to be purely hands-on with a real patient experience under strict supervision from internationally renowned surgeons.

Participants, with a strong theoretical foundation in implantology, spend five days assisting in and performing surgeries. Throughout the course, participants are assigned to small groups (three individuals or less) under direct supervision from the same instructor for the entire duration of the course.

This intimate setting allows for the opportunity for each participant to place 30 or more implants in the span of five days. Advanced level guarantee 15 sinus lifts per participant and, depending on the level of surgical experience, participants may participate in more complex surgeries such as mono blocks, ridge splits, titanium mesh reconstruction and more.

Patients are prepared and followed up by resident members of the private clinic in which the surgeries are conducted. In most cases, patients are immediately provided with temporary restorations so participants can see the result of the treatment and complete their photographic documentation. The phased approach of the Q-Implant Marathon, which accounts for 45 dental C.E. credits through the Academy of General Dentistry, divides participants into three levels: Beginner, Advanced I and Advanced II.

The Q-Implant Marathon gives dental practitioners an opportunity to learn the relevant knowledge they require in their home clinics. Beginners’ courses focus around basic implant cases whereas surgeons with considerable experience can opt to participate in an advanced course focusing on complicated cases. Regardless of skill level or experience, all students experience the reassurance that they have a highly qualified supervisor at their disposal to discuss cases and assist during surgery. “Learning by doing is the most successful way to gain experience in implantology, and that is why we do it that way,” Valencia said.

**Focus on the United States**

Today, the hands-on concept has been rolled out in three permanent locations worldwide with one in Santo Domingo, Dominican Republic, and two courses in Asia. In the last 10 years, TCP has hosted more than 2,000 dentists in the Q-Implant Marathon, leading to the treatment of more than 15,000 patients and the placement of more than 40,000 implants.

The decision to conduct these hands-on courses in Santo Domingo is a direct result of the rising number of dental implantologists in the United States and its surrounding regions. Additionally, there is a growing number of patients in this region that demand a high level of care but lack access to adequate dental care.

The Q-Implant Marathon has been conducted more than 30 times. The head instructor for the Q-Implant Marathon in Santo Domingo is Valencia, who received his medical degree from the University of Oviedo in Spain. Valencia has more than 30 years of experience in the fields of oral and maxillofacial surgery and stomatology. He is supported by a team of assisting tutors, whom he personally recruited. Most of these tutors have been trained in implantology from him directly. Of his colleagues Valencia says, “I know them well and it is easy for me to work with them.”

**Contact information**

The Q-Implant Marathon is conducted six to eight times a year in Dominican Republic, Cambodia and Laos. The next session in Dominican Republic will take place Dec. 2–6.

To find out more information about the Q-Implant Marathon, contact Dominika Zmelevy at (877) 705-1002, email to dz@implantologycourses.com or visit www.implantologycourses.com.

(Source: Trinon Collegium Practicum)
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AAIP executive director releases book on the music of World War II

By Lori Winkler Kesselman

When Dr. Sheldon Winkler retired from Temple University in January 2006 as professor emeritus, where he previously served as chairperson of the department of prosthodontics and dean of research, advanced education, and continuing education, he started a second career as an author and speaker on the music of the Second World War.

Winkler attended public school during America’s participation in World War II. During music classes, students at that time were required to learn the lyrics to war-related songs. If the memorization of lyrics was not required, the continual playing of war songs on the radio, on records, in the movies and on loud speakers in and outside of stores contributed to the remembrance process.

Winkler’s mother started teaching him piano when he was very young. He formed a band in high school that played at college dances, social functions and in Catskill Mountain hotels in New York State and Orange Mountain hotels in New Jersey until he completed college and dental school. Occasionally, Winkler appeared on the radio as a soloist. While his band sometimes played music from World War II, his bandmates strongly resisted efforts to include war songs in the band’s repertoire.

Winkler’s love of music stayed with him all of his life. He started collecting information on the music of World War II a number of years before his retirement and had several articles published in World War II History magazine. His ultimate goal was to prepare a free-standing book on the music of the war years. After his retirement from academics and research, with the encouragement of his family and former colleagues at Temple University Schools of Dentistry and Medicine, he achieved his goal.

“The Music of World War II: War Songs and Their Stories” was released in March 2013 by Merriam Press, a publisher of military history with an emphasis on World War II.

Some memorable and enduring popular music of the 20th century was written during the Second World War. With patriotism at an all-time high, the war effort became an integral part of the entertainment industry, creating an emotional wartime dream world of heroes, love, remembrance, reflection and introspection.

“The Music of World War II” tells the stories behind the origins of many of these musical compositions, some of which have survived to become standards and are popular to this day.

*See MUSIC, page B10*
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Clinical dentistry by Timothy F. Kosinski, DDS, MAGD

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Among the songs reviewed are “A Nightingale Sang In Berkeley Square,” “As Time Goes By,” “God Bless America,” “Johnny Zero,” “Lili Marlene,” “Miss Pavlichenko,” “My Sister and I,” “Praise the Lord and Pass the Ammunition,” “Rosie the Riveter,” “The Ballad of Rodger Young,” “The Last Time I Saw Paris,” “The White Cliffs of Dover,” and “We’re Gonna Hang Out the Washing on the Siegfried Line.”

Stories of selected World War II movies are also included in “The Music of World War II.” Among the motion pictures discussed are “Casablanca,” “The Last Time I Saw Paris,” “This Is the Army,” and “The White Cliffs of Dover.”

Winkler states that World War II was one of the most productive periods of American popular music, and wartime songs were indispensable for boosting morale at home and wherever troops were stationed overseas.

He believes that “there may never be another period of time where service men and women, their families, friends and neighbors, will be so eager to express their patriotism through popular music.” Winkler concludes with “the war is long over, but the songs live on.”

Winkler did not forget his dental background upon retirement. He is adjunct professor at Midwestern University School of Dental Medicine, Glendale, Ariz., and University of Technology School of Oral Health Sciences, Kingston, Jamaica. Winkler continues to serve as educational and prosthodontic consultant to dental schools throughout the world. He is president of the American Academy of Implant Prosthodontics and also serves as executive director of the academy.

Winkler founded the journal Implant Dentistry, which he edited for six years, and is currently senior editor of the journal of Oral Implantology. He has authored or co-authored six textbooks (including “Essentials of Complete Denture Prosthodontics”), and approximately 185 articles and chapters in professional journals and textbooks.

In 1992, Winkler received the International Education Award, the highest honor of the International Congress of Oral Implantologists. He was awarded a journalism award from the International College of Dentists in 1993, and was honored by Chulalongkorn University, Bangkok, Thailand, in 1995 with its Academic Devotion Award.

Winkler received his DDS from New York University College of Dentistry and completed his advanced training in prosthodontics at the School of Dental Medicine, State University of New York at Buffalo. He resides in Scottsdale, Ariz.


CAO Group launches advanced diode laser system

The CAO Group (CAO), a world-leading, high-technology dental company, has launched the latest in restorative dental products with the new Precise®SHP Diode Laser, equipped with some of the most sophisticated technology for diode laser procedures. The product will be available exclusively through Henry Schein Dental, the global dental business of Henry Schein, Inc.

The Precise SHP Diode Laser, designed with state-of-the-art laser technology, is the first mobile touchscreen diode laser to feature the iPod touch®, the company says. This comprehensive laser system provides live support via FaceTime® and allows dentists to watch training videos and demos as well as stay current with unlimited updates.

“Our Precise SHP Diode Laser complements the advances in restorative dental materials and techniques and provides the latest in technology through the Apple iPod touch, offering dentists unlimited updates, training and real-time support for all their diode laser procedures,” said Dr. Densen Cao, CEO and founder of CAO. “With a proven track record of introducing the latest technology to the dental marketplace, Henry Schein is the ideal partner to bring the Precise SHP Diode Laser to dentists.”

The Precise SHP Diode Laser is currently available in the United States only. For more information, visit precise lasers.com or www.henryschein dental.com.
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Straumann introduces Emdogain 015: designed to provide versatility

New smaller-size syringes will help clinicians provide regenerative therapy to more patients

By Straumann staff

Straumann is pleased to introduce Emdogain 015, a versatile and cost-effective way to treat patients with periodontal disease. Emdogain 015 is the same effective product clinicians have relied on for treatment of more than 1 million patients, now in a new, convenient package size of five syringes, each filled with 0.15 ml of product.

Emdogain 015 gives clinicians an ideal and more cost-effective solution for the treatment of small periodontal defects. Straumann Emdogain is a protein-based gel designed to promote predictable regeneration of lost periodontal hard and soft tissue, helping to save and stabilize teeth.

The addition of Emdogain 015 to Straumann’s regenerative treatment portfolio gives clinicians the flexibility to select the right amount of Emdogain for their patients.

When added into the periodontal treatment plan, Emdogain can provide an excellent result with less pain and discomfort compared to connective tissue graft (CTG), while improving the potential for patients to keep their natural teeth. “Using Emdogain, I’ve seen positive outcomes for my patients; however, there have been times when I wanted to use Emdogain in conjunction with periodontal surgery but couldn’t justify the excess material that would go to waste when treating smaller defects,” said Jennifer Hirsch Doobrow, DMD. “Now, with Emdogain 015, I can provide the power of regenerative therapy to more patients because the size of the defect is no longer an issue.”

According to the Centers of Disease Control and Prevention (CDC), about half of the U.S. population is affected by periodontal disease, which if left untreated, may lead to tooth loss. Periodontitis treatment involves controlling the causative bacteria and inflammation, as well as subsequent regeneration of the lost periodontal hard and soft tissue in order to regain tooth attachment.

Straumann Emdogain supports the predictable regeneration of the lost periodontal hard and soft tissue caused by periodontitis, helping to save and preserve the tooth. Scientifically supported in more than 400 publications, Emdogain is designed to help clinicians produce long-lasting results that will in turn help them in developing a successful practice through satisfied patients. “Emdogain has had strong long-term results, and we believe that every patient – whether the clinical situation is a small defect or a large grafting procedure – should have the opportunity to experience these benefits. This is why we created Emdogain 015,” said Andy Molnar, executive vice president, Straumann North America. “With longer life expectancies, today’s patients want more options when it comes to their oral health. We are committed to giving clinicians innovative and effective products to help them provide the best possible care for their patients.”

Straumann — a global leader in implant dentistry offering surgical, restorative, regenerative and digital solutions for the dental and lab business — is a pioneer of innovative technologies. To learn more about Straumann, visit www.straumann.us.

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By Zimmer Dental staff

Zimmer Dental Inc., a leading provider of dental oral rehabilitation products and a subsidiary of Zimmer Holdings, Inc., is pleased to announce that it was recently honored with a Silver Medal at the 2013 Medical Design Excellence Awards (MDEA) in the category of “Dental Instruments, Equipment and Supplies” for its revolutionary Zimmer® Trabecular Metal™ Dental Implant.

Zimmer Dental’s entry stands out as the only dental implant recognized in the highly regarded, global competition, which is sponsored by the Medical Device and Diagnostic Industry (MD+DI).

According to the MD+DI website, the MDEA competition is the premier awards program for the medical technology community, recognizing the achievements of medical product manufacturers and the many people behind the scenes — engineers, scientists, designers and clinicians — who are responsible for the groundbreaking innovations that are changing the face of health care.

Zimmer Dental’s Trabecular Metal Dental Implant.

This recognition follows the recent coining of the term “osseoincorporation” in describing the unique bone development process made possible with this porous dental implant. Osseoincorporation refers to the growth potential of bone, both onto an implant surface and into an implant structure.

The Trabecular Metal Dental Implant features an osteoconductive mid-section, formed from Trabecular Metal material, designed for ingrowth as well as ongrowth in a process new to implant dentistry: osseoincorporation. Manufactured in the United States at Zimmer’s TMT facility in Parsippany, N.J., and used in Zimmer’s cutting-edge orthopaedic devices for more than 15 years, Trabecular Metal material is a three-dimensional, highly biocompatible material — not an implant surface or coating — with up to 80 percent porosity for bone ingrowth and a structure comparable to cancellous bone, the company says. The interconnected porosity is designed to enhance secondary stability through a high volume of ingrowth.

For decades, Zimmer Dental has gained the trust of thousands of clinicians worldwide who count on its comprehensive line of products to deliver successful patient outcomes, the company says. By looking to new and innovative technologies and leveraging its relationship with its parent company, Zimmer Holdings, Zimmer Dental continues to reinforce its commitment to offering state-of-the-art dental solutions, according to the company.

Contact a Zimmer Dental sales consultant or customer service at (800) 854-7019 or (760) 929-4300, or visit TrabecularMetal.ZimmerDental.com for more information.
NEW
from PreXion

Eclipse
PreXion3D

ENHANCED GENERAL VERSATILITY
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PreXion introduces the PreXion3D Eclipse CBCT

The PreXion3D Eclipse CBCT — a true 2-in-1 or 3-in-1 multi-modality solution — is designed for dental professionals who require a dedicated 2D panoramic, a wider field-of-view and/or a cephalometric mode to perform implant procedures, oral-maxillofacial surgery, orthodontics, periodontics, and general dentistry.

The Eclipse features four 3D scan modes: High Definition, Ultra High Definition, Wide Mode, and a lower dose Light mode.

Combined with PreXion3D Viewer software, implant planning tools, and a blazing fast Thin Client Data Server environment, the Eclipse provides dental professionals with the most accurate assessment of the bone and surrounding anatomy.

For a demonstration, please call 1-855-PREXION or visit us at http://www.prexion.com/dental/eclipse.html

With over 800 CBCT placements worldwide, PreXion is the #1 dental CBCT scanner sold in Japan.
Two-day custom abutments and crowns from intraoral scans

Glidewell Laboratories describes restorative process as ‘simple, convenient, affordable’

Clinicians are leveraging their investments in chairside digital impression systems to reduce the time and cost of implant therapy. Dental technicians produce custom abutments and crowns directly from digital impressions taken with these systems, eliminating the need for physical models. Dentists and patients alike can benefit from this simple, convenient and affordable restorative process.

From a chairside digital impression, Glidewell Laboratories will digitally design and fabricate a custom abutment or crown in two days or less. Dentists save on the cost of impression materials, shipping to the lab and model work, and they benefit from lower lab prices on restorations.

The process for taking the digital implant impression and sending it to the lab is straightforward. Chairside procedure is as follows:

1) Remove the healing abutment and attach an Inclusive® Scanning Abutment (available through Glidewell Direct) to the implant. For Bellatek® Encode® Impression System (BIOMET 3i™; Warsaw, Ind.) digital impressions, it is not necessary to remove the healing abutment.
2) Take buccal, lingual and occlusal scans of the implant site.
3) Scan the opposing dentition.
4) Remove the scanning abutment and scan the bite.
5) Electronically submit the digital implant impression to the lab.

For system-specific information on how to send digital implant impressions to Glidewell Laboratories, intra-oral workflow guides are available by visiting the ‘Digital Impression Systems’ page under Dentist, then Services, at www.glidewelldental.com.

(Source: Glidewell Laboratories)
Fascinating ergonomics

Surgical straight and contra-angle handpieces

By W&H staff

The new W&H straight and contra-angle handpieces not only make working more pleasant but also more flexible and less tiring, the company says. And all that with optimal visibility and perfect hygienic conditions.

Innovative performance features

The W&H product portfolio for surgical straight and contra-angle handpieces has been expanded and particularly impresses with its ergonomics, a Mini LED+ with daylight quality, flexible cooling with replaceable spray clips, a scratch-resistant surface coating and the first surgical contra-angle with a 45-degree head. All straight and contra-angle handpieces can be fully dismantled for superior cleaning.

Fatigue-free working

The ergonomic shape makes work less tiring.

Perfect light with Mini LED+

The surgical straight and contra-angle handpieces are now equipped with a Mini LED+. This offers optimal illumination as the Mini LED+ can be integrated very close to the handpiece tip, thanks to its being half the size of a normal LED. For the first time, the WS-56 (1:1), WS-92 (1:2.7) contra-angle handpieces and the S-9 (1:4) straight handpieces are now available with light.

With their integrated generator, the straight and contra-angle handpieces can create the energy for the LED light all on their own. As soon as the straight or contra-angle handpiece goes into operation, the integrated generator produces the electricity needed autonomously and supplies the LED.

Flexible cooling

For the first time, cooling can now be individually adapted with replaceable spray clips, so the coolant is always in the right place, the company asserts. The spray clips (for WS-75, WS-75 LG, WS-56 and WS-56 LG) allow attachment of the coolant tubes for external cooling and the internal bur cooling (Kirschner-Meyer) on the left or the right.

Perfect hygiene

The new scratch-resistant coating on the surface of the straight and contra-angle handpieces offers the optimal basis for improved cleaning and hygiene, the company says. In addition, the new surgical straight and contra-angle handpieces can also be completely dismantled, thermo washer disinfected and sterilized up to 135 degrees C.

The first surgical contra-angle handpiece with a 45-degree head

The new WS-91 and WS-91 LG contra-angle handpieces with a 45-degree head unite the advantages of straight and contra-angle handpieces for the first time. The 45-degree angle allows considerably better access and better visibility of the treatment site. This makes palatal access to the maxillary molars much simpler, even with a small mouth opening.

In contrast, in buccal applications, there is more space between the cheek and operating site. At the same time, the view is barely affected.

A ratio of 1:2.7 makes it possible to work quickly and effectively, allowing rotating instruments to achieve speeds of up to 125,000 revolutions per minute. A three-port spray guarantees sufficient cooling of the bur as well as the tooth and bone. According to the company, the contra-angle handpiece with a 45-degree head is ideal for surgical extractions of wisdom teeth, tooth separations and apical resections.

For more information on the all W&H products, visit www.wh.com/na.
Let our new handpieces tackle your toughest procedure

NEW

The new surgical instruments
The new design puts a whole range of advantages at your fingertips: fatigue-free working thanks to optimal ergonomics. Considerably better access to the treatment site thanks to a new neck geometry with removable spray clips which can be attached on either side. Ideal illumination thanks to the mini LED+ positioned near to the head. The scratch-resistant surface facilitates cleaning.

Now available from your dental supplier or via wh.com/na.
COLTENE® one of the fastest growing dental manufacturing company in the United States*, announces the launch of BioSonic® SUVI® piezoelectric ultrasonic scaler and air polisher featuring SUVI Premier and Elite models.

SUVI Premier is an ultimate multipurpose device for traditional scaling in addition to endo, perio, implant maintenance and resto treatments, the company says.

The Elite Series provides all of the features of the Premier, and it includes an air polisher to create one versatile tool for ultrasonic and polishing treatments. Coltene’s BioSonic SUVI line’s development was motivated by user and patient comfort, creating an extraordinary treatment experience, according to the company.

**Why SUVI**

All SUVI models are equipped with first-class handpiece ergonomics. Handpieces are assembled with comfortable, non-slip, exchangeable silicone grips to reduce hand fatigue. The soft material dampens the vibrations and helps prevent carpal tunnel syndrome and blood circulation complications.

Grips are removable and autoclavable, eliminating the cost of excess handpieces. The LED light on the handpiece illuminates the treatment area effectively and guarantees superb visibility even through water and powder spray. The optimized color temperature of the light (white-blue) creates an excellent contrast, making calculus and stains more visible.

It is the most powerful light in the market without generating heat and lasts up to 100,000 hours or 30 years, the company says. The foot pedal tool allows users to adjust the device without interruption. Control the LED light, adjust the power mode and select the water jet cleaning and/or irrigation function chair side, leaving your hands free to treat the patient.

**SUVI Premier**

SUVI Premier is remarkably adjustable for all treatments because of its wide power range and variety of tips. Experience four useful functions from a single unit: standard ultrasonic scaling, dry mode — scaling without water, diagnostic LED lighting and irrigation mode.

The BioSonic SUVI Premier is available with tap water connector or with the quick-connect medicament/water dispenser. Easily changeable, transparent medicament, water and powder containers are attached to the body of the device, allowing for easy maintenance. The upright position eliminates leakage, and filling levels of liquid and powder are always clearly visible.

**SUVI Elite**

SUVI Elite series adds an air polisher to the same features of the SUVI Premier to create the ultimate power tool. Coltene’s breakthrough patented nozzle design enables accurate direction to every tooth surface; the company says. Its non-clogging construction keeps water and powder separate to the last second. The one-touch cleaning function ensures the device remains clog free.

**SUVI tips**

The large selection of more than 60 DuraGradeMax™ super steel tips expands the functionality of this device beyond scaling to perio, endo and resto treatments. According to independent studies, DuraGradeMAX steel provides the absolute best wear resistance on the market. To ensure the tip is used at the proper power setting each time, every tip is laser marked with the recommended power setting.

Patients may forget your name or what you said while in the chair but they will never forget how you made them feel. With that, Coltene presents BioSonic SUVI, “the mark of a professional.”

For additional information, visit mybiosonic.com.

“2012 SDM Data

My patients and I love the BioSonic SUVI Elite. I can tell the difference between this and other ultrasonic instruments in the way it is more effective and gentle to the tissues. I hand scale less than ever before because there is nothing left to scale. My patients from 18 to 92 say that their recare appointments are painless and their teeth feel so much cleaner. The tip design is so respectful to the tissue, and accessibility is endless with all the tips to choose from. To me, the BioSonic SUVI Elite is my Porsche in the dental hygiene world.”

– Catherine Stark, RDH
Zimmer
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Clinicians offer reviews of new E4D NEVO Scanner and Design Center

‘Fast, accurate’ and ‘enhanced patient comfort,’ dentists say

Dental professionals in the United States recently got a sneak peak of the new E4D® NEVO™ Scanner and Design Center, created by D4D Technologies and distributed exclusively by Henry Schein, Inc.

The product, unveiled in June at Henry Schein Dental’s National Sales Meeting, received rave reviews by dental professionals using the system for the first time, the company said.

Gary Kaye, DDS, FAGD, founder and principal dentist of New York City-based Kaye Dentistry, recently hosted a hands-on demonstration of NEVO for leading dental professionals.

“The technology that E4D has developed, particularly scan technology, is just incredible,” Dr. Kaye said. “Scanning inside the mouth with most systems is very difficult to do. With NEVO, one of my associates did the newward and, after just a few minutes, was immediately getting outstanding and accurate results.”

That new associate, Sarah Jafari-Namin, DMD, MS, who specializes in prosthodontics, offered up her assessment.

“The system was very easy to use,” Dr. Jafari-Namin said. “The handpiece is much lighter than before, which makes it easier for the patient and me, and the speed of the NEVO E4D system is outstanding.”

The early reviews of E4D NEVO are terrific, and we at Henry Schein Dental are very proud to be exclusively offering this new solution to our customers,” said Tim Sullivan, president, Henry Schein North America Dental Group. “The introduction of E4D NEVO requires the support of a knowledgeable team working together to ensure that dental teams across the United States see and understand the product’s considerable benefits to patients. We look forward to bringing E4D NEVO to our customers’ practices.”

Among the other professionals who participated in the sneak peak were: Bryan Couch, DDS, from Complete Smiles Dentistry, Texas; Curtis Jansen, DDS, from CEJ Dentistry, California; Alex Schaap, DDS, from Kaye Dentistry, New York; and Edmond Suh, DDS, from Supremia Dentistry, North Carolina.

“How can dentists treat their patients better? Well, this is one CAD/CAM technology that they should be looking at,” Dr. Couch said. The new NEVO system is “very fast, very forgiving, and the erase feature is over the top,” Dr. Jansen said. “As the technology advances, I think it’s a winner,” Dr. Schaap said. “For years, the industry has been on the precipice of fully embracing digital chairside dentistry.” Dr. Suh said “NEVO should give those who have been tentative the ability and confidence to now jump.”

“We are very pleased to hear positive reviews from experienced, highly regarded dental professionals who recognize the critical importance of CAD/CAM technology for both the practitioner and patient,” said Gary Severance, DDS, chief marketing officer, D4D Technologies. “With NEVO, practitioners can be confident that they are providing the highest quality patient care with exceptional patient comfort. We are delighted to hear our first NEVO users confirming these qualities.”

The E4D NEVO Scanner and Design Center was featured at the E4D Business of Dentistry conference in August in Las Vegas. For more information, visit www.businessofdentistry.com/e4d.

For more information about the E4D NEVO Scanner and Design Center, visit www.E4D.com or www.henryscheindental.com.

The E4D NEVO Design Center also gives the practitioner increased flexibility and portability. Dentists can easily move the E4D NEVO Design Center from operatory to operatory, or even among multiple offices, all while wirelessly connected to the milling center for maximum productivity and patient service, the company said.

About D4D Technologies

Headquartered in Richardson, Texas, D4D Technologies, LLC, is taking the dental profession to a higher level of productivity, patient comfort, and convenience with its E4D restorative systems. E4D’s open platform and E4D Sky communication network enable dental professionals to choose a custom solution to fit their needs, according to the company. E4D offers high-speed laser scanning technology to produce digital 3D impressions of teeth without powder. Intuitive DentalLogic software enables operators to easily customize restoration designs and send them wirelessly to the precision mill that uses the latest restorative materials to produce fine esthetic restorations. E4D continues to expand the possibilities in dentistry with E4D Compare™ for restorative-driven implant solutions and E4D Compare™ adaptive learning technology for teaching institutions. Contact the company at www.e4d.com or like at www.facebook.com/E4DandDentist.

About Henry Schein, Inc.

Henry Schein, Inc., is the world’s largest distributor of health-care products and services to office-based dental, medical and animal health practitioners. The company also serves dental laboratories, government and institutional health-care clinics and other alternate care sites. A Fortune 500® Company and a member of the NASDAQ 100® Index, Henry Schein employs more than 15,000 Team Schein Members and serves more than 775,000 customers. For more information, visit the Henry Schein Web site at www.henryschein.com.

* Thunderbolt is a trademark of Intel Corporation.

Introducing Straumann’s sterile healing solution

Straumann healing components in its new sterile packaging are designed for convenient handling with direct pick-up from the package with an SCS screwdriver, the company says. This new packaging is easy to open and provides a solution for organized storage and maintenance of your inventory.

The improved Bone Level RC Healing Abutments feature a modified shape that more closely matches the dimensions of respective IL final abutments, the company says. This change to existing offerings is designed to address clinician’s needs for improved handling and patient comfort during final restoration.

Straumann — a global leader in implant dentistry with surgical, restorative, regenerative and digital solutions for the dental and lab business — is considered a pioneer of innovative technologies. The company is committed to Simply Doing More® for dental professionals and patients. The company asserts its vision is to be the commercial partner of choice in implant, restorative and regenerative dentistry with world-class customer service and highly skilled technical support.

To learn more about Straumann, visit www.straumann.us.

Photo/Provided by D4D

* Thunderbolt is a trademark of Intel Corporation.

Straumann’s sterile packaging is designed for convenient handling.

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Tech-savvy patients appreciate i-CAT FLX technology

By Imaging Sciences staff

For procedures such as implants, endodontics and orthodontics, having the right technology can make a world (wide web) of difference. With the public’s increasing use of the computers, finding the name of a dentist on the Internet is relatively simple. However, with a wealth of knowledge at their fingertips, potential patients are looking for more than just a name and location close to their home.

Many patients are interested to discover if the clinician is using technology that will lead to a more exact diagnosis and effective treatment plan. When they find that the practice has invested in an i-CAT® FLX cone-beam 3-D imaging system that offers the benefits of 3-D scans with lower radiation dose, their search for comprehensive treatment will be complete, Imaging Sciences believes.

Dentists who have implemented 3-D technology can share the highly visual scans with their patients for better understanding about the reasons for treatment. With i-CAT FLX Visual iQuity™ image technology that provides i-CAT’s clearest 3-D and 2-D images, clinicians can show patients scans of their own teeth, roots and bone.

Imaging Sciences believes patients appreciate that such details visible on 3-D scans can help to possibly avoid surgery. The dentist can diagnose more succinctly, plan more efficiently and have more confidence in the successful completion of the treatment plans for procedures such as implants, root canals and tooth movement.

Besides the ability to view the dentition in three dimensions, with i-CAT FLX, patients have the added benefit of lower radiation. The QuickScan+ feature allows for a full-dentition 3-D scan at a lower dose than a panoramic image, and the SmartScan STUDIO touchscreen interface and integrated acquisition system gives the clinician the opportunity to select the appropriate scan for each patient at the lowest acceptable radiation dose.* Customized scanning options give greater control of the field-of-view, dose and resolution.

With i-CAT FLX, clinicians do not need to compromise between image quality and patient safety. Imaging Sciences asserts. They can achieve all of the advantages of 3-D imaging with lower radiation exposure. i-CAT’s powerful, flexible and fast CBCT technology is also compatible with the latest in CAD/CAM programs in robotics and guided surgery that result in less invasive and more predictable treatment, the company says.

Visit the i-CAT booth at the upcoming AAP and AAOMS meetings to see the latest in award-winning technology: the i-CAT FLX. You’re sure to appreciate its control over scan size and dose, the company says.

Visit www.i-cat.com for more information and to register for the 7th International Congress of 3D Dental Imaging.

* Data on file
3D imaging **for lower dose**
than a 2D panoramic*

is not magic...

...it’s **i-CAT**

The i-CAT FLX is a reality!
This latest advancement of our award-winning technology offers a range of innovative features that deliver increased clarity, ease-of-use, and control. Now with Visual iQuity™ and QuickScan+ technologies, the power of capturing diagnostic 3D images at a lower dose than a 2D panoramic x-ray is in your hands.

Visit us at the AAP Annual Meeting in Booth #1015
or at the AAOMS Annual Meeting in Booth #1227

www.i-CAT.com

*Utilizing the i-CAT FLX QuickScan+ exposure protocol. Data on file.
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- Precise, tension-free fit
- Comprehensive 10-year warranty

In addition to ATLANTIS™ patient-specific abutments, the ATLANTIS™ ISUS solution includes a full range of implant suprastructures for partial- and full-arch restorations. The range of standard and custom bars, bridges and hybrids allows for flexibility in supporting fixed and removable dental prostheses.

For more information, including a complete implant compatibility list, visit www.dentsplyimplants.com.