It’s greater in New York

Greater New York Dental Meeting expands with new Global Orthodontic Conference

The largest dental event in the United States keeps getting bigger. New for this year, the 91st Annual Greater New York Dental Meeting is hosting a Global Orthodontic Conference, with offerings for specialists and general practitioners. Also added to the agenda is a full-day International Oral Cancer Symposium on Saturday. The new events come on the heels of last year’s inaugural World Implant Expo, which returns this year with “second-annual” in its title. The expo features top speakers and the latest information on implant treatments and technology.

Also back this year is “ColLaboration: Education for Dental Laboratory Technicians” as well as the highly popular “Live Dentistry Arena” right on the exhibit floor.

Dates for education sessions are from Nov. 27 through Dec. 2, and the four-day exhibit hall will be open for business from Nov. 29 through Dec. 2.

Meeting organizers estimate the meeting will attract more than 53,000 attendees from all 50 U.S. states and 137 countries.

As always, preregistration is free for all registrants, with no membership requirements with any organization.

More than 275 speakers from across the world will be presenting more than 300 educational sessions, courses, hands-on workshops and demonstrations.

More than 700 companies will be exhibiting in more than 1,600 booths in the exhibit hall. Just exploring the exhibit hall can earn you one C.E. credit.

A central attraction in the exhibit hall returns this year, with eight real-patient demonstrations scheduled in the Live Dentistry Arena. Also back this year is the Technology Pavilion with educational programs on lasers, digital scanning, CAD/CAM and cone beam.

The meeting features a variety of programs specifically oriented toward women.

• GREATER, page A2
en practitioners. There is also a designated program for new dentists.

Tickets are required for all programs with the exception of the alumni/affiliated group programs and the Live Dentistry Arena. Many sessions are multilingual (Spanish, Russian, Portuguese, French and Italian).

Be sure to download the GNYDM 2015 mobile app to make it easier to plan out your attendance strategy. The app’s planning tools include a comprehensive search engine and interactive maps that make it easy to find companies, discover products, navigate the show floor and stay up-to-date with meeting-related news and events.

Meeting organizers say that the Greater New York Dental Meeting is designed to create an experience that inspires and empowers. The meeting consistently delivers countless opportunities to discover new approaches, to touch and feel the latest technologies and materials and to interact with fellow practitioners and top industry representatives.

And, of course, the meeting’s biggest attractions of all will be available in full force: the wonders of New York City at the onset of the holiday season, with shopping, Broadway shows, museums, restaurants, and endless exploring.

(Source: 2015 Greater New York Dental Meeting)
“My personal journey at LVI taught me the most cutting edge techniques in dentistry. It taught me how important it is to work on my business and most of all to love what I do and provide my patients with life changing dentistry.”

Dr. Conchi M. Sanchez-Garcia, Miami, FL

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20 YEARS OF EXCELLENCE
Sirona announces upcoming SIROWORLD eEvents

Festivities at dental shows lead to main event in August in Orlando

Dentistry company Sirona Dental Inc. has announced several upcoming SIROWORLD Celebration events scheduled in conjunction with major dental trade shows leading up to the annual SIROWORLD Celebration event that runs from Aug. 11-13 in Orlando.

“SIROWORLD is the event we always dreamed of creating for the dental community,” said Sirona President Michael Augins. “It’s an all-encompassing, epic-scale educational experience that could not be contained to only celebrating in August 2016, therefore, we are celebrating SIROWORLD throughout the year at various industry trade shows.”

SIROWORLD festivities currently planned in conjunction with major dental trade shows include meetings in New York City, Chicago and Anaheim, Calif.

At GNYDM kick-off celebration: Guest speaker Daymond John

The kick-off celebration takes place during the Greater New York Dental Meeting on Sunday, Nov. 29, at TimesCenter in the heart of the city’s Times Square District. Attendees will be treated to an evening of dental education, networking opportunities, food, drinks and special guest speaker Daymond John, an award-winning business executive and star of the ABC network’s show “Shark Tank.”

Pacific Dental Conference plans to include a St. Patrick’s Day twist

Because opening day of next year’s Pacific Dental Conference coincides with St. Patrick’s Day, conference attendees will get to enjoy the holiday with a Western Canada flavor — while also earning C.E. credits.

The PDC, which typically attracts more than 12,500 dental professionals, will be from March 17-19 in Vancouver, British Columbia.

More than 150 local, North American and international speakers will present 150 open sessions and 36 hands-on courses covering a variety of topics. Attendees also will be able to explore Canada’s largest two-day dental tradeshow (with more than 300 exhibitors), getting the year’s first chance in Canada at seeing the latest in dental equipment and services.

For most attendees, C.E. credit is given for general attendance (up to five hours) and individual courses (up to 20 C.E. credits). Online registration opens Oct. 15 at www.pdcconf.com. Special hotel rates are available now.

(Source: Pacific Dental Conference)

O’Conference in Vancouver

Get to Vancouver in March to find what the leprechauns hid at the end of the rainbow. (Photo/Provided by Pacific Dental Conference)

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Speaking at the TimesCenter during the GNYDM: Daymond John, an award-winning business executive and star of the ABC network show “Shark Tank.” (Photo/Provided by Sirona Dental Inc.)

LVI Core I three-day course enables dentist and team to learn together

By Mark Duncan, DDS, FAGD, LVIF, DICOI, FICCMO, Clinical Director, LVI

As a patient, I expect the best care I can find. As a doctor, I want to deliver the best care possible. That takes us to the power of continuing education, and as doctors we are faced with many choices in continuing education.

As a way to introduce you to the Las Vegas Institute for Advanced Dental Studies, or LVI, I want to outline what LVI is about and what void it fills in your practice. The alumni who have completed programs at LVI were given an independent survey, and unlike the typical surveys, 99.7 percent said they love practicing dentistry, and of those surveyed, 92 percent said they enjoy their profession more since they started their training at LVI. That alone is reason enough to go to LVI and find out more.

Functional Dentistry: Power of Physiologic-Based Occlusion

While the programs at LVI cover the breadth of dentistry, the most powerful and life-changing program is generally reported as Core I, “Advanced Functional Dentistry: The Power of Physiologic-Based Occlusion.”

This program is a three-day course that is designed for doctors and their teams to learn together about the power of getting their patients’ physiology on their side. In this program, doctors can learn how to start the process of taking control of their practice and start to enjoy the full benefits of owning their practice and providing high-quality dentistry.

Comprehensive care

Whether he or she works in a solo practice or in a group setting, every doctor can start the process of creating comprehensive care experiences for his or her patients.

We will discuss why some cases that doctors are asked by their patients to do are actually dangerous cases to restore cosmetically. We will discover the developmental science behind how unattractive smiles evolve and what cases may need the help of auxiliary health care professionals to get the patient feeling better.

The impact of musculoskeletal signs and symptoms will be explored and how the supporting soft tissue is the most important diagnostic tool you have — not simply the gingiva, but the entire soft-tissue support of the structures not just in the mouth but also in the rest of the body.

A successful restorative practice doesn’t need to be built on insurance reimbursement schedules.

An independent business should stand not on the whims and distractions of a fee schedule but rather on the ideal benefits of comprehensive care balanced by the patients’ needs and desires. Dentistry is a challenging and thankless business, but it doesn’t have to be. Through complete and comprehensive diagnosis, there is an amazing world of thank-yous and hugs and tears that our patients bring to us, but only when we can change their lives. The Core I program at LVI is the first step on that journey.

That’s why when you call, we will answer the phone. “LVI, where lives are changing daily!”

Las Vegas Institute for Advanced Dental Studies offers Core I, a three-day course for dentists and their teams. (Photo/Provided by Las Vegas Institute for Advanced Dental Studies)
BruxZir® Solid Zirconia has transitioned from being solely a posterior material to being an anterior material as well. By increasing the amount of yttria in the zirconia oxide, we were able to create BruxZir Anterior, which features increased translucency and esthetics.

Flexural Strength Testing per ISO 6872 specification

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www.bruxzir.com
Rhein’83, a global producer of precision attachments on removable prosthesis, describes its OT Equator as the smallest dimensional attachment system on the market. It has a reduced vertical profile of 2.1 mm and diameter of 4.4 mm (metal housing included). It is compatible with any implant brand.

Superior stability
Because of its shape, Equator provides superior stability when compared with traditional attachments, according to the company. Equator diminishes the risk of excessive stripping, ensuring more conservative removal of enamel in specified amounts. It also eliminates damage to gingival tissue.

More durable orthodontic treatment
With Equator, dentists can correct disproportionate tooth sizes, eliminate crowding, preserve enamel and increase the durability of orthodontic treatment. Unlike rotary instruments that may ditch enamel or damage underlying tissues, Equator tips are safe-sided and will not affect adjacent surfaces. They are gauged to prescribed amounts of reduction in five sizes, from 0.25 to 0.5 mm.

Caps are available in four colors, based on levels of retention — from a minimum of 0.6 kg to a maximum of 2.7 kg. Caps should always be used with metal housing.

Learn more
To learn more about OT Equator, you can contact the company by email at info@rhein83usa.it or by telephone at (877) 778-8383. You can visit the company online at www.rhein83usa.com to learn more about all of its products and services, including the OT Equator.

(Source: Rhein’83)
NEW! Visalys® Core –
Secure core build-up for high stability.

Visalys® Core is a fluoride-containing, dual-curing composite, developed for the fabrication of radiopaque core build-ups and core fillings and for cementing root posts. The product incorporates Active-Connect-Technology (ACT), which is unique in the market. This enables the material to bond actively with popularly used light-curing and dual-curing, single-step and multi-step adhesives, without an additional activator. The advantage for users is that it allows them to use the bonding agent they are used to – no matter whether it is a light-curing or dual-curing, a single- or multi-bottle system. Call 877-532-2123 direct to place an order.

www.kettenbachusa.com

Come see Kettenbach at the
Greater New York Dental Meeting
Booth #3537
86A Avenger splash hood: Safety hazard intervention at low cost

By Handler Manufacturing Co. Staff

The Handler Manufacturing Co. has released the 86A Avenger, an innovation for the dental lab designed to help contain contaminants during various polishing and grinding applications. Both OSDAP and OSHA standards require the use of a splash-hood device with protection from splashing to contain contaminants when polishing and grinding in the lab environment. In addition to creating a safety hazard, noncompliance could lead to a fine stemming from an OSHA inspection.

New level of safety and cleanliness

According to the company, Handler revolutionized polishing applications with Red Wing lathes, polishing units and splash hoods. Handler aluminum and resin splash hoods are used in more offices and dental labs than any other containment device when polishing or grinding.

Now, according to the company, the 86A Avenger takes the application to a new level of safety and cleanliness. The company describes the 86A Avenger as being a low-cost way to contain hazardous contaminants when polishing or grinding using a Red Wing Lathe or handpiece.

Solid, sturdy resin material

The 86A Avenger, manufactured of solid, sturdy resin material, has two parts: a bottom and a hood that has no hardware or fixed attachments. According to the company, the innovative design makes it easy and efficient to clean and disinfect after every application. The proprietary pulse characteristics of the Lightwalker laser results in a removal clear acrylic shield specially coated with a material to protect it against scratching. The footprint of the 86A Avenger is larger, and the spacious cavity makes it comfortable and ergonomic for any user. It also has a three-inch dimple in the rear that can be cut off to add suction.

Features and benefits

- OSHA and OSDAP complaint
- Resin material with no hardware, fixture or attachments makes it easy and efficient to clean and disinfect after every application
- Spacious cavity is ergonomic for all grinding and polishing applications in the lab
- Clear acrylic shield is coated so it is scratch resistant for longer life
- Ergonomic design for easy viewing of application
- Surround construction maximizes containment of dusts and hazardous contaminants
- Manufactured of sturdy resin material for longer lasting use
- Low-cost solution to keeping the work place and air cleaner and safer

Visit Handler in booth No. 101 in the exhibit hall at the Greater New York Dental Meeting. You can contact Handler by email at rickladuca@handlerndfg.com or at (800) 274-2655. Visit Handler online at www.handlerndfg.com.

Silence snoring with ‘NIGHTLASE’ and cutting-edge laser esthetic applications

Fotona Lightwalker dual-wavelength laser offers less-invasive treatment option

By Harvey S. Shiffman, DDS

Silence snoring with ‘NIGHTLASE’ and cutting-edge laser esthetic applications

Fotona Lightwalker dual-wavelength laser offers less-invasive treatment option

Fig 1. The NIGHTLASE snoring reduction therapy protocol, which uses the Fotona Lightwalker dual-wavelength laser, results in a visible elevation of the soft palate and uvula and a tightening of the oropharyngeal tissues. That, in turn, results in an improvement in the upper airway volume.

Photo/Provided by Dr. Harvey S. Shiffman

Fig 1

By Harvey S. Shiffman, DDS

Of the commercially available hard- and soft-tissue lasers, the Fotona Lightwalker dual laser wavelengths of Nd:YAG and Er:YAG have high efficacy and ability for almost unlimited pulse control, and the following procedures have been developed to take advantage of these attributes. Along with this increased level of performance comes significant patient comfort.

Snoring affects millions

Snoring affects millions of Americans, and of those approximately 67 percent may have some type of significant sleep disorder. Dentists are in a great position to help screen and in many cases treat these problems with airway management. Helping patients improve their sleep can profoundly improve their health, their quality of life and the well-being of their loved ones.

The “Gold Standard” for the treatment of sleep-disordered breathing is the CPAP-type device. Following that in 1981 was the introduction of Mandibular Advancement Devices (MAD). Compliance with both of these treatment modalities shows a reduction of new and of significant side effects. However, NIGHTLASE™ snoring reduction therapy protocol is a unique approach to treatment using the Fotona Lightwalker dental laser with a proprietary protocol and handpiece.

NIGHTLASE uses the photothermal capabilities of the Lightwalker laser to convert and initiate the formation of new and more elastic collagen. The target mucosal tissues are the oropharynx, soft palate and uvula.

The proprietary pulse characteristics create non-ablative heat generation that initiates the conversion of existing collagen to more elastic and organized forms and also initiates “neocollagenesis,” the creation of new collagen. This process results in a visible elevation of the soft palate and uvula and tightening of the oropharyngeal tissues, resulting in an improvement in the upper airway volume. The results can be seen in Figure 1.

Alternative to, or co-therapy with, appliance or CPAP device

NIGHTLASE therapy is indicated for cases when the patient has been diagnosed with chronic snoring, UARS or mild to moderate sleep apnea and either cannot or chooses not to wear an appliance or CPAP device. It can also be used in co-therapy with those devices and represents a less-invasive alternative to current surgical, chemical or radiological options that may require hospitalization, general anesthesia or soft-tissue mutilation.

NIGHTLASE has an extremely high success rate in producing a positive change in sleep patterns.

Research has shown that it can reduce and attenuate snoring and provides an effective non-invasive modality to lessen the effects of obstructive sleep apnea.

Not permanent, but easy touch up

NIGHTLASE therapy is not a permanent alteration. It lasts anywhere from six to 12 months, however, according to the company, it can be easily touched up.
**Hyperion X5: ergonomics**

The world’s smallest wall-mounted panoramic imager.

**HYPERION X5** has the distinction of being the smallest pan unit ever available in the market. With an ultra-simple user interface, the X5 achieves up to 15 high-definition 2D projections in just a few simple steps. Installation is astonishingly quick, with minimal time and cost.

The X5’s automatic focusing and Morphology Recognition Technology (MRT) eliminates the need to manually set exposure parameters and patient jaw size, achieving precise positioning every time, while guarding against under- or overexposure.

Thanks to the iRYS image management software that’s included with every MyRay device, Hyperion X5 can share its images with all of a practice’s PCs. No other imaging option streamlines workflow more.

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**INDUSTRY NEWS**

**MyRay: New products coming to U.S.**

**MyRay Hyperion X5 is smallest pan unit ever; C-U2 intraoral camera has innovative HD sensor**

**By Cefla Medical Solutions Staff**

In addition to making history as the first-ever, wall-mounted panoramic imaging system, the MyRay Hyperion X5 has the distinction of being the smallest pan unit ever available, which enables it to be installed in virtually every practice, according to the company.

With an ultra-simple user interface, the X5 achieves up to 15 high-definition 2-D projections, including multi-layer panoramic, bitewing and quick-pan modes in just a few simple steps. Installation is quick, with minimal time and cost, according to the company.

The X5’s automatic focusing and Morphology Recognition Technology (MRT) eliminates the need to manually set exposure parameters and patient jaw size. This achieves precise positioning each and every time, while guarding against under- or over-exposure.

The unit’s high signal-to-noise ratio clarifies clinical details, and the broad focal layer ensures quality images in every circumstance. Thanks to the iRS image management software that’s included with every MyRay device, Hyperion X5 can share its images with all of a practice’s PCs. No other imaging option streamlines workflow more, according to the company.

C-U2 intraoral high-definition camera

The C-U2 intraoral high-definition camera has ushered in a new era in patient communication with clear, high-contrast, real-time images, plus footage that showcases the esthetics of a smile or a single tooth with maximum high resolution, according to the company.

Thanks to the 1/8” lens aperture and the innovative HD sensor, 10-g aspect ratio and 1280-resolution images are achieved and benefit from homogeneous light and natural colors under all circumstances.

The progressive-scan digital video system is incorporated into a nimble and precise handpiece for complete flexibility and perfect image capture. It connects via USB to both Windows and Mac operating systems to provide automatic on/off, live video and still images. A multifunction button and automatic focus-free-adjustments make it easier than ever to view, browse, enlarge and save. Use of MyRay’s iRS5 software platform makes sharing of images with other practices seamless. With the C-U2 HD, the high-definition examination has definitively come of age, the company asserts.

In addition to being behind MyRay, Cefla Medical Solutions is a leading source of many other technologically-advanced dental brands, including Anthos, NewToms and Sterngold, among others. The multifaceted organization and experienced engineering staffs are dedicated to driving the evolution of the industry and helping to lead professional changes and requirements throughout the world.

For more information, you can visit Cefla in booth No. 3000 at the exhibit hall at the Greater New York Dental Meeting. You can also visit the company online at www.cefladental.com.

**Cosmetic procedure: intraoral facial rejuvenation**

SMOOTHLASE is another thermally-mediated therapy using the Lightwalker laser. It was developed to be used intra-orally for facial rejuvenation.

Depending on the depth of the vestibule, practitioners are able to treat wrinkles, lines and sagging from the infraorbital area to the angle of the mandible. This includes peri-oral vertical lip lines and the “disappearing lips” often seen in mature adults. SMOOTHLASE uses a high-tech proprietary handpiece that enables virtually painless therapy requiring no injections or anesthetic.

The procedure shows immediate results that continue to improve over the course of treatment and beyond. Compared with chemical and surgical alternatives, SMOOTHLASE is an all-natural therapy, with no requirements for injecting toxins or artificial fillers.

Using the Lightwalker laser, practitioners can now offer patients cosmetic and health improvements that reach beyond restorative and rehabilitative dentistry.

Editor’s note: Shiffman will be presenting these and other cutting-edge laser dental procedures at the 2015 Greater New York Dental Meeting (GNYDM), digital intraoral, panoramic and 3-D imaging systems, dental treatment centers and handpieces. Visit www.sironausa.com for more information about Sirona and its products.

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**SIROWORLD, page A4**

“Consistently, Sirona strives to provide dental products that improve the patient experience and benefit the practice lifestyle,” Augins said. “It makes sense that we would also give dental professionals the business tools needed to enhance their brand and product offerings to further their success. Raymond John has proved himself as an innovator in industry and a formidable business mogul whose insight will motivate and inspire attendees.”

Additionally, Dr. Mike DiTolla will present the latest technology advancements in dentistry, and Fred loyal of 1-800-DENTIST will share how dentists can take their current social media strategy, tactics and implementation to the next level of customer engagement, profitability and ROI.

SIROWORLD members need a wide variety of skills both clinical and in business,” Augins said. “Not only will attendees walk away with business techniques to improve their practice, they will also leave the event with information that will help them increase practice productivity and tips to successfully use social media to further enhance their dental practice.”

SIROWORLD is a membership-based community in which like-minded visionaries gather to create the largest network of technology-driven dental professionals. Membership includes access to the annual SIROWORLD event featuring three days of world-class educational sessions, abundant networking opportunities, unsurpassed entertainment and special celebrity appearances.

Additionally, SIROWORLD members may attend exclusive educational events at major U.S. trade shows, get optional VIP access/reserved seating and join special SIROWORLD trips (e.g. IDS visit or Sirona Bensheim visit), while learning from and connecting with the greatest minds in digital dentistry and being among the first to learn about new software and updated technologies from Sirona.

At the Chicago Dental Society meeting, Sirona is hosting a SIROWORLD Superheroes of Dentistry party on Friday, Feb. 26, at the House of Blues. Attendees are encouraged to dress in their best superhero costume.

A special SIROWORLD event is also planned during the California Dental Association meeting in May. More details are available at SIROWORLD.com.

We are excited to launch these SIROWORLD events and continue our long-standing tradition of delivering world-class education and outstanding entertainment to the dental community,” said Augins. “Having several events throughout the year leading up to the annual SIROWORLD event in Orlando planned for August 2016 will showcase the best of SIROWORLD on a national stage. Certainly, all participating dental professionals will be enriched as a result attending these celebrations.”

Pricing for SIROWORLD is now available at $19,995 a year for a membership and $2,995 a year for VIP membership and includes entrance into all of the celebration events planned at the trade shows and the annual event in Orlando. Total Office membership packages are currently available for $5,995, for a total savings of $4,000 off list price, and include SIROWORLD membership for up to six people. For further details on SIROWORLD membership and information, please visit www.SIROWORLD.com or contact your Patterson representative.

**About Sirona Dental**

Sirona has served dealers and dentists worldwide for more than 130 years. Sirona develops, manufactures and markets a complete line of dental products, including CAD/CAM restoration systems (CEREC®), digital intraoral, panoramic and 3-D imaging systems, dental treatment centers and handpieces. Visit www.sironausa.com for more information about Sirona and its products.

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**NIGHTLASE, page A8**

up at follow-up appointments. NIGHTLASE is biologically different than other laser protocols that have been previously used.

The focus with traditional protocols was to induce fibrosis and limit tissue mobility, whereas NIGHTLASE is focused on reducing the collapsibility of the upper airway and maintaining natural tissue mobility.

For more information, please visit SIROWORLD.com or contact your Patterson representative.
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FREE accessories with purchase of any Red Wing Lathe

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86A AVENGER S.H.E.E.D.
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Kettenbach presents Visalys Core, new generation of core build-up material

Visalys® Core, the new product from Kettenbach LP (www.kettenbachusa.com), represents the next generation of core buildup materials, according to the company. The most recent addition to the Visaly family is a dual-curing core buildup material with unique Active-Connect Technology (ACT) to ensure a reliable bond with all common adhesives — without an additional activator. The product was unveiled at this year’s International Dental Show (IDS) in Germany. Visalys Core is the first core buildup material from Kettenbach. The fluoride-containing, dual-curing composite was developed for the fabrication of radiopaque core buildups and core fillings and for cementing root posts.

According to the company, Active-Connect Technology, unique in the market, enables the material to bond actively with all common light-curing and dual-curing, single-step and multistep adhesives, without an additional activator. The advantage for users is that it enables them to use the bonding agent they are used to — whether it is light-curing or dual-curing — or a single- or multi-bottle system.

According to the company, the technology simply provides a firm foundation — stable and precise. The company reports that Visalys Core ensures easy and reliable handling with “excellent positional stability.” At the same time, it exhibits good flowability and low extrusion force. The compressive strength results in a stable monoblock and a secure bond. Optional light-curing allows the procedure to be continued immediately. Reliable self-curing provides for dependable strength even on the cavity floor and in root canals. Excellent polishing characteristics ensure precise preparation; even without light-curing, the smear layer is minimal. The product is also free of Bisphenol A and its derivatives.

Visalys Core is available in dentin and white shades in a 5 ml double syringe and in a 25 ml cartridge.

For detailed information about Visalys Core, visit the Kettenbach website at www.kettenbachusa.com.

About Kettenbach
Kettenbach (Huntington Beach, Calif.) is the exclusive U.S. distributor for Kettenbach GmbH & Co. KG (Eschenburg, Germany). Founded by August Kettenbach in 1944, Kettenbach GmbH was created for the development and marketing of dental materials and is also known in other surgical areas of medicine. Brands include Panasil VPS Impression Material, Identium VSXE Impression Material, Futar Bite Material, Silginat Alternative Alginate, Visalys Temp Material, Mucopren Resilient Liner and Visalys Veneers.

For more information about Kettenbach LP products, you can call (877) 532-2123 or visit www.kettenbachusa.com.

(Source: Kettenbach)
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New options for non-vital teeth: Colibri

By Stefan Koubi, DDS, PhD
Founder, l'institut de la facette

Introduction
Cemented corono-radicular restorations (CCR) using fiber posts are now recognized as an excellent alternative to restorations using cast or prefabricated metal posts. Their success is directly linked to the advantages of what many refer to as "adhesive" dentistry, which is biologically compatible, causes less mutilation and permits rehabilitations of high esthetic quality.

The success of this type of restoration is subject to a specific and stringent methodology and is also linked to understanding a new approach that is very different from the mechanistic dogmas prevailing in the manufacture of inlay cores.

Additionally, use of corono-radicular restorations requires a high degree of knowledge of pulpless teeth and the advent of partially cemented restorations, which is a new treatment for pulpless teeth. For this first option the key factor will be a proper and accurate injection of core buildup resin in the root anatomy to get perfect homogeneity. Hence other options can be suggested to reconstruct anatomy if rubber dam or good bonding procedures cannot be used (indirect technique). In these cases, making an accurate impression of the root anatomy and cervical margin for the final crown and then cementing a post can be a challenge.

Indications
At present, there are an array of corono-radicular reconstruction techniques. For many years, the two most commonly used standards were materials wound around a prefabricated post and sealed metal inlay-core (Fig. 1).

However, to get the most out of this sequence, certain major points relating to the final restoration quality should be emphasized:

• Biomechanical considerations (favor the passive post principle over that of the adjusted post).• Biological considerations (capital impact of cementing and the composite resin in these reconstructions).• Esthetical considerations (taking into account the light phenomena in terms of materials used).

Clinical procedures
Operating area: A set of suitable clamps and an elastic, thin — and above all — strong dam is an essential prerequisite for any adhesive technique.

Chamber preparation. With altered tissues and filling residue eliminated from the crown portion, using a series of gates-glidden and large drills of increasing diameter eliminates most of the endodontic filling material and roughly prepares the root chamber. The length of the chamber must be adapted to the anatomy of the tooth in question, while taking into account the additional retention provided by the reconstruction cementing, which reduces its depth within limits well below the root two-thirds recommended for metal posts. It must be equal to the height of the future crown stump (8 mm). The chamber diameter does not exceed that of No. 3 largo drill or very occasionally No. 4. This result in less mutilation and more saved tissue. To optimize the quality of surfaces before cementing, the root walls are cleaned using a long-necked ball burr with diameters supplemented by ultrasound with suitable inserts. The number of posts used on multirooted teeth is intimately linked to the size and shape of the roots.

• See COLIBRI, page A16

Figs. 2a-d: Preparation of root anatomy with largo drill (2a); test of Colibri insert after preparation of root canal (2b); injection of composite resin into the root anatomy for cementation of the post (2c), and placement of the post (2d).

Fig. 3: X-ray view of the accuracy and homogeneity of the injection with Colibri.

By Stefen Koubi, DDS, PhD
Founder, l’institut de la facette

Single bottle adhesive self-cures without light activation

VOCO recently introduced Futurabond M+, a universal single-bottle adhesive. Futurabond M+ versatility enables it to be used in self-, selective- or total-etch mode without any additional primers on virtually all substrates. Futurabond M+ achieves total-etch bond strength levels with all light-, self- and dual-cure resin-based composites, cements and core buildup materials. With a dual-cured activator Futurabond M+ will self-cure without any light activation, which, according to the company, offers a big advantage for endodontic applications such as post cementation where it avoids the pooling effect, a problem with light-cured adhesives. Futurabond M+ also adheres well to metal, zirconia and ceramic, making extra primers unnecessary.

Futurabond M+ needs only one coat and takes 35 seconds from start to finish. Its low film thickness of 0.9 microns makes bonding margins invisible (no "halo" effect) and prevents pooling problems. It does not need to be refrigerated. Benefits include its indication as a desensitizer for use under amalgam restorations or on hypersensitive tooth necks as a protective varnish for glass ionomers and an intraoral repair of ceramic restorations. Learn more about Futurabond M+ at www.voco.com.

Ed Matthews appointed VP of sales at TAUB Products

TAUB Products, a manufacturer of dental consumable products, has named Ed Matthews vice president of sales.

Matthews will assume sales responsibility for all of TAUB’s new and existing dental products. The industry veteran has more than 15 years of dental sales and marketing experience.

“Ed are very pleased to have Ed as an important part of our executive team” said Jordan Taub, TAUB’s executive vice president. “His dental industry contacts will pay immediate dividends for us.”

Matthews is also the owner of Sure Business Logic, a creative dental sales services company. “I am pleased to join the TAUB organization in this capacity,” Matthews said. “I am looking to make their sales programs as successful as possible.”

TAUB will be at the Greater New York Dental Meeting in booth No. 2708. Matthews will be there to meet customers and discuss TAUB’s newest product, Zero-G Bio Implant Cement and Liquid Magic.

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to the degree of deterioration and size of the residual walls. Hence the number of posts will be increased (up to three) if there are no longer any existing walls, to improve mechanical retention of the reconstruction components.

Adhesive procedures and post cementing. The adhesive system selected must be dual- or chemical-cure and have a specific micro-applicator to obtain a high-quality hybrid layer. The composite resin, the second component of the system, must fill the spaces and coat the post for the purposes of damping and distributing the forces applied to it, by virtue of a modulus of elasticity similar to that of dentin. Finally, thanks to its capacities to bond with the adhesive, it contributes to the cohesion of the assembly.

The Colibri is placed into the root until gutta-percha contact and composite resin injection starts from the root to the coronal part. The composite resin is injected into the chamber to fill it completely, without a risk of leaving empty spaces (Fig. 2). It is important to note that coronary reconstruction is carried out at the same time with the same material to obtain a homogeneous assembly (Fig. 3) and avoid proliferation of interfaces (between the coronary reconstruction composite and the radicular composite) causing weakening of the assembly.

If walls are insufficient to host the material, a core former is used (after adjustment with scissors on the limits) to obtain homogeneity on the material thanks to the pressure exerted when it is placed (absence of air bubbles). When the use of a core form is needed, it is more efficient to also perform fiber post reconstruction and preparation for the crown directly after the setting time of the resin, all during the same appointment.

Impression of the occlusal area is important for accuracy of the cast and for the final crown.

The specific micro-instrumentation required to perform these restorations is also a key to success. Colibri mixing tips have the advantage of being universal for all types of canals and being designed as a single piece to improve the duration and quality of application.

Cemented corono-radicular reconstructions present numerous advantages:
• Ensure greater compliance with the root dentin through tissue saving and decreased failures due to heterogenous distribution of forces applied.
• Reduce the risks of fractures and the effects of corrosion.
• Recreate the tooth chromatic core, thereby enabling pure ceramic prosthetic devices, allowing circulation of light.

The Colibri is plugged on top of silicon cartridge instead of dual-cure composite resin to keep advantages of “all-in-one concept.” After the preparation with the drill largo 3 or 4 to remove root canal filling to place the post, the metal tip of the Colibri is placed into the root until gutta-percha contact and silicon injection starts from the depth until the coronal part in order to provide a good homogeneity. With the use of Colibri, the use of lentulo to improve the root filling with silicon is not needed. That reduces clinical steps and time needed for injection during the impression process.

When the post is fabricated in the lab, the practitioner must inject self-adhesive resin cement in the root before the placement of the post (Fig. 4).

Colibri at a glance

Two important clinical steps can be simplified with Colibri: 1) root anatomy impression, and 2) cementation of the inlay core.

The new device designed to fulfill all of the above-mentioned indications (direct core buildup technique, impression of the root anatomy and cementation of the post) is the Colibri.

The Colibri is a combination of the well-known standard mixing tip with an integrated cylindrical needle, which is bendable and 360-degrees fully rotatable. This versatility enables practitioners to simplify everyday dentistry — whatever the technique.

The Colibri is a gracile tool, able to also reach posterior and constricted working areas. Practitioners save time with the integrated needle because no additional tip assembly is necessary. The Colibri has a medical stainless-steel needle that enables corrective bendings without restricting the inner-diameter. The material flow is stable and comfortable. Different diameters, ranging from 0.9 to 1.4 mm, fit various material viscosities. Additionally, the rounded ends of the needle remove risk for injuries to the patient (Figs. 5, 6).

The company that manufactures the Colibri, Sulzer Mixpac, offers a market-leading system for single- and multi-component materials to the dental industry. The products are compatible with the various systems for impression and restorative materials.

The product is manufactured in Switzerland and assembled under ISO 9 cleanroom conditions. The raw materials are compliant with FDA regulations. As a result, the Colibri fulfills a high standard of cleanliness and hygiene.

Conclusion

The Colibri provides a new option to simplify reconstruction of non-vital teeth regardless of the selected technique. Direct technique — for core buildup restoration. Indirect technique — for impression of the post core (preparation) and cementation.

Other clinical applications are also indicated, such as cementation of the post with self-adhesive resin cement and traditional impression of cervical margin because of the accuracy of the metal needle on the mixing tip and its ability to bend. Colibri combines outstanding mixing quality with a previous unknown flexibility and can be used everyday in various applications.

STEFEN KOUBL, DDS, PhD, graduated from the Marseille University School of Dentistry in 1998. He then worked as a clinical assistant at the Hôpital Louis Mourier (Hôpitaux de Paris) in the department of stomatology headed by Prof. Poizat. He also was a research assistant at the University of Paris V School of Dentistry in Montpau. In 2008 he became associate professor, and in 2011 he earned his PhD. In 2013, he established “L’Institut de la Facette,” a private training center that focuses primarily on laminate veneer restorations and the minimally invasive rehabilitation of worn dentitions. Koubl can be contacted at koubi-dent@wanadoo.fr.
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Capitol Hill event advocates for increased access to oral health care for older adults

OHA and DTA bring oral-health leaders together to address challenges facing elderly Americans

By Jodie Heimbach, RDH, BS

Offering your patients alcohol-free products

Paroex®, the only FDA-approved alcohol-free 0.12 percent chlorhexidine gluconate mouthrinse.

GUM Paroex
To keep patients healthier and reduce the risk of allergies, many dental offices are now latex free and also now moving toward no-alcohol. In a similar principal, why not create an alcohol-free practice that will benefit the oral health of your patients without the irritation of alcohol? The GUM Paroex Chlorhexidine was tested beside Periex® and Periogard® to evaluate the effectiveness compared with products that contain alcohol. Results showed there was no difference in effectiveness between the alcohol-free and the others. The alcohol-free chlorhexidine was as effective as one containing alcohol in controlling plaque and reducing gingival inflammation.

Paroex is dispersed in a 16 oz. bottle that may be purchased at the dental office or by prescription from the local pharmacy. (A new 4 oz. bottle was introduced in 2014.) The dental professional can feel secure in dispensing an FDA-approved alcohol-free chlorhexidine to patients for periodontal maintenance, immunosuppressed conditions, post-surgical care and pre-procedural rinsing.

GUM Rincinol
GUM Rincinol® is a mouthrinse that provides whole-mouth pain relief. It is the first non-prescription bio-adherent mucoosal coating for long-lasting soft-tissue pain relief. The pain relief may occur in less than three minutes and has been reported to last for up to six hours. In addition, it does not contain alcohol or benzoic acid.

Additional concerns may be the individual who is suffering with xerostomia, ulcerative gingivitis and tissue damage, these conditions may be exacerbated by alcohol. Also consider treatment of the patients with alcohol dependency who may not reveal their full health history.

Using a product with 11.6 percent alcohol is not necessary when there is an alcohol-free alternative that is clinically equivalent.

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By Jodie Heimbach, RDH, BS

Fluoride or no fluoride, compact toothbrush or full size toothbrush, coronal polish first or polish last. The decisions necessary in the dental practice are numerous and many times are based upon personal choice.

How and when does the dental professional decide whether to eliminate alcohol products from the practice or limit the recommendation of products that contain a high quantity of alcohol?

The debate continues as to whether alcohol may be drying of the oral tissues, and substance abuse disorders are part of the human condition and touch as many as one in four American families.

If you are considering a reduction in the amount of alcohol used within product recommendations where should the dental professional begin?

One of the most common products the dental professional may recommend is chlorhexidine gluconate (CHX). CHX has been considered the gold standard for the reduction of biofilm and gingival inflammation. Chlorhexidine is an anti-septic mouthrinse that is bactericidal and effective against some forms of yeasts and viruses. Most chlorhexidine mouthrines contain 16.6 percent alcohol. If one were seeking an alternative to reduce alcohol by 16.6 percent, Sunstar America provides the clinician with GUM® Sunstar America provides the clinician with GUM®

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The lack of alcohol and benzocaine will reduce stinging and burning sensations, or any post-treatment numbing effects. GUM Rincinol will comfort patients with aphthous ulcers, denture sores, irritation from orthodontic appliances, removable prosthetics, post-oral surgery, scaling and/or root planning procedures, mucositis, xerostomia and any other intraoral irritation. Many dental professionals recommend the soothing rinse for use with those undergoing chemotherapy and radiation treatments.

GUM Rincinol promotes healing because it contains algae. It is safe for use in adults and children ages 6 and up and is even safe if accidentally ingested. Each application lasts up to six hours, but will depend on the daily diet regimen. The product may be purchased in a pack of in-
Barrier protection critical with any dental-care glove

While caring for their patients, dental and health care professionals are constantly exposed to bodily fluids that may carry viruses and other infectious agents. It is therefore critical that the gloves these professionals use provide the best possible barrier protection.

Many types of gloves are available today, but it is important to know that not all gloves have the same barrier capability, depending on the type of material used. For example, natural rubber latex gloves have long been acknowledged for their very effective barrier properties, while non-latex gloves, such as vinyl (polyvinyl chloride), have inferior barrier capability as shown by numerous independent hospital studies to mark-edly reduce the incidence of latex sensitization and allergic reactions in work-places.

More importantly, latex allergic individuals donning non-latex gloves can now work alongside their coworkers wearing the improved low-protein gloves without any heightened allergy concern. However, for latex-allergic individu-als, it is still important they use appro-priate non-latex gloves, such as qual-ity nitrile and polysisoprene gloves, that provide them with effective barrier pro-tection.

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In addition to the issue of using metal, the chemical processing of the hydrogenated white resin causes the varnish to be less adhesive than natural-based resins. Most of the varnishes using this processed resin do not adhere well to teeth, and those that initially stick to the surface wear off in a few hours after application. When you attempt to brush the varnish off your teeth, and you do not see the varnish on your toothbrush, it proves it is not still adhering at that point. This means that your patients have a much higher possibility of swallowing the fluoride, as well as ingesting trace amounts of metal.

Natural rosins do not use chemicals or metals to change the color of resin before being added to the varnish. The natural rosins are heated in a still to allow the unwanted materials to be filtered out through phase separation.

StarBright uses a natural-based resin, eliminating the risks of your patients ingesting chemically altered rosin. It is sweetened with Xylitol and comes in five flavors: caramel, bubblegum, mint, strawberry and cinnamon.

Due in large part to the natural resin, StarBright has one of the highest fluoride release rates on the market, according to Nanova Biomaterials. It actually stays on the teeth, ensuring the fluoride goes to the tooth and not the tummy.

In addition, when applied in a thin layer to dry teeth, the tinted resin is not visible on the teeth. So Nanova Biomaterials invites you to ask yourself, what is more important to your practice: Patient care quality or a misinformed perception of varnish?

Lead: Is it in your varnish?

Metal-free and thanks in part to the natural rosin, StarBright has one of highest fluoride release rates

By Nanova Biomaterials Staff

What is more important in your practice: Patient care quality or perception? There are pros and cons to everything in life, and fluoride varnish is no exception. In the past few years, there has been a movement toward using white (hydrogenated) rosin in fluoride varnish, based solely on the preference of esthetics over efficacy. If you are using a hydrogenated white varnish, your practice has chosen a misinformed perception of varnish capabilities over high-quality patient care.

There are many factors that affect fluoride release from a varnish. A major contributor is the base material — in many cases rosin. Products that solely use hydrogenated white resin consistently have lower fluoride release compared with StarBright.

Hydrogenated rosins undergo an additional chemical process, which bleaches the rosin by heating the material with hydrogen gas over a metal catalyst — lead, aluminum, nickel, platinum and/or palladium. The second stage of the process removes as much of the metal residue as possible, but it never completely removes these metals.

In addition to the issue of using metal, the chemical processing of the hydrogenated white resin causes the varnish to be less adhesive than natural-based resins. Most of the varnishes using this processed resin do not adhere well to teeth, and those that initially stick to the surface wear off in a few hours after application. When you attempt to brush the varnish off your teeth, and you do not see the varnish on your toothbrush, it proves it is not still adhering at that point. This means that your patients have a much higher possibility of swallowing the fluoride, as well as ingesting trace amounts of metal.

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Dr. Frank Spear will open AO 2016 Annual Meeting with his presentation


By AO Staff

Dr. Frank Spear will open AO 2016 Annual Meeting with his presentation

‘Risks vs. Rewards’ in implant dentistry

Dr. Frank Spear will open the Academy of Osseointegration’s (AO) 2016 Annual Meeting with his presentation, ‘Globalization of Training, Education and Comprehensive Collaborative Treatment Planning in Implant Dentistry: Understanding the Risks and Rewards.’

Spear has been restoring implants for 30 years and believes technique is one thing but perspective is another. “When you have been in practice long enough, you start asking different questions about what’s a best practice,” Spear said. “You get to see what performs well and what doesn’t.” Though most of his cases have worked out well, he admits he might have handled some differently.

Clinicians should consider both the risks and rewards for patients and what’s ahead for them in their life when placing implants. Spear will suggest key questions to ask when weighing risk vs. reward, such as:

- What is the age of the patient?
- What other conditions of the patient’s health should I consider before I place an implant?
- Can I delay this implant and save the tooth for the benefit of a patient’s long-term dental care?
- What can I do to help prolong the life of the restoration I use on top of the implant?
- What’s going to happen next if something fails?

Dr. Frank Spear will also cover the globalization of training and education, and comprehensive and collaborative treatment planning. Using the evolution of implant dentistry from the past three decades, his aim is to identify the best practices today, using the history of the science as a background for their development.

“We honestly didn’t know what we were doing in the ’80s — we were learning and flying by the seat of our pants,” he said. “Technology matured, and we improved in the ’90s and even more in the 2000s. And now we know what works, but we also know what doesn’t work.”

“It’s a good timeframe in the history of implants to look back at what we’ve done with a different perspective on it.”

Following Spear’s presentation, clinicians from around the world will present in the opening symposium on the risks and rewards for various topics of concern for today’s dental implant professional. From grafting with growth factors or biologics to not grafting at all, to bone augmentation, and even guided surgery, there are pros and cons to many of the decisions and treatments from which dentists choose.

Spear feels the AO Annual Meeting is a great way for clinicians to stay current on the best practices of implant dentistry. He has always enjoyed the learning aspect of the meeting, collaborating with the best and brightest clinicians from around the world.

“I enjoy getting to hear really bright people who are doing a lot, especially involved with research,” he said. “They are answering a lot of questions we’ve had for years, but we haven’t had the research answers for them.”

The AO 31st Annual Meeting is set for Feb. 17-20 in San Diego. You can register to attend at www.osseo.org. Follow AO on Facebook and Twitter using #AO2016 to stay up-to-date.

About the Academy of Osseointegration (AO)

With 6,000 members in 70 countries around the world, the Academy of Osseointegration is recognized as a premier international association for professionals interested in implant dentistry. The AO serves as a nexus where specialists and generalists can come together to evaluate emerging research, technology and techniques, share best practices, and coordinate optimal patient care using timely, evidence-based information.
California Implant Institute presents live patient surgical courses in Mexico

By California Implant Institute Staff

The California Implant Institute is pleased to present five-day Level I and Level II comprehensive live patient surgical externship courses in Baja California, Mexico, coming up soon.

Level I course

Attendees of the Level I course will implement step-by-step implant surgical protocols on live patients under the supervision of Louie Al-Faraje, DDS, and additional faculty. The five-day course will include eight hours of lectures on diagnosis and treatment planning of implant cases (around two hours each morning). Each attendee will place 10-15 implants and assist with multiple implants on live patients. Course participants will increase their knowledge and skill in the areas of flap design, alloplastic implant placement, bone grafting and suturing techniques. Upon completion of the externship, attendees will have a smoother transition from the classroom to surgically placing implants in their own offices.

All patients are carefully selected by the California Implant Institute faculty, and CT scans are provided for all patients. During the most recent program, 15 participants placed more than 170 implants, including immediate and computer-guided placements, and performed multiple bone-grafting procedures.

Level II course

Attendees of the Level II course will increase their knowledge and skill level in the areas of advanced implant surgical techniques, including lateral-window sinus lifting, maxillary and mandibular ridge expansions, CT graft and block grafting. Level II participants will work also with Piezotome and CO2 laser units, which are available at each Level II working station. Attendees will add advanced implant-related surgical procedures to their practice.

Upcoming courses

The live patient surgical externship in Mexico is provided four times a year. Each of the Level I and Level II programs offer 40 C.E. credits. Complete information on the externship, including tuition, testimonials, staff bios, accommodations and location, can be found at www.implanteducation.net, by calling (858) 496-0574 or by e-mail at info@implanteducation.net.

Academic director

Dr. Al-Faraje is a private practitioner as well as the founder and director of the California Implant Institute, which conducts a one-year fellowship program in implant dentistry. He is a fellow of the American Academy of Implant Dentistry and a diplomat of the International Congress of Oral Implantologists and the American Board of Oral Implantology.
LEVEL I COURSE CURRICULUM
- Each doctor will surgically place 10-15 implants
- Each doctor will assist their partner in placing 10-15 implants (Doctors divided into groups of two)
- Doctors will work on flap techniques (one-wall, two-wall, and three-wall flaps are performed multiple times each day)
- Level-I implants are placed in both edentulous and immediate extraction sockets, giving doctors exposure to both techniques
- Alveolectomy also is a Level-I procedure; at least one patient for every doctor will be in need of alveolectomy
- 2-3 hours of treatment planning each morning
- Lecture material and surgical DVDs are provided before the program to enhance the learning experience

LEVEL II COURSE CURRICULUM
Each doctor will perform 4-5 surgeries and assist their partner in performing 4-5 surgeries; thus, each doctor is exposed to 8-10 advanced implant/bone-grafting surgical procedures.

The surgeries will be selected from the following procedures:
- Sinus elevation through the lateral window
- Sinus elevation through the osteotomy site
- Maxillary alveolar ridge expansion using a split-cortical technique
- Mandibular alveolar ridge expansion using Pedicled Sandwich Flap (PSP)
- Connective tissue grafting
- Block bone grafting
- Level-II participants will continue to work on their flapping and suturing techniques and will perform multiple alveolectomy procedures.
- Lecture material and surgical DVDs are provided before the program to enhance the learning experience

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Piezomed by W&H: Minimally invasive, maximally effective

By W&H Staff

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 (OMFS) and implantology for more than a decade. Maximum precision in surgical use and gentler treatment for the patient are just some advantages to this cutting-edge technology. 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, the company asserts.

“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.

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,” he continued.

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 safer and cooler 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.

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‘An alternative to any procedure’

Dr. John Russo talks about the benefits of his Ellman radiosurgery unit

By Implant Tribune Staff

John Russo, DDS, MHS, is a periodontist in Sarasota, Fla. He graduated from the Ohio State University College of Dentistry and received a periodontics certificate from the Medical University of South Carolina as well as a master in health sciences degree.

Today he is a clinical assistant professor of periodontics at the Medical University of South Carolina, a diplomate of the International Congress of Oral Implantologists and a nationally recognized expert in dental implants and bone grafting.

One of the products Russo spends a lot of time with is his Ellman radiosurgery unit, which can be used for more than 30 different dental procedures and appeals to those ready to move beyond the scalpel as well as those looking for an alternative to lasers and electrocautery units.

Russo said he has been using his unit for more than 10 years on a daily basis. Today talked with him to get a little more insight into what he likes about it.

What do you use your Ellman radiosurgery unit for? How many procedures can it be used for?

The Ellman radiosurgery unit can be used as an alternative to any procedure performed with a scalpel. I use my unit for cautery of donor sites for gingival grafts, making incisions, harvesting donor tissue for soft-tissue grafts, excisional biopsies, gingivoplasty, removal of pigmentation, frenectomies and many other procedures.

What do you see as the benefit of Ellman’s radiofrequency technology as compared to lasers and electrocautery?

In my experience, the Ellman radiosurgery unit has significantly less collateral thermal penetration/damage than electrosurgery units. Another benefit is I do not have to “ground” my patients prior to using the technology. With my Ellman unit, I can cauterize bleeding vessels larger than 0.3 mm whereas my laser will only cauterize vessels smaller than 0.3 mm. Also with the Ellman unit, I have a choice of multiple tips that can be used in different circumstances and locations of the mouth and can also be bent for more customized access.

How are the results?

The results can be described as laserlike surgery. The result of cutting or cauterizing tissue with the Ellman unit is minimal heat production and minimal depth of tissue penetration.

Does your Ellman provide good return on investment?

When comparing the cost of my Ellman unit to my laser, the Ellman is significantly less expensive and allows me to perform more treatments, mostly due to the availability of different tips for different procedures. The Ellman has been a great return on investment.

‘In my experience, the Ellman radiosurgery unit has significantly less collateral thermal penetration/damage than electrosurgery units.’
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