Midwinter gold

Chicago Dental Society meeting sets new standard

The Chicago Dental Society’s annual Midwinter Meeting is setting a gold standard not just in dental meetings but across the trade-show spectrum. In September, it was named to the Trade Show Executive’s Gold 100 — the trade-show-industry magazine’s annual listing of the previous year’s top-100 shows. The Midwinter Meeting was the only dental trade show among the magazine’s 2016 honorees.

The CDS’s 153rd Annual Midwinter Meeting will run from Feb. 22–24 at McCormick Place West on Chicago’s near-south side. Attendees will be able to learn from some of the industry’s top education professionals, who will be presenting more than 200 courses, hands-on learning activities and live patient demonstrations. This year there also will be a special all-day track on dental assisting.

The exhibit hall will feature more than 700 exhibiting companies displaying their latest products and services. ADA members who join the Chicago Dental Society as an associate member for $125 can then register for the 2018 Midwinter Meeting at no additional charge. Even if you do not live in the Chicago area, you can still enjoy many of the same benefits as local members of the Chicago Dental Society. Especially worth noting is that the cost of CDS membership is less than the Midwinter Meeting registration fee for a non-member.

Prospective attendees can register online at www.cds.org before Feb. 16 or onsite after that date.

Midwinter Meeting mobile app

The 2018 Midwinter Meeting mobile app can be downloaded from the Apple iTunes store or Google Play store. The app is compatible with all Android and iOS smartphones and tablets. With the app, attendees will be able to:

- Navigate the 170,000 square feet of exhibit space with a 2-D map and plot routes to any of the more than 700 exhibitors.
- Access your course schedule by logging in and registering your badge number with the app after you have registered for the meeting.
- Sync your profile on the app with your LinkedIn profile.
- View PDF handouts from speakers presenting more than 200 courses on topics.

The Chicago Dental Society Midwinter Meeting features more than 140 speakers, 225 courses and 700 exhibiting companies.

See GOLD, page A2
Winning combinations, no matter how you pair them

The Resort at Longboat Key Club in Longboat Key, Fla., is the host site of the 2018 Smiles in the Sun Seminar for dental professionals. Photo/Provided by Resort at Longboat Key Club

of interest to the whole dental team, and take notes that you can email directly to yourself
• Online C.E. certification can be completed on the app.
• Access the Virtual Tradeshow Bag, which is full of special offers for attendees to take advantage of when visiting the exhibit hall.

Gift card raffle
Additional features on the meeting app will enable attendees to network with one another, stay connected via social media channels and view favorite meeting details in one central place.

Through the process of downloading the app, logging in and updating their profile, attendees will automatically be entered into a raffle to win a gift card.
Names will be drawn at noon each day of the meeting. Each day’s winners must be present on site at the show to accept a prize.

Education for entire dental team
Many courses have no additional charge, however, all listed courses require a ticket for entry. The free courses are seated on a first-come, first-served basis, and for all the courses, nobody is admitted beyond the halfway point after start. To ensure having a seat, register for the course in advance and arrive with your ticket before the start time. If you don’t get a ticket through registration, you can check at the classroom door to see if seats are available.
Among the many free courses are:
• “Uppers are from Mars, lowers from Venus: Clarifying overdentures” with Nader Sharifi.
• “Safety in numbers: Dental radiation dose in 2018” with Katy (Catherine) Warren and Cindy Saylors.
• “Digital dentistry: Applications & potential pitfalls” with Radi Masri.
• “Management of completely edentulous patient: Where are we headed with new technology” with Mathew Kattadiyil.
• “Communicate with purpose: Learning to listen” with Lisa Spradley.
• “Baby steps: The infant dental exam for general dentists” with Gregory L. Psaltis.

(Source: Smiles in the Sun)
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New hours for Lab Expo at 2018 PDC

Possible to earn up to 20 C.E. credits at the annual Pacific Dental Conference

Always a PDC highlight: Live dentistry in the exhibit hall. Photo/Provided by PDC

The 2018 Pacific Dental Conference will be at the Vancouver Convention Centre in Vancouver, British Columbia, from March 8-10. Exhibit hall days are Thursday and Friday, March 8 and 9, and the PDC Lab Expo is on Saturday, March 10.

Online registration is open now at www.pdcconf.com.

More than 300 knowledgeable exhibitors will be on hand to meet with practitioners and team members one on one. Attendees will be able to test out the latest products and take advantage of show specials offered by many companies. For the majority of attendees, C.E. credit is given for general attendance (up to five hours) and for hour-for-hour credit for individual courses. It’s possible to acquire up to 20 C.E. credits.

The PDC Lab Expo brings together dental technicians and dentists to meet a selection of top companies to exchange information and forge new business relationships. For 2018, hours have been expanded to 8 a.m. to 5 p.m., and session start times will be staggered to enable more time in the exhibits area. There will be a beer and wine reception with exhibitors from 4-5 p.m. with complimentary wine, beer and snacks. The “Showcase Stage” in the PDC Lab Expo will feature 30-minute demonstrations during peak times, during which exhibitors will showcase their latest products and technologies.

(Source: Pacific Dental Conference)

Hinman meeting will feature nearly 260 courses

The American Academy of Cosmetic Dentistry is referring to its upcoming annual meeting as “a masterpiece of comprehensive cosmetic dentistry education.”

The Aacd 2018 program, from April 18-21 at McCormick Place Lakeside Center in Chicago, will feature a selection of topics and speakers that have been specifically selected to keep attendees in pace with the industry’s latest advancements.

The educational program will comprise four main collections of focused education.

The Complex Case collection features some of the biggest names in dentistry discussing some of the profession’s most complicated cases. Lee Culp, CDT; Joseph Kan, DDS, MS; Aldo Leopardi, BDS, DDS, and Michael Sesemann, DDS, FAACD, will tackle two cases: one involving six or more restorations in the upper arch, including implants and natural teeth, and another involving six or more indirect restorations in the upper arch where all restorations are on natural teeth. Attendees will be able to engage with these specialists as they discuss the challenges of these complex cases and solutions for treatment.

The Accreditation collection features top academy educators helping attendees on their way to achieving clinical excellence and professional distinction. Under the guidance of Accreditation Chairman John Rowe, Jr., DDS, AAACD, and Featuring J. Fred Ley J. Olson, DDS, FAACD; Michael R. Sesemann, DDS, FAACD, and Corky Willhite, DDS, FAACD, attendees can work hands-on toward mastery of some of the most in-demand and profitable cosmetic case types and get started on their journey to becoming an accredited member of AACD.

The Lab Focus collection features two full days of the top dental technicians in the field presenting the latest techniques and materials. Jungo Endo, RDT; Edris Rasta, MDt; Thomas Sing, MDT; Sung Bin Im, CDT, MDC, and Aram M. Torosian, CDT, MDC, will touch on pink esthetics, biomimetic layering, matching a single central, and digital and esthetic considerations for creating predictable restorations respectively.

The Dental Team collection will educate dental team members on essential skills for assisting with cosmetic dentistry patients, including courses on leadership, communication, contemporary concepts in cosmetic dentistry and esthetic dental photography. Instructors will include Leigh Ann Fbaugh, RDH; Salvatore Lotardo, DDS, AAACD; Debra Engelhardt Nash and Adamo Notarantonio, DDS, AAACD.

Additional courses fill out the educational program. In total, attendees will be able to choose from more than 40 hands-on workshops, 70 lectures, and 80 educators.

For to register for Aacd 2018, you can visit www.aacdconference.com.

(Source: Aacd)

Top educators at Aacd scientific session to focus on four core areas

The American Academy of Cosmetic Dentistry is referring to its upcoming annual meeting as “a masterpiece of comprehensive cosmetic dentistry education.”

The 106th annual Thomas P. Hinman Dental Meeting will be March 22-24 at the Georgia World Congress Center in Atlanta. Dr. Patrick Yancey III, general chairman for Hinman 2018, said, “We are excited about this year’s program and theme, which is ‘Experience Hinman: Invest in Your Future.’ It emphasizes the importance of continuing dental education for everyone, from millennials just starting out to seasoned professionals looking to revitalize their practices. We’ve created a quality continuing education program delivered by many new speakers as well as some of the profession’s favorites.”

Forensic pathologist Dr. Bennet Omalu will be the keynote speaker. His story is chronicled in the film “Concussion” (starring Will Smith). For details, visit www.hinman.org or contact Sylvia Ratchford, executive director, at (404) 231-1863.

Forensic pathologist Dr. Bennet Omalu will be the keynote speaker. His story is chronicled in the film “Concussion” (starring Will Smith). For details, visit www.hinman.org or contact Sylvia Ratchford, executive director, at (404) 231-1863.

Hinman will feature nearly 260 courses, including 73 participation and interactive courses covering topics that dental professionals can apply immediately. The meeting will feature more than 65 speakers — 20 new to Hinman — who will present the latest developments in the profession.

But it’s not just the speakers that will be important. “This is given for general attendance (up to five hours) and for hour-for-hour credit for individual courses. It’s possible to acquire up to 20 C.E. credits.”

The PDC Lab Expo brings together dental technicians and dentists to meet a selection of top companies to exchange information and forge new business relationships. For 2018, hours have been expanded to 8 a.m. to 5 p.m., and session start times will be staggered to enable more time in the exhibits area. There will be a beer and wine reception with exhibitors from 4-5 p.m. with complimentary wine, beer and snacks. The “Showcase Stage” in the PDC Lab Expo will feature 30-minute demonstrations during peak times, during which exhibitors will showcase their latest products and technologies.

Always a PDC highlight: Live dentistry in the exhibit hall. Photo/Provided by PDC

(Source: Hinman Dental Society)
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Looking at things in a whole new light

High-def, uniform light, maximum intensity

By Designs for Vision Staff

Designs for Vision is introducing an advanced photonic design that provides uniform light distribution with maximum intensity. The patented headlights optically focus the light from the LED to provide 45 percent more light with uniform distribution.

The new LED DayLite® Micro HD™ uses the new high-definition imaging in an ultra-lightweight headlight in combination with the new Micro power pack. According to the company, the Micro is the market’s lightest and smallest power pack. The complete unit includes two power packs, and each power pack can run up to 10 hours.

Designs for Vision also has added high-definition imaging to the LED DayLite WireLess MIni HDi, providing a lightweight cordless solution with light intensity comparable to many corded headlights. You can choose high-definition imaging with either a wired or wireless design to meet your preference, and either HDi headlight will illuminate the entire oral cavity.

Designs for Vision’s WireLess headlights free you from being tethered to a battery pack. The simple modular design un couples the headlights from a specific frame or single pair of loupes. Prior technology married a cordless light to one pair of loupes via a cumbersome integration of the batteries and electronics into the frame. The compact design of the LED DayLite WireLess headlights are independent of any frame/loupes.

Designs for Vision is also featuring the “REALITY five-star-rated” Micro 3.5EF Scopes, which use an innovative optical design that reduces the size of the prismatic telescope by 50 percent and reduces the weight by 40 percent — while providing an expanded-field, full-oral-cavity view at 3.5x magnification.

Building on an established award-winning design, the newest addition to the Micro Series line is the Micro 4.5EF Scopes, which reduce both the size and weight of the telescopes by 44 percent.

New location

Designs for Vision has expanded into a new 67,500-square-foot location at 4000 Veterans Memorial Highway in Bohemia, N.Y. You can visit www.DesignsForVision.com/move.htm to check out some photos of the new facility.

You can see the Visible Difference® yourself at the Chicago Midwinter Dental Meeting by visiting Designs for Vision’s booths, Nos. 2602 or 4421. Or you can arrange a visit in your office by contacting the company at (800) 345-4009 or via info@dvimail.com.

High-definition headlights optically focus the light from the LED to provide 45 percent more light with uniform distribution. Photo/Provided by Designs for Vision

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Let’s change dentistry together
Open and say ahhhhhh

New MICRO-TOUCH DENTA-GLOVE series designed for dentistry

By Ansell Staff

Ansell, a global leader in protection solutions and maker of the popular Microflex® and MICRO-TOUCH® examination gloves has launched its MICRO-TOUCH® DENTA-GLOVE® series, a highly-diversified portfolio of dental examination gloves, which according to the company outperform the competition.

MICRO-TOUCH DENTA-GLOVE is the first series of examination gloves developed specifically for the needs of dental professionals, according to Ansell.

Certified for use in oral examinations

All products in the series are certified for use in oral examinations for patient safety and peace of mind and are designed with the most advanced film technologies to meet the unique and demanding needs of the dental profession, the company asserts.

The products are tested for bio-compatibility, and some feature inner coatings to promote hand health.

For more details about MICRO-TOUCH DENTA-GLOVE examination gloves or to request a free sample, you can visit www.ansell.com/DentaGlove.

(Source: Ansell/Microflex)

Compact, 5-axis milling machine designed specifically for IPS e.max

Ivoclar Vivadent launches self-contained PrograMill One

By Ivoclar Vivadent Staff

Ivoclar Vivadent has released the PrograMill One milling machine, the compact, 5-axis milling machine designed to mill beautiful, esthetic IPS e.max® restorations.

According to the company, the design enables high precision and convenience, in part because it’s a self-contained milling system. This distinguishes it from mills that require separate filtration or suction units.

PrograMill One is wireless, which enables it to be positioned anywhere within the practice. It can be controlled using the mill’s corresponding app on a tablet or smartphone. An LED light ring visually informs the user about the current processing status.

The company reports that an innovative rotary grinding process, referred to as 5XT, produces shorter duration of the milling process and minimal tool wear. A camera integrated within the mill automatically records all data on material and tool use. The results, according to the company, mean that material management is more expedient.

“5XT technology completely re-writes what milling machines are capable of in relation to machining times and superior outcomes,” said Robert Ganley, CEO of Ivoclar Vivadent. “The results are restorations with exceptional surface quality and excellent accuracy of fit. PrograMill One is an innovative addition to our line of Ivoclar digital products, representing a significant leap in the future of dental technology.”

PrograMill One’s seamless integration between wireless app and machinery — combined with the auto connection capabilities with intraoral-scanning partners such as 3Shape Trios — make it an unequaled asset for dental professionals seeking simpler milling methods and increased efficiency, the company asserts.

About Ivoclar Vivadent

Ivoclar Vivadent is a global leader in materials and processes for esthetic dentistry. The company employs more than 3,500 people and operates in more than 120 countries. Ivoclar Vivadent is headquartered in Schaan, Liechtenstein. Its North American headquarters is based in Amherst, NY.

(Source: Ivoclar Vivadent)
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SEE THE NEW Micro4.5EF and the award winning lightest weight expanded field Micro3.5EF Scopes
SAVE $200 when you order both Loupes and LED DayLite®
Barrier protection critical with dental gloves

*Inferior capability could expose patient/user to harmful infections*

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 studies.

**Quality, safety top priorities**

Other synthetic gloves, such as nitrile and polyisoprene, perform much better than vinyl but are more costly, especially polyisoprene gloves. Using gloves with inferior capability could expose both the patient and user to harmful infections.

Malaysia is the world’s largest medical gloves exporter (latex and nitrile). Both quality and users’ safety are of top priority to the nation’s glove industry. To this end, a quality certification program (the Standard Malaysian Glove, or the SMG) has currently been formulated for latex examination gloves.

All SMG-certified gloves must comply with stringent technical specifications to ensure the gloves are high in barrier effectiveness, low in protein and low in allergy risks, in addition to having excellent comfort, fit and durability — qualities that manufacturers of many synthetic gloves are trying to achieve.

**Natural, sustainable resource**

Latex gloves are green products, derived from a natural and sustainable resource, and are environmentally friendly. (You can learn more online by visiting www.smgonline.biz or www.latexgloves.info)

The use of low-protein, powder-free gloves has been demonstrated by many independent hospital studies to markedly reduce the incidence of latex sensitization and allergic reactions in workplaces.

More important, 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 individuals, it is still important they use appropriate non-latex gloves, such as quality nitrile and polyisoprene gloves, which provide them with effective barrier protection.

**Extensive array of brand, prices**

Selecting the right gloves should be an educated consideration to enhance safety for both patients and users. For decades, gloves made in Malaysia have been synonymous with quality and excellence, and they are widely available in an extensive array of brands, features and prices.

They can be sourced either factory direct (www.mrepc.com/marketplace) or from established dental products distributors in the United States and Canada.

(Source: Malaysian Rubber Export Promotion Council)
Work with confidence

Malaysia:
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Protection and Performance You Can Feel

Malaysia is the largest source for U.S. imports of natural and synthetic rubber gloves as reported in tariff and trade data by the U.S. Department of Commerce and the U.S. International Trade Commission

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INDUSTRY NEWS

Orascopekt wins three Cellerant best-of-class technology awards

By Orascoptic Staff

In 2017, Orascoptic made history by becoming the first company to win three Cellerant Best of Class Technology awards.

The Spark™ cordless headlight, Ease-In Shields™ and the new OmniOptic™ interchangeable loupe system all stood out in ways that set the products apart from others in the industry.

With a legacy of setting the standard for quality craftsmanship and introducing transformative products to the medical vision industry, Orascoptic is proud to be recognized for its advanced product performance and clinician-first features.

The company’s goal for the three products is that they will help bring the world closer to the day when every health-care procedure will be performed with superior visualization and under ideal ergonomic conditions to drive the best patient outcomes. Orascoptic asserts that it believes fully in this vision.

Orascoptic will be displaying the three award-winning products — as well as the rest of its extensive line of loupes and headlights — at major dental shows to enable attendees to see and test the equipment for themselves.

At the Chicago Dental Society Midwinter Dental Meeting, Orascoptic will be located in booth No. 1203. Attendees can stop by the booth or visit www.Orascoptic.com to learn more about the company’s products, which focus on magnification, illumination and ergonomics.

‘Uni-Verse-All’ positioner holds any size sensor

Digital X-rays are changing how you manage patient diagnostics. But while digital is faster and easier to use, it poses some unique challenges too. Sensor positioning is one such challenge. Unlike film, sensors are rigid and thick. And unlike film, there is no standard size to a “size-2” sensor. All this makes finding a quick and easy way to position your sensor somewhat more difficult than when you were using film.

With Flow Dental’s new Uni-Verse-All positioner, you could take every imaginable X-ray while using only one positioner and one aiming ring. Sounds impossible, yet Flow’s Uni-Verse-All sensor positioner does just that. It will hold just about any size sensor. The Uni-Verse-All sensor holder lets you reposition the sensor along the bite plane so you can go from a periapical to a bite wing in seconds, and without changing parts.

The Uni-Verse-All is easy to use and set up is fast, according to the company. You choose from two sizes of sensor holders (both included in Flow’s starter kit). You then snap the sensor holder into the Uni-Verse-All positioner and slide on the aiming ring. Just like that you’re ready. Move the holder down for anteriors or periapicals, up for bite wings. Lightweight for added patient comfort, Uni-Verse-Alls are reusable and autoclavable. A starter kit with everything you need retails for less than $57.

For more information, or to order, you can contact your local dealer or visit www.FlowDental.com.

(Source: Flow Dental)
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\(^1\) Images courtesy Brian T. Wells, DMD.

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V-Posil Mono-Fast extends line of V-Posil precision VPS impression materials

By VOCO Staff

After the successful introduction of V-Posil tray and wash impression materials, VOCO is expanding its V-Posil line with a monophase viscosity in V-Posil Mono-Fast.

V-Posil Mono-Fast, as with the rest of the V-Posil viscosities, offers optimized timing that provides up to two-minutes of adjustable working time as well as an abbreviated two-minute thermo-activated set time. According to VOCO, V-Posil provides exceptional tear strength and elastic recovery (99.6 percent) to ensure dimensional accuracy of the impression after its removal.

Post-set hydrophilicity ensures more accurate stone models

Lab technicians will appreciate V-Posil’s unique post-set contact angle of less than six degrees (<6°), providing a post-set hydrophilicity that ensures more accurate stone models for better fitting restorations, VOCO asserts.

Indicated for wide variety of procedures, situations

This VPS material is indicated for taking impressions over fixed/removable restorations and implants (i.e., transferring impression posts and bridge components), functional impressions, fabricating crown and bridgework or inlays, fabricating full or partial dentures, relining impressions, transferring root posts when fabricating posts and cores indirectly, multi-tray, simultaneous as well as the putty-wash technique.

The material is available in 50 ml cartridge refills and in the 380 ml automix “Dynamic Dispenser” cartridge.

Contact VOCO

To learn more about V-Posil Mono-Fast and other VOCO products, you can contact VOCO at www.vocoamerica.com, (888) 658-2584 or infousa@voco.com.
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Get your FREE SAMPLE at Ansell.com/DentaGlove

Visit us at the Chicago Midwinter show at Booth #4808 to get FREE SAMPLES of all of our Ergonomic products.

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A look back at the ADHA meeting

Observations from the ‘City of Bridges’

By Patricia Walsh, RDH
Editor in Chief, Hygiene Tribune

O
t once upon a time, in the land of bridges and crowns, a purple-cloaked prophy queen reigned over her happy subjects. So beloved was she that her ladies in waiting tucked her into bed each night at the Hyatt Regency.

Now it had to be the Regency, didn’t it? A plain old ordinary Hyatt would not befit Vera prophy angle, adorned with a tiara and holding court in the Young Dental booth, to this “City of Bridges,” the conference brought together dental hygienists from throughout the country to the Prime Osborn Convention Center, June 14–17, to “learn, engage and advance.”

Change is in the air

Many of the lectures I attended were peppered with comments that reflected the hope that someday every state would allow a form of advanced dental hygiene to be practiced. The discussions about hygienists as mid-level providers strengthened my backbone. With the advancement of real-time teledentistry, the “supervised-exam” argument falls by the wayside. And now that our existing mid-level providers have been practicing for a decade, proponents can point to treatment statistics to document the exact number of patients served with no “hospitalizations and/or deaths.” It’s no longer a fairy tale. The value of mid-level providers can be quantified with facts and figures.

Jennifer Berge, ADT, RDH, described to attendees exactly what it is like to serve patients within this increased scope of practice. At Healthfinders Collaborative in Northfield and Faribault, Minn. (healthfindersmn.org), she is empowered to perform certain restorative procedures. Her experience confirms that oral health-care services will expand and modernize not

> See ADHA, page A18

Blasting dental plaque with microbubbles

Whether through an accident or a disease, teeth loss can cause many inconveniences. Dental implants such as crowns, however, have allowed people to overcome most of these and live a better quality of life.

But just like normal teeth, these dental implants require proper care and oral hygiene to prevent further complications, such as the inflammation of the tissues surrounding the implants. While the buildup of dental plaque sticks mainly to the crown, it also adheres to the exposed parts of the screw that holds the dental fixture in place, and these are much harder to clean because they contain microgrooves that make them fit better into the upper or lower jaw bones.

Hitoshi Soyama from Tohoku University and his team from Showa University in Japan conducted a study to look for better ways for dentists to remove this plaque and prevent complications. The team wanted to study the efficiency of a cavitating jet, where high-speed fluid is injected by a nozzle through water to create very tiny bubbles of vapor. When these bubbles collapse, they produce strong shock waves that are able to remove contaminants.

The team compared the cleaning effect of a cavitating jet to that of a water jet, which has been used for a long time to remove plaque from dental implants to keep them clean. They grew a biofilm over three days within the mouths of four volunteers, then proceeded to clean that with the two different methods, measuring the amount of plaque remaining at several time intervals.

While there was little difference between the amounts of dental plaque removed by both methods after one minute of cleaning, that changed after longer exposure. After three minutes, the cavitating jet had removed about a third more plaque than the water jet did, leaving little plaque stuck to the implant at the end of the experiment.

The cavitating jet was also able to remove the plaque not only from the root section of the screws, but also from the harder-to-reach crest section, though to a lesser extent.

“Conventional methods cannot clean plaques on the surface of dental implants very well, so this new method could give dentists a new tool to better manage these fixtures, which are becoming more common,” says Soyama.

Previous research has shown that water flow exerts shear stress to remove the biofilm. In addition to this shear effect, the cavitating jet also produces a considerable force when the bubbles collapse that is able to remove particles from the biofilm and carry them away. The researchers suggest that the two processes probably work in synergy to make the cavitating jet superior to the water jet when cleaning the plaque off the irregular surface of dental implants.


(Source: Tohoku University)
THE SCIENCE OF VISUALIZATION

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**Dedicated practitioners**

Following are a few more observations from Jacksonville about our evolving profession and its dedicated practitioners.

- As science advances, so will dental hygiene career opportunities. Personalized, preventive care is becoming more precise. At the forefront are scientists such as David Wong, DMD, DMSc, associate dean for research at the UCLA School of Dentistry, who believes saliva is the body’s mirror. His team at UCLA is at the forefront of using saliva as a diagnostic medium for early identification of a wide variety of health issues. (Scientificamerican.com/products/the-future-of-oral-health/).

- Health-care providers know that creative approaches are often needed to achieve patient compliance. Scientific facts might resonate with an engineer, but an artistic personality might gravitate more toward natural products. Hygienists need adaptability and constant education to know which trends are delivering legitimate results and which are quackery. Two notable alternative products that fall on the legitimate side are the PerioPatch from Izun Pharmaceuticals, designed to relieve symptoms of inflammation, and a mouthwash from The Natural Dentist, formulated with no alcohol and no artificial colors, flavors or preservatives.

- How many times have you said the following to a patient? “It’s a dental office, we have to make our own fun.” Hygienists may not have a fine arts degree, but many of us possess a great deal of creativity. Who hasn’t used a posterior curette on an anterior tooth with 4 mm of lingual root exposure?

- I love the fact that there is always a line at the booth giving away penguin prophy angles. Or is it a puffin?

- A stone’s throw from the penguin/puffin, someone was having a discussion about the arginine in Colgate Sensitive Pro-Relief Desensitizing Paste — and where the amino acid also is found in our diet (pistachios, peanuts, turkey, to name a few foods). Our knowledge base and ability to cross-reference not only help us live better lives they also make dental appointments a more enjoyable experience for everyone.

- On the exhibit-hall floor, a few hygienists were joyously contemplating how to blast subgingival biofilm with HiFriedy glycine. “Have you ever felt glycine? It’s super soft,” one hygienist said to another. The two oohed and aahed as they rubbed it between their fingertips.

- While my Planmeca-sponsored course focused on taking a digital impression of a crown prep, the hygienist next to me nodded in immediate approval from an alternative perspective, pronouncing, “Night guards. We do a lot of night guards. Yep, this is the way to go.”

- The CAD/CAM manufacturers are starting to take notice of who will be taking digital impressions in the future. The wands are being offered in sizes to better fit the range of hand sizes among hygienists and assistants.

- If you’re a lousy photographer with decent photo-editing abilities, you might soon find yourself becoming the top crown designer in your office. In states where the dental-auxiliary job market is highly competitive, learning CAD/CAM software could give you an edge.

- It doesn’t take too long to see which corporations recognize and value hygienists as key opinion leaders. It’s not so much in the trinkets they give away, it’s in the attitude of their sales reps and the content of their lectures.

- Laurie Hernandez, one of the meeting’s keynote speakers, greeted attendees with, “Hello smile makers and confidence boosters!” She is a volcano of positivity. Anyone who didn’t leave her talk inspired must not have a pulse. At 15, she overcame broken bones to go on to become a U.S. Olympic gymnastics gold and silver medalist. The audience also was treated to great stories about her becoming a contestant on “Dancing with the Stars.”

Hernandez readily acknowledged that she talks to herself before a routine. During the Olympics, the media caught her saying her affirmation — “I got this” — and it’s become her catch phrase. Have you ever noticed when a gymnast lands at the end of a routine, it’s with that frozen, ballet-like backward hand pose? I was so fired up after hearing her stories, I imagined myself finishing a patient and then taking that flipped wrist pose in the hall. I’ve been known to clench my teeth and mutter under my face mask from time to time — usually at 4 p.m., when I’m tired. But I can’t remember ever saying, in an affirmative way, “I got this!”

I plan to change that.

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**‘Medicare Dental Toolkit’ offered by Oral Health America**

Oral Health America has released a new Medicare Dental Toolkit to assist those advocating for the addition of a dental benefit to Medicare. The toolkit includes resources to support communication and partnerships among allied organizations and policy makers to forge a path toward achieving dental coverage in Medicare.

Initial tools include an infographic, a social media guide with shareables as well as a position paper and supplemental research reports. The intent is to make this a living toolkit and to continue adding collateral monthly.

The toolkit can be accessed online at oralhealthamerica.org/medicare/toolkit.

“This organic toolkit will be a valuable asset for our partners and other organizations that are championing a dental benefit in Medicare,” said OHA President and CEO Beth Truett. “With almost 55 million older adults receiving their health care services through Medicare — and that number growing each day — now is the time to elevate the conversation around the creation of a publicly funded dental benefit.”

The toolkit made its debut at OHA’s Medicare Symposium, Part 3: Access for Older Adults — Advocating for Oral Health in Medicare, where a variety of voices from fields of oral health, aging, Medicare and health policy came together around a shared commitment to the oral and overall health of older adults.

(Source: Oral Health America)
DENTAL PROSTHETICS ALTERNATIVE TO METAL

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All of this is waiting for you as part of your annual meeting experience with the Academy of Osseointegration’s (AO) hands-on workshops to be held in Los Angeles on Feb. 28.

AO offers myriad hands-on workshops to fit the multi-disciplinary nature of its annual meeting and the background of its attendees.

Please note, once you find the hands-on workshops that best fit your educational goals and professional background, you will not want to hesitate to register, as these limited-attendance and very popular sessions tend to fill up quickly.

The list of 2018 workshop topics and presenters will include:

HOW-1
Please note this full-day hands-on workshop session will be conducted at Nobel Biocare headquarters in Yorba Linda, Calif. Transportation to and from the AO meeting hotels and the Nobel Biocare facility, as well as refreshment breaks and lunch, will be provided.

- “The All-on-4 Treatment Concept for the Resorbed Maxilla-Highlight on Implant Design Evolution,” 9 a.m.-noon, Paulo Malo, DMD
- “Improving Clinical Outcomes with Digital Advances for Shorter Time to Teeth,” 1:45 p.m., Peter Wohrle, DMD, MMSc (Supported by a grant from Nobel Biocare)

The remainder of the hands-on workshops will be conducted in half-day sessions and located in the West Building of the Los Angeles Convention Center.

HOW-2
- “Edentulous Treatment Strategies: One Size Fits None,” 9 a.m.-noon, Bryan Limmer, DMD, MS (Supported by a grant from Dentsply Sirona)

HOW-3
- “Management of Anterior Alveolar Defects: The Challenging Cases in the Esthetic Zone,” 9 a.m.-noon, Isabella Rocchietta, DDS (Supported by a grant from Geistlich)

HOW-4
- “Screw-Retained, Site Specific Immediate Implants for Mid-Facial Tissue Preservation,” 9 a.m.-noon, Harold Baumgarten, DMD, and Stephen Chu, DMD, MSD, CDIT (Supported by a grant from Southern Implants)

HOW-5
- “Digital Workflow. Options

See HANDS-ON, page B2

AAOMS honors clinicians for efforts in implant education

Six clinicians were recently recognized for their work to develop years of high-quality dental implant educational sessions for the American Association of Oral and Maxillofacial Surgeons (AAOMS).

The association’s board of trustees presented a special citation award to the AAOMS subcommittee on dental implant education during the 25th annual Dental Implant Conference, held in Chicago during December.

The subcommittee planned 2017 session topics ranging from replacing congenital missing teeth to applying digital technology in practices. The conference featured a renowned faculty of more than 30 experts presenting to more than 1,000 OMSs, staff and restorative dentists in didactic sessions and workshops.

The subcommittee also plans dental implant sessions for the AAOMS Annual Meeting, Scientific Sessions and Exhibition — one of the largest and most comprehensive educational conferences in the world developed exclusively for oral and maxillofacial surgeons and staff.

The subcommittee members include:
- Michael S. Block, DMD, of Metairie, La.
- Bach T. Le, DDS, MD, of Whittier, Calif.
- Jay P. Malmquist, DMD, of Portland, Ore.
- Richard J. Martin, DDS, of Dallas
- Craig M. Misch, DDS, MDS, of Sarasota, Fla.
- Peter K. Moy, DMD, of Los Angeles

“AAOMS is honored to have such a dedicated group leading our dental implant education,” said AAOMS Immediate Past President Douglas W. Fain, DDS, MD, FACS. “Their diligent work sets standards of excellence in education and training for OMSs and their restorative teams.”

(Source: AAOMS)
for Precise Diagnostics, Planning and Surgery,” 9 a.m.-noon, Adam Hamilton, BDSc, DCD, FRACDS, Charlie Vincent and Ron Roche (Supported by a grant from Straumann)

HOW-6
  • “Same-Day Guided Immediate Placement and Provisionalization Using an Improved Digital Workflow,” 9 a.m.-noon, Brent Boyse, DDS (Supported by a grant from Zimmer Biomet)

HOW-7
  • “Dynamic Navigation, Optimizing Surgical Accuracy on the Spot: A Hands On Workshop,” 9 a.m.-noon, George Mandelaris, DDS, MS, FACP, FICD (Supported by a grant from Navigident)

HOW-8
  • “Edentulous Treatment Strategies: One Size Fits None” (Repeated), 1-4 p.m., Bryan Limmer, DMD, MS (Supported by a grant from Dentsply Sirona)

HOW-9
  • “Management of Anterior Alveolar Defects: The Challenging Cases in the Esthetic Zone” (Repeated), 1-4 p.m., Isabella Rocchietta, DDS (Supported by a grant from Geistlich Biomaterials)

HOW-10
  • “Immediate, Fixed Full Arch Rehabilitation with Subcrestal Angle Correction Without the Need for Cement or Screws,” 1-4 p.m., Robert del Castillo, DMD, and Gary Morris, DDS (Supported by a grant from Southern Implants)

HOW-11
  • “Digital Workflow: Options for Precise Diagnostics, Planning and Surgery” (Repeated), 1-4 p.m., Adam Hamilton, BDSc, DCD, FRACDS, Charlie Vincent and Ron Roche (Supported by a grant from Straumann)

HOW-12
  • “‘Same-day Guided Immediate Placement and Provisionalization Using an Improved Digital Workflow’ (Repeated), 1-4 p.m., Brent Boyse, DDS (Supported by a grant from Zimmer Biomet)

HOW-13
  • “Dynamic Navigation, Optimizing Surgical Accuracy on the Spot: A Hands On Workshop” (Repeated), 1-4 p.m., George Mandelaris, DDS, MS (Supported by a grant from Navigident)

Plan your annual meeting schedule today to include hands-on workshops as part of your registration for AO’s 2018 Annual Meeting. Advance registration discounts end Feb. 5, these will save you $50. At the same time, be sure to also make your hotel reservations to receive AO’s special convention hotel rates and best availability.

Please note the AO hands-on workshops are available for an additional registration cost. Workshops will be held in the West Building of the Los Angeles Convention Center, with the exception of the workshop facilitated by Nobel Biocare. Please see the meeting website for all the details at http://meetings.osseo.org/2018/schedule/hands-on-workshops/.

You’ll leave the AO’s Hands-on Workshops with new skills and techniques.
A retrospective, single-center clinical evaluation using PEEK frameworks for full-arch implant-supported prosthetics

Commentary author: Marcus Jarman-Smith, PhD, Invibio Biomaterial Solutions
Original presenter: Dr. Bernd Siewert, Clinica Somosaguas, Madrid, Spain
Keynote speech: B. Siewert (2017), PEEK in Dental Prosthetics (PEEK in der zahnärztlichen Prothetik Warum? Wann? Wie?), SSO Dental Meeting, Lugano, Switzerland, Feb 11, 2017
Level of evidence: Level 3 Retrospective Cohort Study

Summary
There is increased interest in the long-term clinical outcomes and quality of life of patients treated with a high-performance polymer for the framework material for full-arch implant-supported dental prosthetics, rather than the traditionally used metal or ceramic materials.

Dr. Siewert reported on his retrospective, single-center clinical study using JUVORA frameworks for full-arch implant-supported prosthetics, made from Invibio’s PEEK-based polymer. Siewert conducted clinical and radiological assessments to measure the survival rates of the dental implants and prosthetics, rate of bone loss and the incidence of any biological complications. In addition, scores were collated to measure the oral health and patient quality of life and the satisfaction of patients fitted with a PEEK-based prosthesis.

The retrospective data review investigated 21 patients, which corresponded to a total of 96 dental implant fixtures. Patients were treated with full-arch implant-supported prosthetics manufactured with an internal substructure made from Invibio’s PEEK-based polymer.

The average follow-up post-prosthetic placement was 56 months (four years, eight months), ranging from the shortest time of one year and two months to the longest time of eight years and nine months.

Key findings
Dental implant fixture survival rate was reported as high as 99 percent, and PEEK-based prosthetic survival rate was 100 percent versus 89-95 percent3,4 for titanium5 respectively.

An average bone loss of 0.2 mm (+ 1.0) on the mesial aspect and 0.3 mm (+ 0.8) on the distal aspect was observed versus 1-1.5 mm6,7 for titanium. Patient peri-implantitis incidence was low at 1 percent versus 10 percent1,8 for titanium. The mean total oral health and patient quality of life score was 3.1 points (+ 3.3), with patient satisfaction deemed “extremely satisfactory.”

For titanium, the score averaged at 15.9 overall. When compared with the literature values of titanium, JUVORA frameworks for full-arch implant-supported dental prosthetics showed:
• Up to 10 percent better implant survival rate
• Up to five times less bone loss
• Up to 10 times less incidence of peri-implantitis
• Up to 8 percent better prosthetic survival rate
• Nearly three times better mean total score for oral health and patient quality of life

Commentary
These results from a retrospective, single-center study are limited, but do provide some initial clinical insight into the long-term outcomes and potential benefits of using a more shock absorbing high-performance polymer substructure for full-arch implant borne prosthetics.

References available upon request from the publisher.

About Dr. Siewert
Dr. Bernd Siewert has been in private practice for more than 20 years. Since 2007, he’s been an instructor at Germany’s International Training Center for Dental Implantology (ITDi) and authored and spoken internationally about his specialty, implantology.11

About the author
Dr. Marcus Jarman-Smith, PhD, is a strategic marketing manager with Invibio Biomaterial Solutions. He has worked specifically on medical applications for the high-performance polymer PEEK (polyetheretherketone) for dental applications for more than a decade. In 2001, he received a PhD in chemical engineering, tissue engineering and biomaterials from the University of Bath, in the United Kingdom.
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