‘This is about humanity and our role as health-care providers’

In an interview, Dr. Anne Koch previews her lectures at AAE17 and offers some first-person insights

By Fred Michmershuizen, Endo Tribune Managing Editor

Dr. Anne Koch, who is presenting two lectures at AAE17, received her DMD and certificate in endodontics from the University of Pennsylvania. She is founder and past director of the Postdoctoral Program in Endodontics at the Harvard School of Dental Medicine, and she maintains a faculty position at the University of Pennsylvania School of Dental Medicine (endodontics) and is a senior fellow with Penn Medicine. She serves as a member of the Board of Overseers for the University of Pennsylvania and is also the founder, co-developer and past president and CEO of Real World Endo.

Throughout her career spanning more than 40 years, she treated more than 30,000 patients and delivered more than 1,000 lectures worldwide — all before undergoing gender confirmation surgery at the age of 63.

In an interview, Dr. Koch offers a pre-
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The cover of Dr. Anne Koch’s book, ‘It Never Goes Away: Gender Transition at a Mature Age.’

Here in New Orleans

Dr. Anne L. Koch will present “The Single-Cone Bioceramic Sealer Obturation Technique: A Historical Perspective” on Saturday from 8:30 to 9:15 a.m. in Room 349, and “Treatment of the Transgender Dental Patient” on Saturday from noon to 12:45 p.m. in Room 349.

I recently completed a book for Rutgers Press, “It Never Goes Away. Gender Transition at a Mature Age.” When I transitioned, I had the unique opportunity to view the process through two different prisms. One was that of a patient, and the other was through the eyes of an experienced health-care provider. What I witnessed was at times both exhilarating and concerning.

Tell us what you think!

Do you have general comments or criticism you would like to share? Is there a particular topic you would like to see articles about in Endo Tribune? Let us know by e-mailing feedback@dental-tribune.com. We look forward to hearing from you!

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ment and other business resources to support endodontic practices.

On the educational side, AAE17 is offering more than 100 sessions in a variety of tracks, including “Pulp Fiction,” which will address controversial and misunderstood topics in the specialty. “Saving the Natural Tooth,” will share the latest evidence and recommended treatments to save patients’ teeth, and “Surgical and Nonsurgical Endodontics.”

The highlight of the “Surgical Endodontics” track is “Endodontic Microsurgery: 3-D Live Demonstration,” taking place from 10:30 a.m. to noon today, and again from 1 to 2:30 p.m., both times in Exhibit Hall D. During the presentation, two live endodontic microsurgeries—one mandibular molar, one maxillary molar or premolar—will be transmitted from the exhibition floor in 3-D technique.

Observers in the auditorium will view the procedures in real time exactly as the surgeon does through the microscope. The three-dimensional screening mode will enhance the illusion of depth perception.

AAE17 General Session

This year, the AAE17 General Session, which takes place today from 3:30 to 5 p.m. in the La Nouvelle Orleans, will feature keynote speakers James Carville and Mary Matalin. These New Orleans residents and one of America’s best-loved political couples will provide an enlightening look at today’s most important political issues.

All registered attendees and their registered guests are welcome to attend. No ticket is required.

Special events

Of course, the special events don’t stop there. Thursday morning features the President’s Breakfast from 8:30 to 10 a.m. in the La Nouvelle Orleans room. Plan to be a part of this breakfast event featuring AAE President Dr. Linda G. Levin. It’s open to all registered attendees.

Later that day, starting at 4 p.m., the Louis I. Grossman Ceremony will be held in the St. Charles Ballroom at the Hilton Riverside. This ceremony will recognize the newest diplomates of the American Board of Endodontics.

On Friday morning, from 8:30 to 9:45 a.m., the General Assembly will take place in the La Nouvelle Orleans. During the General Assembly, the AAE’s annual business meeting, you can hear reports from AAE leaders, vote on important changes to the constitution and bylaws, and see the installation of new officers and board members. The winners of the AAE/DENTSPLY Resident Awards will be announced at this event as well.

All AAE members are encouraged to attend the event. The event is sponsored by Dentsply Sirona Endodontics.

On Friday night from 8 to 11:30, you can Celebrate New Orleans at the Grand Salon at the Hilton Riverside. Join in behind a brass band for a parade through the streets of New Orleans. The parade will end at Generations Hall, where there will be a variety of entertainment, including Rebirth Brass Band and Savoy.

Attendees and their registered guests are welcome to attend, though everyone must have a badge for admittance. The evening is sponsored by Dentsply Sirona Endodontics.

Finally, join the Edgar D. Coolidge Jazz Brunch from 10:15 to 11:45 a.m. Saturday in the La Nouvelle Orleans. Here, you can be part of the ceremonies to acknowledge the winners of the most prestigious AAE honors and awards.

The event is open to all registered attendees, and tickets can be purchased for guests at an additional cost.

(Source: AAE)

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Improving lives by saving teeth

Foundation for Endodontics supports charitable care in Jamaica

More than 100 teeth have been saved with root canal treatment, thanks to volunteer endodontists and endodontic residents who have provided free treatment to patients in need in Treasure Beach, Jamaica. Three trips conducted during the past year are part of the Outreach Program of the Foundation for Endodontics.

The program is a new initiative to provide patients with the highest standard of care and access to treatment to save teeth that might otherwise be extracted.

“A lost tooth has serious emotional, social and physical consequences,” said Foundation for Endodontics President Dr. Peter A. Morgan. “The opportunity to preserve a tooth with root canal treatment often isn’t an option for patients who have limited access to care. Our teams are honored to be there to relieve pain, save teeth, save smiles and improve lives.”

Foundation volunteers Dr. Fiza Singh of Boston, Dr. Juheon Seung, a resident at the University of Maryland, and Dr. Eduardo A. Cruz, a resident at Harvard School of Dental Medicine, recently returned from their charitable care trip to Jamaica. The volunteers are working in Treasure Beach’s Helping Hand Clinic, a church that has been converted into a dental clinic.

The teams of endodontists work under the guidance of Dr. William Griffin and Dr. James Carnney, who have a longstanding association with the facility. In addition to providing treatment, the volunteers are educating patients about the benefits of saving their teeth and working side-by-side with general dentists and predoctoral students from the United States, thereby enhancing their understanding of the endodontic specialty.

“It is very emotional. I am thrilled with what we are doing,” said volunteer Dr. Daniella S. Peinado, an endodontist in Jacksonville, Fla., and a Foundation for Endodontics trustee. “The excitement and commitment of this team is something really amazing, and the patients are so grateful that we’re able to save their teeth.”

Seiler Microscope and Manufacturing Co., Brasseler USA and Patterson Dental Supply contributed instruments to enable the foundation’s teams to provide quality care.

The foundation budgeted for four international outreach trips in 2017. These funds will cover the cost for two residents and one endodontic mentor to travel to and stay in Jamaica as well as a license to practice in the country, med-vac insurance and other precautionary measures.

The foundation hopes to grow this initiative and provide a wider array of opportunities and international destinations.

About the Foundation for Endodontics

The mission of the Foundation for Endodontics is to support endodontics by providing resources and funding for research, education, public awareness and access to care. The Foundation for Endodontics supports saving natural teeth for all through the efforts of endodontic specialists. More information about the Foundation for Endodontics is available online at www.aae.org/foundation.

(Source: AAE)
Xerostomia led to rampant cervical decay

- #3 & #4 Shallow Troughers remove sclerotic dentin, smooth the floor, uncover severely-calcified canals
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Muhammad Ali

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- Two Lengths
  - 31mm Shallow Troughers
  - 34mm Deep Troughers
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  - 1.0mm and 0.7mm

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**ENDODONTIC ACCESS BUR**
Nanodiamonds might prevent tooth loss after root canals

People undergoing root canals may have gained a powerful, if tiny, new ally. Researchers from the UCLA School of Dentistry have found that using nanodiamonds to fortify a material used in the procedure could significantly improve outcomes for patients. A paper on their research was published in the peer-reviewed journal ACS Nano.

Nanodiamonds are tiny particles formed as byproducts of diamond refining and mining. Thousands of times smaller than the width of a human hair, they have been widely explored for use in dentistry, cancer therapy, imaging and regenerative medicine, among other applications.

Each year, more than 15 million root canal procedures are performed in the United States. Dentists’ goal is to save their patients’ teeth from infected dental “pulp” — the part of the tooth that includes blood vessels and nerve tissue. During a root canal, inflamed dental pulp is removed and the empty space is then filled in with a polymer called gutta percha, which is used in part because it does not react within the body. But some root canals don’t entirely remove the infection, and residual infection after root canals can lead to tooth loss.

In addition, traditional gutta-percha has certain shortcomings, including a limited capacity to ward off infection and less-than-optimal rigidity.

To overcome those issues, the UCLA team developed and tested two types of reinforced gutta-percha: One strengthened with nanodiamonds and another strengthened with nanodiamonds that had been pre-loaded with antibiotics.

To evaluate the first type, Sue Vin Kim and Adelheid Nerisa Limansubroto, study co-authors and UCLA Dentistry students, filled actual teeth from human patients. Using conventional radiography and micro-computed tomography, or micro-CT, they showed that the nanodiamond-enhanced gutta-percha could be used to fill the tooth. Like the traditional formulation, the nanodiamond-enhanced compound did leave small gaps in the canal — where harmful bacteria could grow — but the CT imaging showed that the enhanced material filled the space just as effectively as traditional gutta-percha.

In the research’s second phase, the scientists tested nanodiamonds that had been loaded with amoxicillin, a broad-spectrum antibiotic used to combat infection. The drug-reinforced nanodiamonds, when combined with the gutta percha, effectively prevented bacteria growth.

“The nanodiamond-enhanced gutta-percha combines many desirable properties into a single platform, including vastly improved mechanical characteristics and the ability to combat bacterial infection following a root canal,” said Dong-Keun Lee, a postdoctoral scholar in Ho’s lab.

The study involved UCLA researchers with expertise in a wide range of disciplines — materials science, nanotechnology, drug delivery, toxicology, oral radiology, endodontics, microbiology and other fields.

“Through their ingenuity and collaboration, Professor Ho’s team is poised to transform the way that dentistry is practiced,” said Dr. No-Hee Park, dean of UCLA Dentistry and a co-author of the study.

During the next two years, the team plans optimize the formulation of the nanodiamond-reinforced gutta-percha and begin clinical trials at UCLA.

The study was supported by the National Cancer Institute, the National Science Foundation, the Wallace H. Coulter Foundation, the V Foundation for Cancer Research, the Society for Laboratory Automation and Screening, and Beckman Coulter Life Sciences.

(Source: UCLA School of Dentistry)
The cost of underperformance adds up

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Goal achieved: Dentsply Sirona Endodontic Suite opens at NYU College of Dentistry

Dental school had been trying to renovate the facility for years before partnership

On Thursday, Nov. 17, 2016, NYU College of Dentistry (NYU Dentistry) celebrated the culmination of a goal set years earlier with a ribbon-cutting ceremony for the opening of the Dentsply Sirona Endodontic Suite. The new clinical suite, which employs the most advanced educational and patient care technologies available, was made possible by a partnership between NYU Dentistry and Dentsply Sirona, a manufacturer of professional dental products and technologies.

"Today," said Dr. Charles N. Bertolami, Herman Robert Fox Dean of NYU Dentistry. "NYU has the most sophisticated endodontic suite in the nation, ensuring our ability to provide the finest endodontic education in an environment that reflects truly patient-centered care. And it could never, ever have happened without Dentsply Sirona."

The suite features a fully integrated computer network with best-practice case management software, a fully equipped, state-of-the-art surgical suite with 37 new treatment units, intraoral digital X-ray stations, state-of-the-art endodontic motors, ultrasonic units, intraoral sensors, and a cone-beam computerized tomography (CBCT) scanner, utilizing state-of-the-art scanning technology to produce 3-D images of teeth, soft tissue, nerve pathways and bone in a single scan.

"For an endodontics department chair," Sigurdsson said, "it is a dream come true." Speaking on behalf of New York University, NYU President Andrew Hamilton said: "Thanks to Dentsply Sirona and its partnership with the College of Dentistry, we have been able to create this beautiful and most advanced facility of its kind. Just one of the new treatment centers would be impressive, that there are 37 of them is remarkable, and that they are all in the same location and interconnected is even more so."

"NYU thanks Dentsply Sirona from the bottom of our hearts for the remarkable contribution that this new facility makes to the College of Dentistry and to our students’ education. It is wonderful to know that the future endodontists we are training will have a positive impact on the lives of our patients and on our community because of the splendid environment they now have in which to learn." NYU Executive Vice President for Health Robert Berne said: "At NYU, the scarcest commodity is space. The Dentsply Sirona Endodontic Suite is a magnificent example of a brilliant use of space. It is the lodestar for future renovation projects at NYU, the one that people will look to again and again, and it is a major contribution to the education of our students."

Dean Bertolami expressed both the college’s and his personal appreciation to Bret W. Wise, executive chairman of the board of Dentsply Sirona, noting that when the college approached what was then Dentsply International last spring to propose a partnership on behalf of the renovation, the company was in the midst of a complex, international merger with Sirona Dental Systems. Nevertheless, Bertolami said, Wise immediately indicated his support and as soon as the merger was completed, renovation of the existing clinic began.

Wise said: "This was the first project undertaken by the newly merged Dentsply Sirona and represents our commitment to research, product development and clinical education. Now, one of the best departments of endodontics has the most modern clinical suite. With this new facility, the standard has been set, and together we’ve created an unparalleled environment for research and clinical education. Dentsply Sirona is grateful for this opportunity to collaborate with NYU to advance dentistry and improve oral health."

Dr. Mark Wolff, the college’s associate dean for development, noted that the effort to renovate the endodontic facility had been years in the making, but once the partnership with Dentsply Sirona was underway, the entire renovation was completed in just three months, making it a “fitting testimony to the powerful synergy that can occur when academia and industry partner on behalf of a shared goal.”

A video of the ceremony can be viewed online at https://youtu.be/NhT5UIEjZ6c.

(Source: Dentsply Sirona)
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The story of Munce Discovery Burs

By C. John Munce, DDS, FICD

From the time I completed my residency in 1988, and even into the early 2000s, no long/stiff/narrow-shafted troughing bur existed. To meet this ongoing need for a troughing bur, I began modifying the shafts of existing latch-type, slow-speed round carbide burs by necking them down at the chairside as needed for a specific clinical case (Figs. 1 and 2).

At the pre-session meeting of the 2005 AAE Annual Session in Dallas with nearly 1,000 endodontists in the room, I demonstrated in clinical videos how these unique long/stiff/narrow-shafted round troughing burs were made at the chairside using both high- and slow-speed handpieces operating simultaneously from the same foot control in right and left hands to “hand-mill” the shaft to a 1 mm diameter, and I suggested that colleagues should do the same.

To ensure interested colleagues would be able to see and test these fledgling troughing burs, and then make the burs themselves as demonstrated, I had 1,000 of them manufactured (Fig. 3) and handed to attendees as they exited the hall.

To that point, it had never been my intent to venture into the bur design and manufacturing arena, but during the next year, at meetings, in phone conversations or in other encounters, I was told by colleagues who had been at that meeting in Dallas that they still had that sample bur, and sometimes they would pull it from a pocket to prove it.

They would explain how they jealously guarded the bur from clinical staff members on the fear that it could be misplaced, leaving them seriously handicapped, and they begged me to manufacture these burs for them because, they confessed, they were never going to make them at the chairside as I had demonstrated in Dallas.

I already had a small clinical products company, CJM Engineering, which manufactured and distributed the Root Canal Projectors (no longer available), and so, in early 2006, after trying to literally “give” the troughing bur idea to several bur manufacturing companies without success — in one instance, the new products committee of a large dental bur company concluded there was simply no market for such a bur — I decided to begin manufacture and distributing these burs myself through CJM Engineering (Fig. 4), still the manufacturer and exclusive worldwide distributor of Munce Discovery Burs today.

Below is a rough timeline of the introduction of significant features of the Munce Discovery Bur line since its inception. Each of the modifications was born of my own experience in applying these burs in diverse clinical circumstances and of the freely offered — and fully appreciated — suggestions and requests for modifications from colleagues.

2006
- A knowledgeable friend in the dental instrument manufacturing business, Lonnie Graybill of Integra-Miltex, coined the name, Munce Discovery Burs, and it stuck.
- The Munce Discovery Bur line started with 34-mm-long burs only, and in only four head sizes: #1/2, #1, #2 and #4 (Fig. 4).

2007
- At that time, we only produced the 1 mm diameter shaft on all four head sizes.
- We added the 31-mm-long Shallow Troughers to the line.
- To distinguish the two different lengths, we began referring to the burs as Munce Discovery Bur Deep and Shallow Troughers.

- We added our tiniest head size, #1/4, (with a head diameter equal to tip of a #50 K-file), and a #3 head size, to both Deep and Shallow.
- We added 3 mm “sounding” rings on the Deep.
- We also introduced the 31-mm-long #6 Endodontic Cariesectomy Bur.
- Although “troughing” as an endo-specific operation associated with ultrasonic tips was already beginning to develop its own vocabulary within the endodontic community, the specific ver...
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nacular for this operation when using burs was different and was yet to be developed. Terms we introduced or refined to apply to toughing when using Munce Discovery Burs included:

**View corridor** — the view beyond the handpiece head to the target area, which is much improved with 31- and 34-mm-long, narrow-shafted burs because the extra length draws the handpiece head away from the target area, and the decreased diameter of the shaft puts much less visual “noise” into the view corridor (Figs. 5a, b).

**Shaft impingement** — occurs on access cavity walls with 2.35-mm-diameter shafts of standard, slow-speed burs. This problem is greatly reduced with the narrow shafts of Munce Discovery Burs (Figs. 5a, b).

**Target area** — that place where the head of the bur is to perform its work, and the target area becomes much more visible because of the longer/narrower shaft as mentioned above.

**Shaft stiffness** — a necessary feature of the positive control provided by these burs. Other long-shafted burs have shafts that are too narrow, sacrificing control and leading to “noodling” under toughing and other operations (Fig. 6).

**Noodling** — not a feature of the Munce Discovery Burs. This undesirable feature was specifically designed out of the Munce Discovery Bur shafts.

**Heatless and virtually non-breakable** — important features that distinguish these burs from ultrasonic tips.

**2011**

To facilitate deeper exploration and shaft-parallel cement-line dissection (Fig. 7), we reduced the shaft-diameter to 0.7 mm on the last 10 mm of the three smallest head sizes — #1/4, #1/2, and #1 — in both deeps and shallows (Fig. 8). Although 0.7 mm is very narrow, the specific geometry we designed into this change maintains the trademark stiffness of the shaft and facilitates cement-line dissection around posts and silver points while the shaft of the bur is virtually parallel to the long axis of the post or silver point. Shaft-parallel cement-line dissection is completely impossible with 2.35-mm-diameter shafts of standard slow-speed burs.

For ease of head-size identification, we added color bands on the shafts (Fig. 8).

**2015**

A cotton plier-insertion ledge (Fig. 8) was added at the transition from the 2.35-mm-diameter portion of the shaft to the 1-mm-diameter portion to facilitate ease of insertion of the bur into the spinning handpiece while protecting the color band from abrading because of slippage of the cotton plier, which would otherwise occur.

We also significantly modified the head geometry to allow the bur to be more effective in planing operations on denuded walls (Fig. 8). In particular, this new design prevents catching on the outside of the access cavity while planing, reducing the risk of leading and perforation.

**2017**

We continue to resist the suggestion by some to downgrade this unique specialized bur from a carbide-tipped bur to a stainless-steel bur in order to reduce costs on the expectation of perhaps increasing sales volume. Our view is that this would be a shortsighted strategy that would lead to an inefficient instrument, subsequently substandard clinical results and dissatisfied clinicians.

From necessity, to idea, to sketch-on-a-napkin, then invention, technical drawing, prototyping, tweaking, bench-testing, collegial input, tweaking some more, manufacturing, marketing and worldwide distribution — to mention just some of the many steps involved — through all of these phases, CJM Engineering has always listened to the needs of clinicians in our specialized discipline and endeavored to be the absolute best that we can be in the multi-faceted process of not just being a pass-through for somebody else’s products but rather a company that delivers previously non-existent high-quality key products invented by an endodontist for endodontists and endo-savvy dentists worldwide.

Although it may seem to be a simple product at first glance, in reality, a truly complex instrument like the Munce Discovery Bur can’t just be cranked out by a bur company. It requires ongoing, open-to-improvement, firsthand experiential clinical knowledge to deliver a high-quality clinical instrument that will stand the test of time in the hands of some of the world’s most talented — and critical — clinicians.

CJM Engineering is not a bur company; we’re a “help clinicians save people’s natural dentition” company — full stop. So now you know the drill even better than before, and we invite you to drop by booth No. 518 at AAE17 for a look at — and feel of — the prototype of our new Super Shallow TruGrit® Trough Refiner (Fig. 9), inspired by you and other colleagues from around the globe. Though it’s not available for sale yet, it will be very soon, and once in full production, we hope you’ll take it to the chair, and give it a whirl.

**About the author**

[Image of the author]

C. John Munce, DDS, FICO, is a diplomate of the American Board of Endodontics and a professor of graduate endodontics at both Loma Linda University and the University of Southern California. He is a fellow of the International College of Dentists and past president of the California State Association of Endodontists. Munce received both his training in endodontics and his dental degree from Loma Linda University. He is a frequent international lecturer and the primary author of the chapter “Preparation for Endodontic Treatment” in the celebratory 50th anniversary seventh edition of “Ingle’s Endodontics,” to be released this spring. Clinical concepts and techniques originated by Munce have been published in a number of primary endodontic textbooks, most recently in the sixth edition of “Ingle’s Endodontics” and the earlier edition of “Pathways of the Pulp,” and he co-authored a chapter on MTA repair of post perforations in Dr. Nadim Baba’s prosthodontics textbook, “Contemporary Restoration of Endodontically Treated Teeth.”

**Fig. 8: Features of the Munce Discovery Bur.**

**Fig. 9: TruGrit Trough Refiner (soon to be released).** See—and feel—the prototype at booth No. 518.
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Run and learn with Sonendo at AAE17

Sonendo® — manufacturer of the GentleWave® System — has a busy schedule here at AAE17, and it’s packed full of technology and fun.

First up, the company will host its 4th Annual 5K Fun Run on Thursday morning. The event begins at 6 a.m. in the Hilton Riverside’s Grand Salon A, with a warm-up by Science Cheerleader Wendy Brown.

Brown is a PhD candidate at the University of California, Davis and a former cheerleader for the Oakland Raiders, Sacramento Kings and Atlanta Falcons. While simultaneously dancing for Georgia Tech’s Goldrush Dance Team and then the Atlanta Falcons in her senior year, she earned a biomedical engineering degree from the Georgia Institute of Technology.

Brown is now weeks away from obtaining her PhD in biomedical engineering, focusing on engineering articular cartilage and osteochondral implants to treat cartilage injuries and prevent osteoarthritis. During her tenure in graduate school, she danced one year for the Sacramento Kings and just completed her fourth and final year with the Oakland Raiders.

Sonendo promises Brown will for sure get you ready to run/walk the 5K with her “contagious energy and motivation.”

Participants can attend a meet-and-greet after the run, take photos and receive fitness gear. There will also be a table for the New Orleans Musicians Clinic, which will be accepting donations.

Get ‘To The Point’

Among the many educational highlights for Sonendo at AAE17 — there will be a number of presentations taking place at the booth — will be a session titled “Minimizing the Incidence of Endodontic Treatment Failure by Maximizing Canal Debridement and Disinfection Using GentleWave Technology.” This lecture, part of AAE’s “To The Point” series, will be offered from 12:15 to 1:15 p.m. Friday in the exhibit hall.

The GentleWave Procedure provides an innovative alternative to existing standard root canal treatment techniques by predictably debriding and disinfecting while conserving more root structure, according to Sonendo. The presentation will highlight the main causes of standard root canal treatment failure and how the GentleWave Procedure may be beneficial in eliminating these failures. A review of clinical cases will be used to emphasize minimal canal preparation shapes and exceptional healing.

Sonendo will be in booth No. 649, and the company invites meeting attendees to stop by to learn from in-booth speakers and to experience hands-on demonstrations. More information is available online at Sonendo.com/AAE17.

(Source: Sonendo)
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Visit us at Booth #325
Tools for success

See Roydent’s full line of products here at AAE17

Exhibiting at AAE17 in booth No. 524, Roydent Dental Products has a full line of products designed for endodontic success. For cleaning and shaping, Roydent offerings include C-Files, K-Files and Hedstrom Files. For obturation, the company supplies 2Seal and 2Seal easymiX and many other products.

The largest variance between hand files is a #10 and #15. This variance can be challenging while instrumenting a canal, which is why Roydent created the 12.5 mid-sized C-File. This half step between files adds precision and confidence when you need it most, according to the company.

Roydent’s C-Files are designed to break through calcified canals. They feature heat-tempered steel, making them stiff yet flexible. They feature sharp edges twisted to the tip, and the non-cutting tip follows the canal curve.

K-Files and Mid-Sized K-Files, meanwhile, feature a conical, non-cutting tip that follows the canal curve, providing reduced risk of ledging. A contoured, ribbed handle provides exceptional tactile control for reduced finger fatigue, according to the company. Square cutting blades in smaller sizes (up to #40) and triangular cutting blades in larger sizes (45 and above) provide safety, flexibility and sharpness, the company says.

Hedstrom files offer outstanding flexibility and high torsion strength because of optimal geometry and design, and they feature a custom-designed helix angle for each size instrument.

For filling the canal, Roydent offers 2Seal and 2Seal easymiX, designed to “take the mess out of mixing.” The product comes with a convenient auto-mix syringe with 360-degree flex tip providing an automatic 1:1 mix ratio. According to Roydent, it works with all obturation techniques: warm, cold and thermal.

More information on Roydent Dental Products is available by calling Roydent customer care at (800) 992-7767 or by visiting the company online at roydent.com.

You can also visit the company at AAE17, booth No. 524.

(Source: Roydent Dental Products)

Here in New Orleans

To learn more about the offerings of Roydent Dental Products, visit booth No. 524. You can also call Roydent customer care at (800) 992-7767 or visit the company online at roydent.com.
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Talk to Sonendo® about the GentleWave® System today. Make the real difference for your patients and the economy of your practice. Visit sonendo.com/get-real.

VISIT US AT AAE! APRIL 26-29 | NEW ORLEANS | BOOTH #649
Changing
dentistry, one seat at a time

By RGP Staff

RGP first introduced the 400-Straddle Stool back in January of 2016.

Since then, the company asserts, the response has been overwhelming, and the dental community has been impressed with what the new stool has to offer.

The company says it has taken its top-selling 400-D stool concept and blended it with the Saddle-style concept to form the most versatile seating option yet.

The 400-Straddle allows the user to sit low, medium or high, all while putting the hips and pelvis in proper alignment to keep the spine in an upright and anatomically correct posture.

The seat cushion eliminates all risk of sciatic pain and also, according to the company, allows the user to snug in nice and close because of the downward positioning of the legs.

Be sure to stop by the RGP booth, No. 632, and give it a try.

“You would be surprised what a comfortable and supportive stool can do for your overall health and well-being,” said Jason DeCosta, RGP sales manager.

Here in New Orleans

Need a rest? Stop by the RGP booth, No. 632, to take a seat on the 400-Straddle Stool and see what it has to offer.
Porter’s SILHOUETTE Nasal Mask is a revolutionary new low profile, disposable nasal mask and breathing circuit.

The Porter SILHOUETTE Nasal Mask’s unique design eliminates the hassles of using nitrous oxide and offers many advantages including:

• Unobstructed access to the oral cavity
• A predictable nitrous experience
• Enhanced scavenging efficiency reduces N₂O exposure
• Disposable mask and circuit for improved infection control
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Visit us in New Orleans to learn how you can easily start using the Porter SILHOUETTE Nasal Mask!

AAE 2017 ANNUAL SESSION, APRIL 26-28, 2017 / BOOTH #137/139

Visit our website for information on how to order, videos, photos and FAQs.

Silhouette is patent pending.
Try the Silhouette Nasal Mask for predictable nitrous oxide analgesia

See the product at the Porter Royal Sales booth, No. 139

By Porter Royal Sales

The Silhouette Nasal Mask is the first truly innovative new product for nitrous oxide use in decades. Nothing like it exists. Imagine a nasal hood that does not obstruct access to the oral cavity. Imagine a nasal hood that delivers and scavenges nitrous oxide more efficiently than any other nasal hood. Imagine a nasal hood that provides predictable results for the dentist and a pleasant experience for the patient.

The imagination is over — the Porter Silhouette will revolutionize how nitrous oxide is used in the dental practice.

The Silhouette Nasal Mask is a single patient use disposable nasal mask and circuit. Featuring four size options (pediatric, small, medium and large), the Silhouette is designed with the lowest possible profile, making it easier for you to work around.

In addition to the innovative shape and design, Silhouette has an adhesive strip for the bridge of the patient’s nose — securing the mask in place. This virtually eliminates gas flowing into the patient’s eyes and more effectively scavenges the exhaled gas, addressing the concern of health-care provider safety. Infrared videos demonstrating this efficiency can be viewed on the Porter website at www.porterinstrument.com/silhouette.

Silhouette also allows for the efficient and effective administration of nitrous oxide, creating a more predictable analgesic experience for each patient. Dentists may find they can actually use less gas, as the potential for the patient to inhale ambient air is diminished when using the Silhouette Nasal Mask.

As a single-use disposable product (both the mask and 36-inch tubing), setup and room turnover times can be improved. There is also less time needed for infection control protocols (compared with standard nitrous breathing circuits).

Dentists and staff can now benefit from giving their patients nitrous oxide and oxygen in the practice — and they can work more efficiently with the new Silhouette Nasal Mask.

Visit the Porter booth, No. 139, for a demonstration.

An obturation device that can heat and vibrate

By Medidenta Staff

The RootBuddy, now available from Medidenta, is the only endodontic obturation device that can heat, vibrate or do both simultaneously.

Clinical studies prove that RootBuddy’s combination of heat and vibration technology results in a denser, more compact filling of the root canal space, according to the company.

The RootBuddy handpiece can generate heat from approximately 50 degrees C to 350 degrees C/120 degrees F to 660 degrees F, improving the flow of thermoplastic filling materials.

The handpiece also produces a gentle, low-frequency (100 Hz) vibration that ensures the filling material is free of voids and air pockets. This system is perfect for quickly heating the filling material, for distributing it laterally or vertically and for condensing it in the root canal, according to the company, which asserts that the result is an effective three-dimensional apical and coronal filling of the root canal.

Visit the Porter booth, No. 139, for a demonstration.
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