The top 10 tech trends to look for in 2017

**DR. JOHN FLUCKE**

As 2016 draws to a close, we’re looking back at the year, but we’re also looking forward at what’s to come. What are the top 10 trends that will define 2017? Here’s what I see making a big impact next year:

1. **Digital Impression CAD/CAM:** CEREC was invented in the late 1980s (how they ever managed to pull that off with the technology at the time still amazes me). The product category made baby steps of progress until the late 1990s and early 2000s when the combination of an incredible drop in computer prices and a tremendous growth of processing power coupled to drive innovation. Soon the E4D unit came along, followed by several companies with digital impression systems. Today, more than 20 percent of offices are using some type of digital acquisition technology and the number continues to grow. This is no longer a “should I buy,” but is now a “when I buy” tech.

2. **HIPAA:** In the last year we have seen several high profile data breaches in the healthcare industry. We’ve become used to seeing this type of thing occur in the retail industry ...

---

**For more online content...**

The cutting-edge product news, vital techniques and industry insight doesn’t stop here. Check out dentalproductsreport.com.
If You’re A Dentist & You Plan On Practicing For At Least 4 More Years... Then **You MUST Brace Yourself** For What’s About To Happen In 2017... As The Most Unpredictable & Unconventional President In American History Takes Office. **You MUST Arm Yourself** With This Exclusive Just Released & FREE “State Of Dentistry” Special Report & CD

Uncertainty. Unpredictability.

The two words that strike fear in every dentist’s heart. Every time a president leaves office to make room for a new president there are always REAL economic concerns about how new policies will impact your practice. This transition from President Obama to President Trump is no different...

Whether you voted for Donald Trump or not. Whether you’re conservative, liberal or anarchist… you must admit one thing... **ANYTHING could happen at this point.** Add to this fact that the popular vote did NOT go in favor of the new president that leaves an enormous amount of disgruntled, frightened and apprehensive Americans. Like them or not. Agree with them or not... **frightened and apprehensive Americans do NOT spend MONEY...**

And that is why all Dental Products Report readers are being given the opportunity to receive this Exclusive Just Released & FREE “State Of Dentistry” Special Report & CD SPECIAL REPORT & CD just by completing the Card Attached to this Page and FAXING IT BACK to 866-407-0641 or Dropping it in the Mail!

Data proves... the number of competing dentists in your neighborhood is rapidly on the rise. The number of patients actively seeking dental care is continuing its downward trend. The amount of money patients feel “able” to spend on dentistry is shrinking. **These are not predictions, forecasts or prognostications they are irrefutable FACTS.**

Now factor a new unconventional somewhat “maverick” president and now you have a true recipe for economic and practice disaster. In the face of these trends and the uncertainty and unpredictability the next 4 years, you need an EXCLUSIVE Step-by-Step Blueprint — a Blueprint with a BACKBONE that gives you the ability to SURVIVE whatever comes your way in practice in 2017, while undoubtedly many will suffer.

You can have your own personal edition of this exclusive blueprint & FREE “State Of Dentistry” Special Report & CD just by completing the Card Attached to this Page and FAXING IT BACK to 866-407-0641 or Dropping it in the Mail!

You can have your own personal edition of this exclusive, just released & FREE “State Of Dentistry” Special Report & CD shipped to you immediately. Simply complete and return the card attached to this page and FAX IT BACK to 866-407-0641 or Drop it in the Mail!
The 5 Terrifying Truths Your Practice Faces Under The New Trump Presidency
(Even If You Voted For Him Like I Did)...
& Exactly How To Survive ALL Of Them

Reserve Your Unedited, Exclusive "State of Dentistry" Special Report & CD on the Next Page
To reserve your report, complete this card and drop it in the mail, fax it to 866-407-0641 or visit www.2017DentistryReport.com!

Drs Name: ___________________________________
Drs Private Email: _____________________________
Office Phone: _________________________________
Address: _____________________________________
City: _________________________________________
State_________________ Zip ____________________

By submitting this card, you agree to receive commercial communications from us via facsimile, email, regular mail, or other electronic means, including an automatic telephone dialing system or an artificial prerecorded voice, unless you submit an electronic or other written request to opt out of receiving them. Additionally, you agree to have The Scheduling Institute perform a free Mystery Call to your office to be recorded and evaluated using its 5-star rating scale, and you represent that you have obtained permission to record the Mystery Call from all of your employees who might answer the call. Results will be sent to you confidentially.
2017 STATE OF DENTISTRY REPORT
4125 OLD MILTON PKWY
ALPHARETTA, GA 30005-9917
HANDPIECES & SMALL EQUIPMENT ARE VITAL TO YOUR PRACTICE

Rely on us to fulfill your needs.

Now, during our limited-time sales event, you can enjoy exclusive offers on the handpieces and small equipment you need to keep your practice “humming”. Every handpiece we carry is from a top manufacturer, including our popular, high-quality Henry Schein Brand.

Ask about our special handpiece trade-in program!
About this issue

The story behind the stories in our year-end issue.

It’s tradition to explain just how we come to the list that makes up our Top 100 each year. Dental Products Report published its first “Trends in Dentistry” issue in December 1984. For almost as long, the magazine has used the December issue to showcase products that received the highest reader response during the course of the year.

Seven years ago, as part of the magazine’s redesign process for DPR, we also “redesigned” the Top 100. We concluded that 100 products written out didn’t necessarily create value; all it created was a list. In an effort to make the Top 100 issue something to savor and not just flip through, we decided 100 was still meaningful, but how we got to that number had to change. Instead of focusing on 100 products overall, this year the list includes Editor’s Choice products, the top hygiene articles, the most-viewed dental articles and videos that captured your attention throughout the year, top how-tos demonstrating products in use, and top webinars and e-books. Additionally, Dr. John Flucke, DPR’s chief dental editor and technology editor, shares his top test drives from the year, and also the Top 10 tech trends that will define 2017.

Why those 10 or these 5?
The criteria for each specific list is included as part of the layout, but you need to know this compilation represents feedback from you, our readers and users, the insight of our editorial team and conversations with key opinion leaders we trust. Our hope is that breaking the Top 100 into smaller Top 10 and Top 5 lists creates a more digestible format that allows you to engage more deeply with the content. Any list that includes the phrase “most viewed” or “most popular” is based on reader interest as measured through traffic at dentalproductsreport.com. It’s important to note that the recognition of these products and articles isn’t an unqualified endorsement by DPR, and we don’t present it as a completely comprehensive review of products in the industry.

The best in how-to
We monitor our reader interest in various features in two main ways: First, we track the performance of articles on the web—what is being viewed, liked, commented on and shared? Second, we invest in a readership study conducted by a third-party vendor that asks subscribers what they prioritize and value in DPR’s content mix. The amazing thing is, no matter how we ask or who we ask, our techniques, case studies and how-to pieces are among the top-requested, best-read and most-valued. Knowing that, this issue features the Top 5 how-to pieces from 2016, which include restorative dentistry techniques, helpful how-tos and other step-by-steps showcasing how new technologies are used in dentistry every day.

Agree or disagree?
Our online promotion of the different lists will be not just a platform for sharing the news, but we hope a platform for conversation on what belongs on each list. What product should have been an editor’s choice? What how-to from this year did you think also should have been recognized? We want to know what you think. Your feedback is the lifeblood of what we do—not just in this special issue, but year-round. We’re proud of what we’ve put together for you this month, and we look forward to the debates over who and what should have been on the list(s). Don’t be shy; chime in!
TOP 10 TECH TRENDS
THAT WILL DEFINE 2017
Exploring the ways technology will impact dentistry next year.

In this article, by DPR’s Chief Dental Editor and Technology Editor—which begins on the cover—we ask about the top 10 trends that will define 2017. Here’s what Dr. Flucke sees making a big impact next year._  By Dr. John Flucke

PRODUCTS
Product launches and updates from throughout the industry

EDITOR’S CHOICE PRODUCTS
12 Top 50 Editor’s Choice Products
Here’s a look at the Top 50 new products featured in Dental Products Report in 2016, including those featured on the covers of DPR throughout the year.

TOP TEST DRIVES
28 Top 5 test drives of 2016
DPR Chief Dental Editor and Technology Editor Dr. John Flucke is lucky enough to try numerous products in his operations. Here are five he put to work in 2016 that left a lasting impression on him and have the potential to help just about any practice: Drobo 5N, Ultradent VALO Grand, iTero Element Intraoral Scanner, Futudent Glasses, Mounted HD Camera and Ultradent Gemini Laser.

ARTICLES / VIDEOS
The best articles and videos from the past year.

MOST-VIEWED ARTICLES
32 Top 10 Most-Viewed Articles
Take a peek at the 10 articles that generated the most views in the past year at dentalproductsreport.com.

HYGIENE ARTICLES
40 Top 5 Most-Viewed Hygiene Articles
See the 5 articles that generated the most views in the past year at modernhygienist.com.

VIDEOS
42 Top 5 Most-Viewed Videos
These videos generated the most views in the past year at dentalproductsreport.com.

HOW-TOS / RESOURCES
Content to help your practice grow and prosper

MOST-VIEWED HOW-TOS
46 Top 5 Most-Viewed How-Tos
The top techniques of the year include Clinical Insights from Dr. Ross Nash, along with cases featuring products from 3M, Tokuyama, VOCO, Kettenbach and Ivoclar Vivident.

E-BOOKS
53 Top 5 E-Books
Check out these top e-books of 2016 from Pelton & Crane, CAO Group, i-CAT, KalVo and Instrumentarium.

WEBINARS
56 Top 5 Webinars
These webinars drew plenty of attention and helped educate you on digital dentistry, foSSing compliance, practice management, 3D printing and launching a new practice.
Nupro Freedom™
Cordless Prophy System with SmartMode™ Technology

Experience complete control in the palm of your hand.

This revolutionary cordless design features SmartMode™ Technology which adjusts speed and power automatically as you press against the tooth — eliminating the need for a foot pedal or buttons. The future of polishing is now within your reach.

For more information or to request a free demo, call 1.800.989.8826 or visit nuprofreedom.com.

© 2016 Dentsply Sirona Preventive
Nupro Freedom™ and SmartMode™ are trademarks of DENTSPLY International and/or its subsidiaries.
NUP08-0716-3 Rev. 2
DR. LEAH CAPOZZI

Dr. Capozzi graduated from the University at Buffalo School of Dental Medicine in 2009. After completing an Advanced Education in General Dentistry at the University of Buffalo, Dr. Capozzi set up private practice in Colorado. Proficient in CEREC dentistry and Invisalign, she teaches CEREC dentistry to dental students with igniteDDS. Dr. Capozzi is a member of the American Academy of Dental Sleep Medicine and currently practices in Buffalo, New York.

DR. JOHN FLUCKE

John Flucke, DDS, is Chief Dental Editor and Technology Editor for Dental Products Report and dentistry’s “Technology Evangelist.” He practices in Lee’s Summit, Missouri, and has followed his passions for both dentistry and technology to become a respected speaker and clinical tester of the latest in dental technology, with a focus on things that provide better care and better experiences for patients. He blogs about technology and life at blog.denticle.com.

DR. ERINNE KENNEDY

Dr. Erinne Kennedy completed her undergraduate studies at The Ohio State University before earning her degree from Nova Southeastern University College of Dental Medicine in 2015. She subsequently completed a one-year residency at the VA Hospital in Baltimore, Maryland. During dental school, she was involved with the American Student Dental Association (ASDA), serving as the chapter president for two years and District 10 trustee for one year. A native of Ontario, Canada, Dr. Hrobat grew up in the Phoenix area. She currently practices in Columbia, South Carolina.

DR. KRISTOPHER MENDOZA, DDS

Dr. Christopher Mendoza attended undergrad at the University of the Pacific, before graduating from the UCLA School of Dentistry in 2015. He is currently completing a dental anesthesiology residency at UCLA. A member of the American Student Dental Association, Dr. Mendoza served as the national president of the organization in 2014/15, and was the official spokesperson of the organization.

DR. TARA GRIFFIN, DMD

Dr. Tara Griffin is a 1994 graduate of Millikin University and received her Doctor of Dental Medicine degree from the University of Kentucky College of Dentistry. She completed her general practice residency at the Hampton Veterans Affairs Medical Center, and maintained a private group practice in Illinois for several years, with a focus on comprehensive restorative dentistry and treatment of TMJ disorders and sleep apnea. Dr. Griffin currently practices in Florida.

DR. EMILY HOBART

Dr. Emily Hobart graduated from Midwestern University in Glendale, Arizona in 2015. During her time in dental school she was very involved with the American Student Dental Association (ASDA), serving as the chapter president for two years and District 10 trustee for one year. A native of Ontario, Canada, Dr. Hobart grew up in the Phoenix area. She currently practices in Columbia, South Carolina.

DR. DAVID RICE, DDS

Dr. David Rice is the founder of igniteDDS, the nation’s largest student and new dentist community. Dr. Rice travels the world speaking, writing and connecting today’s top young dentists with successful dental practices. He maintains a restorative and implant practice in East Amherst, New York. Dr. Rice received his DDS degree from the State University of New York at Buffalo in 1994, and completed his residency at the Allegheny General Hospital in Pittsburgh in 1995.

DR. JASON WATTS

Dr. Jason Watts is a graduate of Florida State University, and received his Doctor of Dental Medicine degree in May 2015 from Nova Southeastern University College of Dental Medicine. Dr. Watts is a contributing editor to igniteDDS, and the lead author for the Wisdom Tooth Blog (MedproDentalBlog.com). He is a dental consultant for Medpro Dental Malpractice and has a private practice in Cape Coral, Florida.

DPR’s Reader Service Card

As the go-to product resource for the dental industry, the team at Dental Products Report wants to make it as easy as possible for you to get the information you need about new products. In each issue you’ll find the free reader service card with numbers that correspond to advertisements. Throughout the issue, you’ll also find numbers with each of the products that appear as editorial in every issue of DPR.

We want to make it easy for you to get what you’re looking for — on your terms. You can fill out the product card to receive information on specific dental products, and you can also visit dentalproductsreport.com or the manufacturers’ websites for additional information.
What’s Missing?

Over half of adult patients are missing at least one tooth.* Are you able to provide them with the best treatment solution? If not, what’s missing in your practice?

ORTHOPANTOMOGRAPH™ OP300

The OP300 platform is ideally suited for implant cases. With excellent image quality and award-winning 3D software by Anatomage®, it offers a clear path toward accurate treatment planning with predictable results.

Schedule an appointment today at 866-940-1417


Download our NEW eBook Today
“Treatment Planning Software in Action — 4 Case Studies”
yes.op300.com/001462

Interested? Circle Product Card No. 04
CONT'D FROM COVER ... (remember Target?), but suddenly our industry appears to be in the cross hairs of hackers as well. Of course when a retailer is hacked, they only have the negative publicity and restitution to customers. When the same situation happens to us, we have another entity to appease: the government. Fines for HIPAA violations can be severe, so it behooves all of us in healthcare to give data security a high priority. However, we shouldn’t do it just because of threats of a fine—it’s also the right thing to do!

3. PATIENT COMMUNICATION: There is no debate that technology and instantaneous information have changed our lives. Americans are now completely dependent on their smartphones for all kinds of things. With that in mind, if you want to stay in touch with patients, the best way to do so is through their smartphone. There are a number of companies in the dental space that can provide these types of services for a practice. Whether it is satisfaction surveys, Facebook likes or appointment confirmation, it is necessary for a practice to utilize communication services to keep in contact with their patients. Nearly half of all Americans no longer have a landline phone, making the smartphone the ideal way to keep in touch.

4. IMPLANTS: In the time that I have been in practice, I’ve seen implants go from a procedure that was exciting but hardly predictable, to being state of the art. Implants are my number one recommendation for patients looking to replace missing teeth. Every year brings more advancements to the field, and 2017 will be no exception. In my mind implants encompass not only the actual implant but everything that makes them possible, including procedures like grafting and scanning, as well as all of the technologies that make implants possible. I believe these technologies will continue to grow as well.

5. LASERS: It used to be that lasers were bulky and expensive. Now it is routine to see a laser device that can literally be picked up with one hand and moved around the office. Add to that the fact that the price has dropped about 75 percent over the last 20 years and it’s fairly easy to see why lasers have become such an exciting topic in the profession. Of course lasers are a pretty broad topic, and what I’ve described above pertains to diode lasers which remove soft tissue. However, there has also been tremendous advancement in the Er:YAG category: the laser that cuts tooth structure and bone. The last year saw one of these lasers come into the market with a price under $50,000, which was previously unheard of in dentistry. This has caused a bit of a shake-up in the industry. While hard tissue lasers will never approach the price of diodes, they are now more affordable than ever.

6. CONE BEAM 3D IMAGING: This product category has seen tremendous advancements in the past five years and will continue to do so. We have seen decreases in exposure, better collimation and software improvements. Now CBCT is moving into more of an integrated role. The ability to do 3D treatment planning for implants, CAD/CAM and more is bringing this technology into more and greater usefulness.

7. SECURE EMAIL: While this subject could also fall into the HIPAA category previously listed, I have decided to break this out into a separate category because it is so important. Being totally digital, we often make requests of other offices to send patient data via email, and I’m stunned how often we simply receive a normal email with all types of confidential data either in the body of the email or in the attachments. Ever since secure encrypted email became a necessity, we’ve been using Aspida Mail (aspida.us/encrypted-email-service/), and I sleep better knowing that any confidential information we send is encrypted and safe. Aspida makes this process quick and easy. There really is no excuse!

Top 10 tech trends that will define 2017
Exploring the ways technology will impact dentistry next year. [by Dr. John Flucke]
**Citanest. For a wide spectrum of patient conditions.**

Citanest, from DENTSPLY Pharmaceutical, gives patients more comfortable options for low-toxicity, high-safety local anesthesia with Plain (no epinephrine) and Forte (with epinephrine). While both are safe for patients with a wide variety of medical conditions or circumstances, Plain offers pinchless, quick-on/quick-off while Forte works well for longer or extended procedures.

Citanest Plain and Citanest Forte are contraindicated in patients who are hypersensitive to local anesthetics. Citanest Plain and Citanest Forte should not be used in patients with congenital or idiopathic methemoglobinemia. Common precautions include aspiration prior to injection to help avoid intravascular injection. Local anesthetic solutions like Citanest Forte that contain a vasoconstrictor should be used cautiously especially in patients with impaired cardiovascular function or vascular disease.

Please refer to brief summary for prescribing information on page 57.

To learn more, call us at 1-800-225-2787 or visit dentsply.com.

Interested? Circle Product Card No. 06

*Stanley F. Malamed- Handbook of local anesthesia-6th Ed. ©2015 DENTSPLY Pharmaceutical. All rights reserved. CIT01-1015-1.0 Rev.00*
8. CLOUD-BASED PRACTICE MANAGEMENT: There are several good options that are now available in this category. In my opinion, the only thing that is holding back a mass migration is practices that are either only partially digital or, like mine, have very large amounts of data. It’s only a matter of time before the Cloud becomes a mainstay in dentistry. If I were a newer graduate and was starting a new practice from scratch, I would definitely give the Cloud a very strong look and evaluation.

9. ELECTRIC HANDPIECES: This is a category long overdue for deep market penetration. The electric handpieces of the past were bulky and not nearly as dependable as the ones available today. I began to migrate to electrics about five years ago when I began beta testing some models for manufacturers. What I discovered so impressed me that I made the investment to move myself to totally electric handpieces. My current setup is Bien-Air iOptima, which is an iPod controlled system (very cool!), and the KaVo MASTERMatic. Both brands are very reliable and deliver incredible amounts of torque. My preps are better, smoother and cleaner. I don’t have to use them at full speed, due to their efficiency. As we continue to use more and stronger esthetic materials for crowns, the electric handpiece is a great advantage for the removal of these prosthetics or for endo access. There has been an incredible amount of innovation in this product category, and I look for that to continue.

10. INTERNET CONNECTED EQUIPMENT: If you are a geek like me, you’re aware of a concept called “The Internet of Things.” It’s basically a fancy term for the concept of everyday devices that are connected to the internet 24/7. Many homes are now installing connected thermostats that allow the user to adjust them using an app on their smartphone and many alarm companies are putting doorbell connected cameras at the front door so that people can see who is at the door even when they are not home. The same concept is being brought to the dental office. The devices we use every day are being given a way to communicate with the manufacturer and service technician. The idea is that before these devices actually fail, they can call for help and be repaired. It should save downtime and also allow the service tech to bring the proper parts to the office. I can see lots of applications for this technology, and I imagine that in 10 to 20 years we will be as dependent on this type of tech as we are on our smartphones today. Look for explosive growth in this category in the not too distant future.

Interested? Circle Product Card No. 5
The Culmination of 30 Years of Dental Implant Technology

ADI’s “True” PreMounted Implant Delivery Package:

- The Implant
  Choice of 2 Surfaces (RBM or HA Surface)
  Choice of 2 Styles (Tapered or Straight)
- Cover Screw
  First Stage Surgical
- Driver
  Premounted Color Coded
  Use as: Impression Coping, Temporary Abutment, Permanent Abutment
- Fixation Screw (Hex Driven - 0.05”/1.25mm)
- Driver Tool (Hex - 0.05”/1.25mm)

$132.50

Interested? Circle Product Card No. 07

The ADI Family of Implants

Driven and Restored with the Standard Internal Hex offered in straight walled or tapered offered in 2 surfaces, RBM and HA coated

Featuring the Skinny 2.4

The Safest, Most Precise, Predictable and Repeatable Drilling Sequence in the Industry

*Now bundle packaged with all components for the complete surgery: Locator Drill, Final Sizing Drill and Skinny 2.4 Implant

All three components for $182.00

Interested? Circle Product Card No. 07

For instructional videos visit www.americandentalimplant.com

1-800-511-0661 www.americandentalimplant.com

2415 Wilmington Road • New Castle, PA 16105 • 1-800-511-0661 (USA) • 1-724-657-0718 (international) • 1-724-654-7640 (fax)
Each year, the dental industry is presented with a myriad of products that make promises to revolutionize and transform the way dentistry is practiced. Some of the claims end up being a bit of hyperbole—perhaps a product is good or an iterative update to a useful product, but it might not be something that makes people wonder, “Why didn’t I think of that?”

And then, on the other side, there are a class of products that stand apart. The ones that truly do shape and shift the dental industry in such ways that bottom lines are improved, that jobs are made more efficient and, of course, that patients are better cared for. Those are the type of products we’ve picked for our top 50 editor’s choice products of 2016. These products blew us away throughout the year, and we’re proud to bring you this roundup of the solutions pushing dentistry forward.
Simply strong success

Choose the new NobelProcera® Crown and provide strong and esthetic results for your patients.

- Straightforward daily routines.
- Multilayered translucent material mimics the real tooth.
- Reduce the risk of veneer chipping, remakes and stress.
- Consistent NobelProcera quality – precision engineered every time.

See the benefits for yourself
Request the new NobelProcera Crowns from your NobelProcera lab or 3Shape Dental System™ lab today.

- FDA cleared
- Five-year warranty
- Manufactured in the US

Visit nobelbiocare.com/crown

Interested? Circle Product Card No. 08
Mobile True Definition Scanner
Mobile tablets have arrived in the dental industry with the introduction of the 3M™ Mobile True Definition Scanner. The compact, ergonomic design is similar to rechargeable tablets that patients and clinicians use in their daily lives, allowing clinicians to move freely between operatories without power cords or carts. Patients can experience a cutting-edge digital visualization of their oral anatomy, and ultimately, a better understanding of proposed treatments.

EXPASYL
EXPASYL™ is a gingival retraction paste designed to offer effective and atraumatic sulcular opening. It is said to be ideal for obtaining superior conventional impressions and a must for those using digital CAD/CAM technology, as there is no risk of damaging the epithelial attachment, resumption of bleeding, gingival recession or pain for the patient, which is very common using other options such as cords. EXPASYL™ has more than 15 years of clinical evidence and is reportedly recommended by dentists worldwide for its effectiveness.

CamX Elara
Air Techniques announces the next generation of CamX Spectra Caries Detection Aid and debuted CamX Elara, a new intraoral camera. CamX Spectra and CamX Elara are designed to make a perfect pair. The new CamX family of products provides invaluable support of dental treatments and enhances patient understanding of necessary treatment. These products tell patients the complete story of their oral health. The cameras’ sturdy and lightweight designs are said to fit comfortably in any practitioner’s hand.

LiteTouch Laser
After years of design and engineering, the newest addition to the award winning Picasso line of soft tissue lasers is here. With collaboration from Syneron Dental Lasers, this LiteTouch ER:YAG laser provides fast-cutting, high-energy non-fiber, and minimally invasive treatment for both hard and soft oral and maxillofacial tissues. It is designed to offer unsurpassed precision for a wide range of dental procedures. With a cutting-edge ergonomic design, it is described as an affordable and user-friendly all-tissue laser.

RelyX Fiber Post 3D
3M’s RelyX Fiber Post 3D features an updated design that reportedly offers higher mechanical retention to the core build-up material and maintains a strong bond in the root canal due to its microporous surface. In combination with RelyX™ Unicem 2 Automix Self-Adhesive Universal Resin Cement, Scotchbond™ Universal Adhesive and Filtek™ Bulk Fill Posterior Restorative, the post-and-core procedure can be significantly simplified.

Sof-Lex
The Sof-Lex™ Diamond Polishing System is a two-step system that reportedly imparts a gorgeous diamond paste-like gloss in the convenience of a rubberized system. The system contains two spirals: The Sof-Lex™ Pre-Polishing Spiral (beige) is said to smooth and remove scratches in restorations that develop during contouring and prepare the surface for final polishing. The Sof-Lex™ Diamond Polishing Spiral (pink) is embedded with diamond particles designed to deliver a gorgeous, paste-like gloss.
INTEGRATION WITHOUT FRUSTRATION

Sure, DEXIS gives you the best digital imaging, but did you know it integrates directly into Henry Schein Dentrix to help you diagnose and treat patients faster? DEXIS is Dentrix Connected, which means no more headaches. No more frustration with technology that doesn’t work together. Your technology and Dentrix work as one solution, making your staff more efficient and you more profitable.

Get connected.
Visit Dentrix.com/DEXIS to learn how the DEXIS + Dentrix connection delivers proven results for Dr. Gerald Bittner.

Dentrix is a proud winner of the Dental Product Shopper Top100 Award for 2016

Interested? Circle Product Card No. 09
**EndoSync™ Endodontic Handpiece System**

The EndoSync™ Endodontic Handpiece System reportedly features the lightest-in-its-class EndoSync Cordless Micromotor along with the unprecedented accuracy of the EndoSync A.I. Apex Locator. While possessing the ability to work independently, connecting the EndoSync Cordless Micromotor to the EndoSync A.I. Apex Locator provides users with a wide variety of automatic controls for increased confidence and safety, even in the most challenging cases.

**HyFlex EDM**

HyFlex EDM is the newest innovation in controlled memory rotary endodontics, featuring unmatched flexibility and fracture resistance in a one file system. HyFlex EDM features OneFile, designed to reduce the number of files needed in some clinical cases. Provided as a modular system of sterile instruments, HyFlex EDM includes Shaping, GlidePath, OneFile, Orifice Opener and Finishing files.

**BRILLIANT EverGlow**

BRILLIANT EverGlow is a universal submicron hybrid composite distinguished by easy polishability, gloss retention, ideal handling and optimal blending properties. Highly esthetic outcomes reportedly can be achieved using seven universal shades in COLTENE’s Duo Shade system, each of which covers two classical VITA shades. Two enamel and three opaque shades enhance design options for customized restorations.

**Sheer WhiTel System**

The CAO Group’s Sheer White® System Teeth Whitening, described as the world’s first in-office teeth whitening strips with one-minute chair time, are offered through exclusive distribution partner, Henry Schein, Inc. The strips are uniquely designed with CAO’s Comfort Fit Technology™ and require no soft tissue retraction or isolation.

**CS 3600**

Carestream Dental’s new intraoral scanner, the CS 3600, is designed to simplify the scanning process with high-speed, continuous scanning and full HD 3D images. The CS 3600 also features an Intelligent Matching System that allows users to freely fill in missing information for any area in the data set. Additionally, the broad 13 mm scanning range is reportedly engineered to allow users to capture scans in a way that feels most natural to them.

**Firefly**

DenMat announced the newest addition to the PeriOptix® line of magnification products. The Firefly is the first cordless headlight system that fits any pair of loupes, reportedly allowing users the freedom to focus on what matters most: their patients. At only 28 grams, the Firefly’s design is a lightweight and ergonomic alternative to conventional headlight systems.
Reduce Appointments with DIGITAL Dentures

Precision fit of the CAD/CAM-printed baseplate increases stability during try-in, often reducing the number of appointments before delivery. The digital file is saved for five years.

Simply Natural Digital Dentures™

$248* per arch
including Kenson® Teeth

U.S. Patent No.: 9,326,834

“The fit of the Simply Natural Digital Dentures™ was amazing. I was pleased with the use of this technique.”
– C. Aydin Cabi, DDS
Aurora, Ohio

“The fit was awesome! I love the use of this new technology.”
– Gregory Nicholson, DDS
Murfreesboro, Tennessee

“I love the awesome fit of the Simply Natural Digital Dentures!”
– Bruce Wiley, DMD
Greybull, Wyoming

“This technique is great and resulted in the easiest try-in I have ever done.”
– Michael Brogna, DMD, FAGD
Bensalem, Pennsylvania

“I just received back my first Simply Natural Digital Dentures case. The patient loves the fit especially; it even improved her ability to speak.”
– Adam Myers, DDS
Morgantown, West Virginia

* Price does not include shipping or applicable taxes. Kenson is a registered trademark of Myerson.

For more information
800-471-9758
glidewelldental.com

GLIDEWELL LABORATORIES
Premium Products - Outstanding Value
DEXIS is Dentrix Connected
DEXIS is known for delivering high-quality digital imaging, but did you know it integrates directly into Henry Schein Dentrix to help you diagnose and treat patients faster? DEXIS is Dentrix Connected, which means no more headaches. It is designed to eliminate frustration with technology that doesn’t work together. Practice management technology and Dentrix work as one solution, reportedly making the dental staff more efficient and practices more profitable.

Henry Schein Practice Solutions
800-DENTRIX / Dentrix.com
CIRCLE RS #52

Aquasil Ultra+
Dentsply Sirona’s Aquasil® Ultra+ Smart Wetting® Impression Material is formulated to merge state-of-the-art intraoral hydrophilicity and intraoral tear strength to deliver improved results. The material is a final VPS impression material indicated for use in all impression techniques. The material is said to deliver clinically relevant work/set times, viscosity choices, and Dentsply Sirona’s patented digit® Targeted Delivery System to provide a no-compromise product solution for single-unit crown cases and more.

Dentsply Sirona
800-532-2855 / AquasilUltraPlus.com
CIRCLE RS #53

SureFil SDR flow+
SureFil® SDR flow+ bulk fill flowable is said to be a revolutionary flowable composite. It’s reportedly the first bulk fill flowable that self-levels and designed to provide excellent cavity adaptation with up to 60 percent less polymerization stress. SureFil SDR flow+ material reportedly allows a bulk fill of up to 4 mm without any manipulation for a fast, easy application with lasting results. Now with improved wear resistance and radiopacity, SureFil SDR flow+ material is said to help ensure you can practice with clinical supremacy.

Dentsply Sirona
800-532-2855 / dentsplysirona.com
CIRCLE RS #54

Cavitron Touch
Dentsply Sirona’s all-new Cavitron Touch™ Ultrasonic Scaling System reportedly allows users to experience an intuitive touchscreen interface, customizable power settings and Tap-On™ Technology. In addition, the Steri-Mate® 360° fully rotating handpiece, is designed for free-flowing movement and access within the oral cavity.

Dentsply Sirona
800-532-2855 / dentsplysirona.com
CIRCLE RS #55

Midwest E Plus
Perform a broad range of procedures with the power and flexibility provided by the new Midwest® E Plus Electric Handpiece Attachments. They are designed to easily let you apply your skills to the fullest with confidence, accuracy, and efficiency. Featuring a 20-percent-smaller head for easier access, titanium shell for reduced weight and ceramic head bearings for extended durability, the new attachments offer many reasons to upgrade. Seamlessly integrate electric into your existing treatment center with the Midwest E Plus system.

Dentsply Sirona
800-800-2888 / dentsplysirona.com
CIRCLE RS #56

DEXIS for Dentrix Ascent
DEXIS for Dentrix Ascent is a cloud-based imaging solution built exclusively for Dentrix Ascent to help quickly capture and store images to the cloud, eliminating the need for additional digital imaging software, and automating daily procedures, such as insurance billing, to enhance efficiency and productivity in the dental practice. It also features seamless integration with Dentrix Ascent, an enhanced digital workflow, quick access to images from the cloud, and automatic upgrades and backups.

Henry Schein Practice Solutions
855-232-9493 / dentrixasced.com
CIRCLE RS #57
FLEXI-POST
FAILURE IS NOT AN OPTION
The Flexi-Post® System Has a Clinical Success Rate of 99.8%

Insertional stresses are absorbed by the split-shank post - NOT THE ROOT!

- High retention
- Low insertional stress
- Even distribution of functional stress
- Resistant to cyclic fatigue
- Long-term clinical success

Additional EDS “Split” Post Systems

Metal:
(Stainless Steel & Titanium):
Flexi-Flange® (left)
Incorporating a flange to provide stability in situations where there is inadequate coronal dentin.

Now Available in Fiber:
Flexi-Post® Fiber
Flexi-Flange® Fiber

Interested? Circle Product Card No. 11
CariVu Software 2.0
CariVu™ Software 2.0 is a software update for CariVu™, the compact, portable caries detection device that uses transillumination technology to detect a range of carious lesions and cracks. Enhancements include: a fully redesigned interface with a sleek modern look and further intuitive, streamlined functionality, Quick Capture, which saves CariVu images into the patient record; Same-Tooth Comparison Aid for easier diagnostic comparison and monitoring changes over time; On-screen Acquisition Guidance; and 5-Second Video Capture.

DEXIS
888-883-3947 | dexis.com/carivu
CIRCLE RS #58

MiniDam
DMG America LLC introduced the DMG MiniDam, a new style of latex-free gingival protection device that reportedly is small enough to be placed quickly and easily, protects the proximal area during treatment and provides comfortable gingival coverage for patients. Its unique shape is said to allow it to self-stabilize around adjacent teeth, where it securely maintains its position without the use of clamps.

DMG America LLC
800-662-6383 | dmg-america.com
CIRCLE RS #59

G-ænial Sculpt
G-ænial™ Sculpt is a compactable, universal composite that features the same high density, uniform dispersion nano-filler technology found in G-ænial™ Universal Flo. The material is formulated to provide a strong, wear resistant and radiopaque finished restoration with beautiful aesthetics. A self-shining effect enables simple rough finishing with a bur to bring the restoration to a beautiful luster and will continue to increase in polish over time. It is available in 17 shades in syringe or unitip.

GC America, Inc.
800-323-7063 | gcamerica.com
CIRCLE RS #60

iSy
Henry Schein Dental Surgical Solutions introduced the new iSy® (pronounced “EZ”) implant system. iSy, manufactured by leading implant provider Camlog and exclusively distributed by Henry Schein, is a play on the words “intelligent system.” It is designed to optimize implant treatment efficiency while minimizing the complexity of treatment planning, enabling practitioners to choose a digital, conventional or combined treatment workflow.

Henry Schein Dental Surgical
888-246-8338 | i5syimplants.com
CIRCLE RS #61

EverEdge 2.0
EverEdge 2.0, Hu Friedy's latest innovation in hand scaling instrumentation, is designed to help clinicians achieve the best clinical outcomes. Hu-Friedy developed EverEdge 2.0 using a proprietary heat treatment process and enhanced finishing techniques. The optimized steel has optimal edge retention and wear characteristics engineered to last the entire life of the instrument. Since it’s not a superficial coating, these characteristics cannot be removed through use or sharpening. EverEdge 2.0 Scalers can be resharpened at any point to extend their life and value.

Hu-Friedy Mfg. Co
800-483-7433 | hu-friedy.com
CIRCLE RS #62

EverEdge 2.0 line with Gracey Curette designs
Hu-Friedy has added Gracey Curette designs to its line of EverEdge 2.0 hand instruments. Gracey Curettes, a series of double-sided, area-specific instruments, are said to be ideal for the successful removal of deposits from root surfaces. The Gracey curette blade design features one lower cutting edge, which allows adaptation to a specific tooth surface. The Gracey curette blade is offset from the shank at 70 degrees to the side, enabling the blade to be used on a specific group of teeth.

Hu-Friedy
800-483-7433 | hu-friedy.com
CIRCLE RS #63

MiniDam line with Gracey Curette designs
DMG America LLC introduced the MiniDam line with Gracey Curette designs, which are small enough to be placed quickly and easily, protect the proximal area during treatment and provide comfortable gingival coverage for patients. Its unique shape is said to allow it to self-stabilize around adjacent teeth, where it securely maintains its position without the use of clamps.

DMG America LLC
800-662-6383 | dmg-america.com
CIRCLE RS #63
Prometheus Coupler
Johnson-Promident introduced the Prometheus™ Coupler, a line of quick disconnect couplers with self-contained LED fiber optics that reportedly fit all your favorite fiber optic handpiece brands. Prometheus™ Couplers are said to create bright white LED light with no additional power source or fiber optic system needed.

Johnson-Promident
845-589-0210 | johnsonpromident.com
CIRCLE RS #66

SpeedCEM Plus
SpeedCEM Plus is a self-adhesive, self-curing resin cement with light-curing option. It reportedly provides the optimum combination of performance and user friendliness. With its optimized formulation, the cement is especially suited for restorations made of zirconium oxide and metal ceramics, and the cementation of restorations on implant abutments. The material achieves a high bond strength to zirconium oxide, non-precious metal such as titanium, and dentin without exposure to light.

Ivoclar Vivadent
800-533-6825 | ivoclarvivadent.us
CIRCLE RS #65

Deep Purple™
Komet USA’s innovative new Deep Purple™ diamonds set an industry-wide standard amongst premium diamond burs for rapid, effective substance removal during crown preparation. Deep Purple™ diamonds save valuable cost and time through achieving outstanding productivity with minimum wasted effort and expense.

Interested? Circle Product Card No. 12

Komet USA
888-566-3887 | kometusa.com
CIRCLE RS #67
Midmark ClearVision

The Midmark ClearVision® CR Dental Reader is a dental imaging solution designed to rapidly deliver high-quality digital images. The ClearVision CR Dental Reader features a small footprint that enables it to fit into any size dental office and exam room. The automated, magnetized feeding tray offers push and go functionality. The ClearVision is low maintenance with no brushes. The reader follows the Digital Imaging and Communications in Medicine (DICOM) standard, making it compatible with existing systems.

Midmark Corp.
800-MIDMARK
midmark.com
CIRCLE RS #70

MyRay Hyperion X5

Cefla Medical Solutions’ MyRay Hyperion X5 has cleared the FDA approval process, making it available to dental customers in the United States. The Hyperion X5 is said to be the first-ever wall-mounted panoramic imaging system and reportedly has the distinction of being the smallest pan unit ever available in the market. With an ultra-simple user interface, the X5 reportedly achieves up to 15 high-definition 2D projections in just a few simple steps. Installation is designed to be astonishingly quick with minimal time and cost.

MyRay
+39 0542 653441 | my-ray.com
CIRCLE RS #72

NobelZygoma

The new NobelZygoma implants anchor in zygomatic bone and provide an option for treating severe maxillary resorption without bone grafts. They have an unthreaded implant body designed to interface with soft tissue. Parts of the implant body can be located outside of the maxillary sinus. It offers a broad choice of prosthetic options and reportedly dramatically shortens time-to-teeth, and allows patients with severely resorbed maxillae to return to a normal quality of life. The procedure avoids complex bone grafting and the implants are said to deliver optimal survival rates.

Nobel Biocare
800-322-5001 | nobelbiocare.com
CIRCLE RS #73

CLEARFIL SE Protect Unit Dose

Kuraray America, Inc. introduced CLEARFIL SE Protect Unit Dose, its newest version of CLEARFIL SE Protect. CLEARFIL SE Protect Unit Dose reportedly has all the same features as CLEARFIL SE Protect, which includes the MDPB Monomer a specially treated fluoride that contributes to a strong bonding layer and superior bond strength and durability from the original MDP monomer. This self-etch, light-cure bonding agent is said to now offer ease of use, as well as disposal after patient treatment.

Kuraray America, Inc.
800-879-1676 | kuraraydental.com
CIRCLE RS #68

ProStyle

Lares Research introduced a new ProStyle line of high speed handpieces. The new handpieces reportedly offer many advantages over the company’s prior models, including improved ergonomics and optics. Lares ProStyle high speed handpieces are said to feature new solid-rod cellular optics for brighter, longer-lasting illumination. The new, ergonomically optimized grip diameter and gentler handle bend radius also reportedly reduces hand fatigue and provides better control.

Lares Research
888-333-8440 | laresdental.com
CIRCLE RS #69

MMG Fusion

With MMG Fusion you can manage, market and grow your practice thanks to a single sign-in to one powerful dashboard. The practice management software’s features include sections and tools for local SEO optimization, reviews and ratings, negative review management, social media, appointment scheduling and online booking, email marketing, call recording and call analysis, and an ROI tracker so you know what marketing spends are working.

MMG Fusion
844-9-FUSION | mmgfusion.com
CIRCLE RS #71

TOP 50 EDITOR’S CHOICE
Two-step variable magnification allows loupe to improve efficiency

Orascoptic™ introduced EyeZoom™ Mini, a loupe that employs two-step variable magnification technology between 2.5x and 3.5x power. The second loupe launched under the EyeZoom moniker, EyeZoom Mini invites the user to zoom in to view finer details and zoom out for a wider field of view. By bringing the operating site closer and into focus, the loupe is designed to help improve one’s speed and efficiency in the operatory, while reducing interruptions in the flow of patient care. With a consistent working distance at each magnification level, the loupe helps reduce the need to reposition when switching between magnification levels. This patent-pending design was co-engineered by Orascoptic and Konica Minolta®. The EyeZoom Mini is available on Orascoptic’s Legend™, Rave™, Rydon™ and Victory™ frames. The loupe is available in a through-the-lens (TTL) configuration.

Orascoptic
800-369-3698 | orascoptic.com
CIRCLE RS #75

Power toothbrush with Bluetooth connectivity

Designed to help patients brush their very best, the Oral-B® GENIUS™ Professional Exclusive Power® Toothbrush with Bluetooth Connectivity features the world’s first Position Detection technology, available in the Oral-B® app. This combines cutting-edge motion sensor technology located in the brush, and video recognition using the smartphone’s camera to read patients’ brushing position and track areas that patients brush so that no zone is missed. Patients receive instant feedback on their brushing of each zone of their mouth via the app and a brushing score to keep them motivated. Personalize the brushing experience for your patients, helping them brush for the recommended two minutes and encouraging them to focus brushing on the most important areas.

Crest + Oral-B
800-543-2577 | dentalcare.com/genius
CIRCLE RS #74

ZR Flash Polishers™
High quality polishers interspersed with diamond grit for pre-polishing and high-shine polishing of ceramics.

Interested? Circle Product Card No. 13
**PlanScan**
Planmeca unveiled its new PlanScan with optional color capability and optimized scanning speed in the latest software update: PlanCAD 5.7. When activated for color, PlanScan reportedly gives dental professionals a new tool to accurately capture and visualize the oral environment in full color and boosts increased speed for the ultimate in chairside productivity.

**Planmeca**  
630-529-2300 | planmeca.com/na  
CIRCLE RS #76

**CEREC Zirconia**
CEREC Zirconia, an all-ceramic substitute for the traditional PFM (porcelain fused to metal), and the CEREC SpeedFire furnace have joined the family of Sirona products and technology. CEREC now provides a completely new process in the dental practice: Combining the new CEREC SpeedFire furnace and CEREC Zirconia material, dentists can now deliver full contour crowns and small bridges made of the full-strength, high-quality zirconium oxide in a single visit.

**Dentsply Sirona**  
800-659-5977 | cereconline.com  
CIRCLE RS #77

**BurButler**
Shofu announced that it has extended its BurButler product line, the silicone bur block that grips all burs securely in place, eliminating the risk of spilling. To meet varied clinicians’ and laboratory technicians’ preferences, BurButler now includes a 5-, 10- and 25-hole configuration. The 25-hole base features the option of a standard or a tall clear lid. Mix and match FG, CA, HP (tall lid only) and short shank burs to suit your clinical or laboratory needs.

**Shofu Dental Corporation**  
800-827-4638 | shofu.com  
CIRCLE RS #78

**CARES Intraoral Scanner**
The Straumann® CARES® Intraoral Scanner by Dental Wings is a digital dentistry solution built on a patented and compact 3D capture technique called Multiscan™ Imaging. With the overall objective to help the dentist focus on the patient rather than the technology, the system offers a small handpiece to ensure patient comfort and excellent clinical access, visual and audible feedback to allow the user to focus on the patient and not the system’s screen, as well as optimized gesture control and voice command allowing for touch-free operation of the system while the user has gloves on.

**Straumann**  
800-448-8168 | straumann.us  
CIRCLE RS #80

**Radar EV and Flak 2.0 frames**
SurgTel’s loupes have been introduced with the Oakley Radar EV and the Flak 2.0 sports frames. The result is said to deliver lightweight, comfortable and sturdy loupes that can easily be worn all day. The wrap-around shape with proper pantoscopic tilt provides protection to the clinician. Features include: powerful impact protection made of Oakley’s patented O-Matter; multiple lens choices for best fit; Three-Point-Fit for a balanced weight distribution; and No Slip Grip ear socks and nose pads.

**SurgTel**  
800-959-0153 | surgitel.com  
CIRCLE RS #81

---

**PlanScan**
**Beautifi II**
**CEREC Zirconia**
**BurButler**
**CARES Intraoral Scanner**
**Radar EV and Flak 2.0 frames**
Jiffy® Universal Ceramic Finishing System

The Jiffy® Universal Ceramic Finishing System is described as the only universal finishing system for high-strength ceramics. It is a finishing solution in which all adjustors and polishers work interchangeably on porcelain, lithium disilicate and zirconia. Each convenient kit (extraoral or intraoral) reportedly includes everything the dentist needs, eliminating the need to purchase unnecessary or multiple components and allowing the clinician to create a truly smooth, beautiful, high-gloss finish of the highest quality on all ceramic restorations.

Ultradent Products, Inc.
800-552-5512 | ultradent.com
CIRCLE RS #83

TRIOS 3 Mono

3Shape has announced the launch of the TRIOS 3 Mono, a new entry-level version of its TRIOS 3 intraoral scanner. The TRIOS 3 Mono is designed to deliver the same accuracy, speed and ease of use of all TRIOS intraoral scanners but takes digital impressions without color. It will sell at a price point at nearly 40 percent less than TRIOS 3 color models. The new version delivers many of the same features of TRIOS 3 color models, including: a wide range of indications and delivery of texture and stone model scans plus HD photos; and dentists can offer same-day dentistry using the optional 3Shape Practice Lab. Additionally, the TRIOS 3 Mono is upgradeable to a TRIOS 3 color model at any time. The cost of the upgrade is the price difference between the two scanners and a service fee. When upgrading to a TRIOS color model, the upgrade includes RealColor™ scanning, digital shade measurement and an integrated intraoral camera.

3Shape
908-867-0144 | 3shape.com
CIRCLE RS #82

Diamond Finishers

Thanks to specially adjusted blanks, Komet® finishing instruments deliver ideal results quickly, precisely and predictably. These finishers are the exact match to the Deep Purple™ diamonds.

Interested? Circle Product Card No. 14

kometusa.com
888-KOMET-USA
TOP 50 EDITOR’S CHOICE

Gemini™ 810 + 980 soft tissue laser
Ultradent Products introduced the Gemini™ 810 + 980 soft tissue laser, which is said to be dentistry’s first dual-wavelength soft tissue diode laser with 20 watts of peak super-pulsed power and a stunning, fully transparent electroluminescent display. No matter the procedure, the Gemini laser reportedly makes it faster, smoother and more efficient.

VOCO introduced Admira Fusion, the world’s first all-ceramic-based universal direct restorative. It represents the fusion of VOCO’s nano-hybrid technology with ORMOCER (ORganically MOdified CERamic) technology. As the world’s first nano-ORMOCER, Admira Fusion reportedly offers many advantages when compared to conventional composites, including up to 50 percent lower shrinkage and shrinkage stress, high esthetics and a new level of biocompatibility.

Admira Fusion x-tra
Admira Fusion x-tra is formulated as the first ever nano-ORMOCER through the “FUSION” of VOCO’s Nano-Hybrid and ORMOCER (ORganically MOdified CERamic) technologies. Its chemistry base is formed by silicon oxide, making up both the glass fillers as well as the ceramic resin matrix. It is said to offer up to 50 percent lower polymerization shrinkage (1.25 percent by volume) than conventional composites, as well as up to 50 percent lower shrinkage stress.

Ionolux
Ionolux is a new light-cured resin modified glass ionomer restorative. Benefits include composite-like esthetics; an ability to be condensed, shaped and sculpted immediately after application; non-stick handling; and improved physical properties for better longevity. This enables practitioners to offer a higher quality of care, especially for at-risk demographics such as the pediatric and geriatric populations. Ionolux is radiopaque and does not require the use of any adhesive or dentin conditioner, and comes in five shades that include A1, A2, A3, A3.5 and B1.

LOCATOR R-Tx
ZEST Anchors introduced the next-generation LOCATOR R-Tx Removable Attachment System. Building on 15 years of clinical experience with the award-winning LOCATOR®, it is said to be a better, simpler and stronger system that relies on the same restorative techniques as its predecessor.

CHAIRSIDE Soft Reline Material
This is a soft, silicone-based reline material for patients that require relief for full and partial maxillary and mandibular dentures. Ideal for immediate dentures following surgical procedures, it is tasteless, odorless and provides a secure long-lasting smooth finish that prevents contamination and odor. An auto-dispensing cartridge uses less material, allows for quick material preparation and has an efficient working time.
It’s All In
GOOD TASTE 😊
Now available across the United States

Lines™
Complete Solution for Potable Water Supplied Instrumentarium
- Reduces burnt smell and bad tastes
- Cleans and protects equipment
- Can replace instrument water source

Micrylrium
micrylrium.com

Interested? Circle Product Card No. 15
Top 5 test drives of 2016

Dr. Flucke, Chief Dental Editor and Technology Editor at DPR, breaks down the products that blew him away this year. [Dr. John Flucke]

Another year is almost at an end and you know what that means—it’s time for my annual list of my Top 5 Test Drives. Every year in the November/December time frame, I take time to review the products that I’ve had an opportunity to use or test over the past 12 months. The best five of this list make it into this article. These products have received hands-on usage by myself and my team, and have been the highest rated of the things we’ve gotten to use and try to break. So without further ado, let’s take a look at the best products I’ve seen in 2016.

Ultradent Gemini Laser
The Gemini diode laser is a device dripping with innovation. Even the packaging is an “experience,” as the materials and fabrication of the box and the component packaging have the feeling of an Apple-type product that has been well thought out from beginning to end.

Gemini is the industry’s first dual wavelength laser featuring the ability to use 810nm, 980nm or both wavelengths simultaneously. In addition to these unique features, the device also allows for super peak pulsing, which is a feature one usually expects to find in lasers with a much higher cost. It can develop as high as 20 Watts with the super peak pulses, which means the device cuts incredibly quickly but with minimal tissue tagging or collateral thermal interaction.

In addition to its clinical advantages, the Gemini also features an onboard rechargeable battery, cordless Bluetooth foot control and an extensive list of preset clinical procedures that can be edited to fit the user’s preferences. The tips are uni-dose and come in 5mm pre-initiated and 7mm uninitiated lengths.

The esthetics of the Gemini are sleek and breathtaking. The device is smooth and black for easy disinfection and features an attention grabbing heads-up display that never fails to impress the moment a patient lays eyes on it. Ultradent has taken the laser from utilitarian clinical hardware to operatory art. Put all of these features together with a competitive price and you have a true “raise the bar” product.

Futudent Glasses Mounted HD Camera
For years, I’ve had patients say something like “I wish there was a way I could watch what you are doing”. That is now a reality thanks to Futudent. However, the company’s focus is not on providing a way for patient’s to watch their treatment. No, Futudent is all about using their camera for education and co-diagnosis.

The Futudent HD Camera can be mounted in a variety of places. It can be attached to your glasses, worn on a headband or even on a hat (for the record, I work every day wearing a Kansas City Royals baseball hat and I clip my Futudent to the bill).

The great thing about this product is that it functions as a point-of-view device. By that I mean once you have it setup properly, it shows everything you see. This makes it ideal for being able to image things that are difficult or impossible to see using an intraoral camera. You can even see images intraorally using the dental mirror. The camera’s field of view is exactly your point of view, so that everywhere you look, the camera looks as well. This allows you to do a live tour of the mouth if you have an over the patient monitor, record the video for later review or take still photos of whatever you happen to be looking at.

The camera is very small and light (16 grams) so it doesn’t interfere with your comfort or your field of view while using it. A foot pedal controls the stop and start function of recording as well as taking the still photos. This allows it to function in a truly “hands free” mode which streamlines its use and doesn’t interrupt what you are doing with your hands. The video is captured at 25 frames per second, which is very smooth.

The recording software allows you to save the data anywhere you like, including the company’s HIPAA-compliant secure cloud server. The cloud storage also allows you to securely share the data with whomever you’d like: other doctors, the patient, etc.

It has been specifically designed for dentistry so its focal length is ideal, pretty much matching the focal length of your magnification. The depth of field was created with the mouth in mind. This means you don’t have to worry about keeping the image in focus or fighting the aggravating problems that come with cameras that auto focus and cannot produce crisp images much past the canines.

Patients have been very impressed with the camera and what we can do with it. This is truly proof of the old adage “good things come in small packages”.

DPR CHIEF DENTAL EDITOR AND TECHNOLOGY EDITOR DR. JOHN FLUCKE
is lucky enough to try numerous products in his operatories. Here are five he put to work in 2016 that left a lasting impression on him and have the potential to help just about any practice.

December 2016


**iTero Element Intraoral Scanner**

Digital scanners are making incredible inroads into our profession. My office moved over to the world of digital impressions about six years ago. Now we are down to about one analog (traditional) impression per month, and that is normally a crown under an existing partial denture. We started out with the original iTero scanner all those years ago and it quickly became a standard in our crown and bridge procedures.

We beta tested the next iTero version and while there were improvements over 1.0 we didn’t feel they were enough to justify the expense of purchasing the new unit. However, when the company shared confidential information with me on the Element Scanner while it was in development, I knew then and there I’d be the first in line for ordering.

We received the Element Scanner in the spring of this year and I held onto our original scanner in case of workflow issues in our two-doctor practice. I envisioned a situation of each doctor doing a crown prep at the same time and one patient having to wait because the scanner was in use.

I could not have been more wrong. The new iTero Element is so fast and so easy to use that our original iTero machine is so fast and so easy to use. My office moved over to the world of digital... (continued)

**Ultradent VALO Grand**

As I’ve said previously, we need more innovation from our dental R&D partners! There has been a noticeable decrease in the number of new and exciting technologies and the industry is hungry for them. With that being said, I’m proud of Ultradent for having two winners in the Top 5 Test Drives. The very, very smart folks in South Jordan, Utah have been on a roll this year!

The VALO line of curing lights debuted in 2009 and the LED market turned on its collective ear. Here was a curing light that was smaller than a SoniCare toothbrush and yet was capable of delivering the highest photon density the market had ever seen. Fast-forward to 2016 and Ultradent has once again proven they are a force to be reckoned with with the release of the VALO Grand. Simply put, this device raises the bar for every curing light on the market.

It is CNC-milled out of a solid piece of aerospace aluminum to make it incredibly strong and virtually indestructible in the dental environment. It is painted with a scratch-resistant sapphire-hard coating that is then covered with a Teflon seal for easy cleaning. This construction makes it remarkably strong and durable. It is powered by two lithium iron phosphate batteries that deliver consistently high-energy. Add to that the fact the batteries are inexpensive and available from a variety of sources (not just Ultradent).

However, the feature that truly sets this apart is the lens. The Grand has a curing surface of 12mm, which is 50 percent larger than other VALO lights. That means it can easily cover the entire occlusal surface of a 10mm more with room to spare. And it means no more multiple cures just to ensure the occlusal surface is properly photopolymerized.

It has proved itself in our practice and if you are looking for a new curing light, I feel it should be on your short list to evaluate.

**Drobo 5N**

If you are looking for a place to store all of your digital data, look no further than Drobo. The Drobo company has been making products for several years, but in 2016 they decided to enter the dental industry.

Drobo makes a variety of external hard drives for backing up and/or storing your data. However, they do it with a unique twist. Drobo devices contain multiple hard drives and store your information redundantly on all of the drives (like a server). Drobo solves the problem of a failed hard drive—if one of your hard drives fails, it can easily be replaced.

A light on the front of the device will indicate which drive has failed. You then simply open a door on the front, remove the failed drive (it simply slides out) and slide in a new hard drive. The Drobo device will then format the drive and begin using it—all done automatically. It is an amazingly simple process. The other great advantage is that Drobo uses a proprietary format so the hard drives can only be read in another Drobo device. This helps with security. Also, the hard drives used are the same standard hard drives found in PCs so getting a new one, if needed, is easy and inexpensive. The Drobo 5N that I am currently using has room for five drives. I chose to fill those slots with three Terabyte Western Digital hard drives, which means I now have 15 Terabytes of storage. That is an insane amount of space.

The other great thing about this particular model is the letter “N” in the name. It stands for “network” and means that the device is a “NAS” (network attached storage) which can be accessed by any computer on my network. The Drobo 5N has a gigabit Ethernet connection which allows it to deliver and receive data at the maximum speed of my network. They have also recently developed apps that allow you to access the device from your phone or tablet.

**Wrapping up**

The past year has been a fun one for me. I love staying on the leading edge and testing (and sometimes breaking) gear is something that I love to do. I hope that this list of my Top 5 for the year will help you as well. Happy Holidays! ●

December 2016 | DENTALPRODUCTSREPORT.COM | 29
Introducing the next generation of LOCATOR,®
The LOCATOR R-Tx™ Removable Attachment System – Combining improved design, system simplicity, and DuraTec™ Coating toughness.

*Excluding connections that utilize .048" hex drive mechanism. Please contact your implant company provider for more information.

©2016 ZEST Anchors LLC. All rights reserved. ZEST and LOCATOR are registered trademarks and DuraTec, LOCATOR R-Tx and R-Tx are trademarks of ZEST IP Holdings, LLC.
Experience the next generation LOCATOR R-Tx Removable Attachment System today! Please visit zestanchors.com/rtx, call us at 800.262.2310, or contact your implant manufacturer for more information.

Available NOW for leading implant systems.
9 of the scariest medical conditions with links to oral health
By Laura Dorr
There’s been a lot of buzz about oral systemic health in the news lately, and for good reason: A whole host of new discoveries have pinpointed that poor oral health is linked to some very serious medical conditions—and that treating oral health conditions could potentially serve as a preventative measure.

Go to http://bit.ly/2ePzKH7

A game changer: 2017 will bring a new CDT code for gingivitis
By Patti DiGangi RDH BS, Kara Vavrosky RDH
Your patient presents with inflamed, hemorrhagic gingiva, light to moderate subgingival calculus, light supragingival calculus on the mandibular lingual anteriors and generalized pseudo-pocketing. For all of the history of Current Dental Terminology (CDT) coding, there have been no truly accurate codes that can be used for the treatment this patient needs. In 2017, that story will change.

Go to http://bit.ly/2cR2V9c

From 1 to 50, the best and worst states to work in a dental practice
By The DPR Editorial Team
For many of us, we’re pretty partial to where we live and work. But is where you are right now a great place to work in a dental practice? Have you ever thought about that? We did, and we used a set of 10 “measuring sticks” to help us build our inaugural list of the best and worst states to work in a dental practice.

Go to http://bit.ly/2eoAZhS

Is the Associated Press right? Response to the AP regarding the benefits of flossing
By Kara Vavrosky, RDH
The Associated Press (AP) came out with a report stating there are no proven benefits to flossing. Working in dentistry, we know how important cleaning in interproximally is, not only for oral health, but for overall health.

Go to http://bit.ly/2awyZRe
G-CEM LinkForce™
DUAL-CURE ADHESIVE RESIN CEMENT

STRENGTH & ESTHETICS IN ONE SYSTEM

G-CEM LinkForce is a strong, esthetic, universal solution for all adhesive cementations. It is the ideal cement to use with all milling blocks, including CERASMART™. Four shades available in both cement and try-in paste. Excellent color stability and easy clean-up.

TOUCH of GENIUS™

- G-CEM LinkForce is a strong, esthetic, universal solution for all adhesive cementations.
- G-CEM LinkForce is the ideal cement to use with all milling blocks, including CERASMART™ Force Absorbing Hybrid CAD/CAM Blocks.
- Four shades available in both cement and try-in paste.
- Excellent color stability and easy clean-up.

Source: GCC R&D
†Not a registered trademark of GC America Inc.

Interested? Circle Product Card No. 17
The top 13 freakiest dental horror stories
By Laura Dorr

We polled our readers for their most outrageous stories ... and the responses did not disappoint. Ghosts are scary. Ghouls are scary. But these creepy apparitions have nothing on some of the terrifying things that happen in the dental practice.

Go to ➤ http://bit.ly/2egNY4D
Hu-Friedy's promise to help you perform at your best is at the core of everything we do, which is why we're proud to bring you the sharpest, longest lasting scaler on the market: EverEdge 2.0. Engineered to be better than ever, so you can be, too.

NOW FEATURING: PATTISON GRACEY LITE
Thinner shorter blades | Agile calculus removal | Access under tight tissue

By Anne W. Patterson, RDH, MS

Learn why EverEdge 2.0 is the solution for you at Hu-Friedy.com/Pattison

©2016 Hu-Friedy Mfg. Co., LLC. All rights reserved.

Interested? Circle Product Card No. 19
The latest fee data for 18 popular procedure codes
By Alitta Boechler, AuD, MBA

Keeping your fee schedules up-to-date is imperative to keeping your practice healthy. There are many important factors to take into account including geography, your patients, how you practice and data from other practices in your area. However, quality data on fees in your zip code can be challenging to find. Here’s some help.
Go to ★ http://bit.ly/2fjlhE1

Some of the worst infection control mistakes we’ve heard ... and why 2016 is the year to stop making them
By Tija Hunter, CDA, EFDA, CDIA, FADAA

Tija Hunter looks back on 2015: “I think about some of the people I’ve met, the places I’ve visited, and the things I’ve learned. Some of the things I’ve learned weren’t so good. In this day and age of OSHA, CDC and proper infection control procedures, I am appalled at some of the things dental assistants have shared with me.”
Go to ★ http://bit.ly/2tjN4E

10 ways to handle parents of your pediatric patients
By Brenda McNulty

Parents trust your office with their most prized possessions, and can often cause far more drama than the patients themselves. Your team should go to great lengths to connect with both the patients and their parents. A successful practice will take a parent’s perspective into consideration at every step of the treatment process. Here’s how you can make sure you’re ready.

Demystifying pain among women in dentistry
By Bethany Valachi, PT, MS, CEAS

The percentage of women pulling up chairside in the operatory is increasing. And studies show that women in dentistry experience a higher frequency and severity of pain than their male counterparts, with the thumbs, hands, hips, neck and shoulder being particularly problematic.
Go to ★ http://bit.ly/2eovHmN

The top 8 most embarrassing dentist/patient situations
By Lisa Newburger, LISW-S

There is tremendous pressure in running a successful practice. You have to have both business acumen as well as clinical expertise. This isn’t always so easy. Being the person ultimately responsible for everything going on in the practice, “the buck” has to stop somewhere. At times, some embarrassing issues have cropped up. We have stockpiled a few of them that some of our dentists have shared with us.
Go to ★ http://bit.ly/2UcIGN
AND THE
AWARD
GOES TO...

END OF THE YEAR SPECIAL

Sensors starting as low as
$2,999

Offer Expires December 30, 2016

Call (800) 403-1916
Want equipment now? Shop darby.com

From Chair Packages to Digital X-Ray and everything in between; Darby’s got you covered! With innovative products from leading manufacturers, knowledgeable equipment specialists, interest-free finance programs and hassle-free installation options, Darby offers a solution for all your equipment needs!

Call 888.395.1341 or visit darby.com/equipment

©2016, Darby Dental Supply, LLC

Shown here: Engle’s 360 Chair Package, Carestream’s CS 9300C, Tech West’s Whirlwind Liquid Ring Vacuum
5 reasons being a dental hygienist is harder than you might think
by Kara Vavrosky, RDH

“Oh, you’re a dental hygienist?! Don’t you just scrape on teeth? What an easy job you have!” Not so fast there!

Dental hygienists are often discounted in their role as healthcare professions by the public. Nor is the public aware of the schooling it takes to become a dental hygienist. Even further, many don’t understand how physically demanding dentistry is, despite the fact it looks like we are just sitting there.

Is the public entirely in the wrong for not knowing? To be fair, many of us don’t know what education it takes to be an electrician and what it takes to wire a house to code so it doesn’t burn down. So we shouldn’t expect everyone know all about the dental hygiene profession either. However, I’d like to help with that. Here are five reasons being a dental hygienist is harder than you might think.

Go to http://bit.ly/2eoTrEk

7 reasons to date or marry a dental hygienist
by Kara Vavrosky, RDH

Whether it’s Valentine’s Day or another day during the year, I’m here to show you some good reasons why a dental hygienist makes a perfect partner. Now, I may be biased because I’m a hygienist myself, but I think we make wonderful people to date and marry. Here are seven reasons why dating or marrying a dental hygienist means you’re with somebody who’s a step above!

Go to http://bit.ly/2Ijg2O

5 infection control mistakes you may be making and not even realize
by Kara Vavrosky, RDH

Are you and your office up to date on infection control protocols and required infection control training?

Just because you or your office has always done something a certain way doesn’t necessarily make it correct. Protocols and best practices are constantly changing. For the safety of our patients, and even ourselves as clinicians, reviewing infection control protocols needs to be at the forefront of our priorities. Here are five infection control mistakes you might be making without even realizing.

Go to http://bit.ly/2fJjg2O
5 more infection control mistakes you might not realize you’re making

by Kara Vavrosky, RDH

When it comes to dentistry, it’s easy to think what you are doing is current protocol because it’s the way your office has always done it.

Thinking this way can be a slippery slope, since protocols and best practices change as new research emerges. Infection control is no different. We take infection control seriously to keep ourselves and our patients safe, but are you taking all necessary precautions?

After writing the first article on infection control mistakes, I had an influx of more mistakes hygienists wanted me to address. So here are five more infection control mistakes you may be making and not even realize.

Go to http://bit.ly/2eZlc4t

---

2016 Annual State of Dental Hygiene survey: Part I

by Kara Vavrosky, RDH

With any profession, there are awesome aspects to the job, but also downfalls and points of concern. So what are hygienists thinking about the dental hygiene profession? To find out, and as a way to evaluate the state of the dental hygiene profession, Modern Hygienist conducted its first Annual State of Dental Hygiene survey.

This non-scientific, anonymous survey covered topics from the basics of hours worked per week and pay structure to factors that contribute to on-the-job stress, burn out and how often hygienists are allowed to replace their instruments. In this three-part series, we explore the survey results.

Go to http://bit.ly/2fXepy7

---

Interested? Circle Product Card No. 22
**Preparation rules for ceramic inlays and partial crowns**


In this video sponsored by Komet, watch a step-by-step instructional demonstrating the proper technique for forming ceramic inlays and partial crowns. The video features the use of the expert set 4562ST and sonic tips for the preparation of interproximal cavities. This animated video clearly shows each step, from the opening of the cavities to the filling. The 3D animation allows a close look at each drilling, providing you with the know-how you need to be successful. Each step is accompanied by a description of the tool used to achieve the desired result, as well as detailed written instruction for what exactly is being done. The advantage of the 3D animation is that it shows not only what to do, but also demonstrates what not to do and what mistakes can look like. With all this great instruction presented in such an easy-to-follow manner, you’ll become an expert in no time!

**The Affordable Care Act and its effect on dental practices**


Colleen Huff, FAADOM, sits down with us to talk about how the Affordable Care Act is affecting dental practices and the biggest mistakes that dental teams are making when it comes to the ACA. Colleen Huff has been involved with the dental field for almost 22 years and uses her expertise gained from managing to help you understand the Affordable Care Act. She explains that though there has been confusion for almost everyone, there will be those who are willing to learn about it and those who are not, and that will affect the bottom-line of those practices. The biggest mistake, she says, is to ignore it. This could lead to turning away customers that may be able to be helped, or it could mean not being able help patients to your full ability. To be a successful practice, you must avoid these mistakes.

**The CS 3600 intraoral scanner in action**


Carestream Dental came to the 2016 Chicago Midwinter Meeting to show its latest intraoral scanner, the CS 3600. Dental Products was there and recorded this video of the product in action. See for yourself the precision of the scanner. This demonstration showcases the quick capturing capabilities of the CS 3600 in real time. The great color rendering capabilities of the CS 3600 are also clearly shown. You can see the scanned teeth show up perfectly and quickly. This quick video will show you some of the improvements the CS3600 made to the CS3500. Learn how you could use this scanner in your practice today!

**How to use VOCO’s Admira Fusion Universal Light-Cured Nano-ORMOCER**


In this step-by-step how-to video, Marty Jablow, DMD, shows how to use VOCO’s Admira Fusion Universal Light-Cured Nano-ORMOCER. The material is said to set new standards in restorative dentistry with respect to materials science. Clear photographs make this how-to easy to follow. In this case study, the patient presents with a mandibular right first premolar with an open contact and a defective composite restoration. Through this scenario, you will see how easy it is to use this bonding agent, and learn everything you need to know to apply it in your practice. Dr. Marty Jablow makes it easy as he goes through each step clearly and succinctly; everything from how long to light cure to how to properly mix the bonding agent is shown to give you all the information you need.

**How Simplifeye and Dentrix are working together to help dental practices**


Simplifeye + the Apple Watch gives you a sixth sense about everything happening in your practice, letting you move effortlessly through your day. Learn more in our video from the California Dental Association South meeting and how the company is working with Dentrix. This new technology enables dentists to see instantly what patients are waiting, and allows the dentist to see, at a glance of their Apple Watch, who should be treated first in order to improve workflow. The Dentrix Connected program makes this all possible, and allows for a complete integration of all your front desk needs, from scheduling to returning phone-calls. One great feature is the ability to call patients from your personal phone without giving away your personal information. Learn how Simplifeye and Dentrix could streamline your office and help you provide the best patient care possible. Best of all, the install process is reportedly under 10 minutes and everything is automatically updated.
Join us in the world class city of Chicago FEBRUARY 23-25, 2017, for the 152nd CDS Midwinter Meeting. Now is the time to register and schedule your days for the 2017 meeting. The theme is Leadership: Cornerstone of Success and our meeting will feature more than 200 courses and over 700 exhibits. While attending, you can reconnect with your peers, see all that is fresh and new in the industry and update the skills you need to be a leader in your profession.

We’ve made it easier to bring your whole office, too, with incentives like Member Bring a Non-Member and 3=1 Free. Join CDS as an Associate Member for only $125 and register for the 2017 Midwinter Meeting for FREE. LEARN MORE AT ON.CDS.ORG/ACT17DPR.

CHICAGO DENTAL SOCIETY
THE RESPECTED LEADER IN SCIENTIFIC DENTAL MEETINGS®

Interested? Circle Product Card No. 23
THE WORLD’S MOST POWERFUL HANDPIECE, NOW AT THE LOWEST PRICE! DON’T MISS OUT!

Valid September 1 - December 31, 2016

NEW

TORNADO LK

$995 $2298

ORDER PROMOTIONAL ITEM CODE 1700565-16L (COUPLER INCLUDED)

www.bienair-tornado.com

• 30 Watts
• 55 dBA
• 4 asymmetrical mixed sprays
• Light

Exceptionally powerful: The TORNADO reaches an all time 30-watt high thanks to Bien-Air’s SteadyTorque™ technology.

Accu-Chuck PreciPlus™ An extremely efficient bur-fastening system authorizing vibration-less precision.

Accu-Spray Quattro Mix™ with LED illumination: For optimal cooling and unobscured lighting of the treatment site.

TRY TORNADO IN THE COMFORT OF YOUR PRACTICE

Call us at (800) 433-2436 or go to www.bienair-tornado.com and find out more about our 7-day free trial program

Interested? Circle Product Card No. 24
HAPPY HOLIDAY SAVINGS

Buy 2 Get 1

wonderfreeze Cooling Spray!

- Cools vacuum formed materials
- Cools denture teeth, wax areas, & metal finishings
- Cools crown work

Net Wt. 10 oz/283 g
Approx. Vol: 234 ml

$48.99
Net Wt. 1.13 kg
Item #510-0020-GKQ

$25.29
Item #510-0006-GKQ

wonderfill The EZ In & Out Tongue & Void Filler!

- 100 ct. Blue (Fine) #510-0020-GKQ - $50.99
- 100 ct. Black (Medium) #510-0021-GKQ - $50.99
- 100 ct. White (Course) #510-0017-GKQ - $50.99

$14.29
Net Wt. 10 oz/283 g
Approx. Vol: 234 ml

BUY 4 SASSY SILICONE MIXING CUPS GET 1 SASSY SILICONE MIXING CUP

Medium $6.99
Item #510-0061-GKQ

Large $14.29
Item #510-0062-GKQ

BUY 1 Z-SHINE KIT

$54.99
Item #510-0069-GKQ

GET 1 Z-DISC Zirconia Finishing Discs!

Box of 25 $18.49
Item #510-0065-GKQ

BUY 1 STAX PLUS KIT

$54.99
Item #510-0067-GKQ

GET 1 WONDER Z-RING KIT

Stax Plus $16.49
Item #510-0066-GKQ

Wonder Z-Ring $64.99
Item #510-0066-GKQ

OFFER EXPIRES DECEMBER 31, 2016: No charge goods shipped with order.

1-800-496-9500 www.zahndental.com

Interested? Circle Product Card No. 25
USE VOCO’S ADMIRA® FUSION UNIVERSAL LIGHT-CURED NANO-ORMOCER®

Dr. Marty Jablow presents a case using this direct restorative material.

Information provided by VOCO America, Inc.

**AN ORMOCER® IS AN ORGANICALLY MODIFIED CERAMIC.** It is a combination of inorganic (ceramic) and organic materials. ORMOCER®s are pre-polymerized molecular groupings that create unique properties within the resin matrix that translate to enhanced properties offered by the restorative material. They are very biocompatible because they have no residual monomers.

Admira Fusion is a nano-ORMOCER® direct restorative material. Using silicon oxide for the nano filler along with the glass ceramics, VOCO has achieved the world’s first all ceramic-based restorative material. Due to the high degree of cross-linking between the large pre-polymerized ORMOCER® groupings within the ORMOCER® resin matrix and the various silicon oxide-based glass filler particles, Admira Fusion’s nano-ORMOCER® technology offers enhanced physical properties that go well beyond what conventional modern composites have offered.

This all ceramic-based restorative has no classic monomers, BisGMA or other substances released during polymerization, making Admira Fusion very biocompatible. Using pre-polymerized materials within the composite resin reduces volume shrinkage to an extremely low 1.25 percent and reduces the shrinkage stress to 3.71 MPa.

With this low volume of stress, there is enhanced marginal integrity, and you will see longer-lasting restorations. Admira Fusion is 84 percent (w/w) filler, imparting an increased surface hardness and making the shades very stable and better able to withstand occlusal forces.

What are the indications for Admira Fusion? It can be used just about anywhere you would use a composite: simple Class I or II preparations, Class Vs, repairing porcelain veneer, or correcting defects in temporary crown and bridge material. It is easy to use and has a non-sticky consistency and great adaptation to the cavity walls when placed in standard 2 mm increments.

Not only can it be used in the same way as a universal composite, but Admira Fusion comes in 10 VITA® shades along with opaque dentin shades and four special shades for those unique situations. It takes a quick 20-second cure with a standard 500 mW/cm² curing light and 40 seconds for opaque shades. Take your time on those areas where sculpting is important, as you have more than three minutes before natural light will cure the material. Admira Fusion polishes quickly and simply to a high luster.

But, what about bulk-filling? VOCO has you covered there, too, using the same nano-ORMOCER® technology and incorporating it into an all ceramic-based bulk fill restorative material called Admira Fusion x-tra.

The restorative is easily placed as a base in deeper preparations to save time with the same low 1.25 percent volumetric shrinkage. This bulk-fill material allows the clinician reliable placement in 4 mm increments. It comes in a single universal dentin shade with a desirable chameleon effect, which you then have the option to cap off with the Admira Fusion creating a direct, bulk-filled, all-ceramic-based restoration.

**Case presentation**

**STEP 1** The patient presents with mandibular right first premolar with an open contact and a defective composite restoration (Fig. 1). The tooth was anesthetized using a Milestone STA machine (thewand.com) using buffered four percent Septocaine with a PDL injection. The tooth was isolated with a DMG Mini Dam and the composite and decay were removed (Fig. 2). A Triodent sectional tab matrix band was placed along with a white V-wedge. The V-Ring was placed to establish proper contact (Fig. 3).

**STEP 2** VOCO’s Futurabond U, a dual-cure universal adhesive in a single-dose delivery system (Fig. 4),...
**Most-Viewed How-Tos**

1. Mandibular right first premolar with an open contact and defective composite restoration.
2. Isolation with DMG Mini Dam and composite/decay removed.
3. V-Ring is placed.
4. VOCO Futurabond U is used.
5. The tab is pressed to activate the bonding agent.
6. Brush is used to perforate the foil.
7. Brush is used to mix the bonding agent.
8. Material is light cured for 20 seconds.
9. Bulk-fill layer is placed and light cured for 20 seconds.
10. Matrix removed and occlusion checked.
11. Restoration light cured for an additional 20 seconds.

**At a glance**

- Mandibular right first premolar with an open contact and defective composite restoration.
- Isolation with DMG Mini Dam and composite/decay removed.
- V-Ring is placed.
- VOCO Futurabond U is used.
- The tab is pressed to activate the bonding agent.
- Brush is used to perforate the foil.
- Brush is used to mix the bonding agent.
- Material is light cured for 20 seconds.
- Bulk-fill layer is placed and light cured for 20 seconds.
- Matrix removed and occlusion checked.
- Restoration light cured for an additional 20 seconds.

**VOCO Admira® Fusion**

- The world’s first all ceramic-based universal, direct restorative material.
- Contains almost two decades of intensive research and development.
- Fuses VOCO’s proven nano-hybrid and ORMOCER® technologies.

**GLASSIX plus**

- Radiopaque & light transmitting fiber post
- Optimal radiopacity (350% Al.)
- Twisted grooves for retention
- Elasticity close to dentin (20 GPa)
- High flexural strength (1500 MPa)
- 100% biocompatible; epoxy free

**LM Extraction Instruments**

- Ergonomic color coded handles
- LM-ErgoTouch non-slip surface
- LM-DuraGradeMAX supersteel
- LiftOut and SlimLift for gentle luxation extractions.
- TwistOut for when more force & torque is needed.

**X-treme Controlled Memory Endodontic Instruments**

- Follow the Right Path!
- Stronger than regular NiTi
- Returns to original shape during sterilization.
- No transportation, ledging or perforation.
- Available in hand & engine driven configurations.

**Visit us at**

- www.jsdental.com
- PO Box 904
- Ridgefield, CT 06877

**and much more...**

-感兴趣？圈产品卡号26
was chosen as the universal adhesive for this case. The bonding agent is activated by pressing on the tab (Fig. 5), forcing the liquids to combine within the package. The brush is used to perforate the foil and then mix the bonding agent (Figs. 6-7). The bonding agent is then applied homogeneously to all cavity surfaces and rubbed in for 20 seconds. The adhesive layer was dried with oil-free air for at least five seconds to remove any solvents. The adhesive layer was cured for 10 seconds using a curing light with a minimum output of >500 mW/cm². The cured adhesive layer should have a sheen to it after curing.

**STEP 03** The first layer was Gran-dioSO Flow, a nano-hybrid flowable restorative. A layer of less than 2 mm was syringed into the bottom of the Class II box along with the axial wall and pulpal floor. The material was then light cured for 20 seconds (Fig. 8).

**STEP 04** The next layer was Admira Fusion x-tra, a light-curing, radiopaque, nano-ORMOCER® direct restorative material. It is characterized by an increased depth of cure while at the same time showing reduced shrinkage stress, which means it can be cured in layers of 4 mm thickness. This bulk-fill layer was placed and light cured for 20 seconds (Fig. 9). The final layer was Admira Fusion a light-curing, radiopaque nano-ORMOCER® direct restorative material. The material was then light cured for 20 seconds.

**STEP 05** The matrix was removed (Fig. 10) and the occlusion was checked with articulating paper and adjusted. The final step was polishing the restoration. The restoration was then light cured for an additional 20 seconds from the buccal and lingual to ensure curing of the interproximal box completing the restoration (Fig. 11).

Admira Fusion and Admira Fusion x-tra are available in both syringes and caps for your favorite composite gun. They are compatible with all conventional bonding agents and provide for a simplified approach to direct ceramic-based restorations.

Admira Fusion sets new standards in restorative dentistry with respect to materials science, plus there is no new technique to learn. Now you have the option of placing all ceramic-based restorations chairside and in just the same straightforward way as you are accustomed to working with a good restorative composite.

**REFERENCE**
1. VITA is not a trademark of VOCO GmbH.

**ABOUT THE AUTHOR**
Dr. Marty Jablow is a clinician, speaker and author. He presents and publishes worldwide on many topics, including state-of-the-art dental technology and dental materials. He is president of Dental Technology Solutions, a lecture and consulting company. Dr. Jablow is an active member of the ADA, NJDA, Middlesex County Dental Association and has achieved fellowships in the AGD and International Academy of Dental Facial Esthetics. For more than 20 years, he has been a member of his local peer review and attended at the JFK Medical Center in Edison, New Jersey, where he worked with patients and trained residents. Visit his blog at dentechblog.blogspot.com.
Given my primary research interest in the area of dental materials—bonding, composite resins and esthetic dentistry—I’m always examining products with an eye toward simple techniques and patient-pleasing esthetic results. Recently, I was greatly impressed to discover a high-gloss finishing and polishing system that is effective for both anterior and posterior, direct and indirect restorations. The Sof-Lex™ Diamond Polishing System from 3M introduces a two-step approach that achieves a paste-like gloss with the convenience of a rubberized system. The flexible shape adapts to all tooth surfaces, producing a life-like, high-gloss finish for the dental restoration.

Used with Filtek™ Supreme Ultra Universal Restorative (3M), the polishing system delivered excellent results while maintaining the integrity and anatomy of the restoration. When a young patient presented with a small anterior diastema, mesial to the right lateral incisor (Fig. 1), I used Filtek Supreme Ultra restorative to close the diastema, then completed the case using the Sof-Lex diamond polishing system, delivering beautiful esthetic results with a high-gloss shine that greatly impressed the patient.

As a complete system, the Esthetic Restorative Solution from 3M combines the time-tested Filtek Supreme Ultra restorative with the new Sof-Lex diamond polishing system to impart a very natural-looking gloss in a technique that is kinder to gingival tissues when compared with conventional discs. It brings together the diamond paste-like polish in the convenience of a rubberized system, which I can appreciate in my practice.

Case Presentation
A young female patient presented, after orthodontic treatment, with a small anterior diastema, mesial to the right lateral incisor (Fig. 1). The patient’s main esthetic concern was to eliminate the space and increase the size of the lateral incisor. Additionally, to ensure optimal stability of the orthodontic treatment, proximal contact among all anterior teeth is desirable.

Step 01
Isolation with a rubber dam pushed the gingiva apically to provide accessibility to the cervical area and allowed me to create proper anatomical contour and emergence profile (Fig. 2).

Step 02
A mylar strip was used to protect the adjacent tooth from etching (Fig. 3). The mesial proximal, facial and lingual areas were etched. I prefer to use a selective-etch enamel technique with Scotch-bond™ Universal Adhesive from 3M to increase the bond strength.

Step 03
To prevent contact of the adhesive with the adjacent tooth, another mylar strip was placed and adhesive was applied for 30 seconds and dried for 30 seconds (Fig. 4).

Step 04
Filtek Supreme Ultra shade XWE was placed in two increments and each increment was light cured for 20 seconds. The first increment was placed over the facial aspect of

Also available from these and other fine dental dealers:
STEP 05 To begin the contouring and polishing process, the proper length was first established with a Sof-Lex™ XT Contouring Disc (3M). Second, an incisal–facial line angle was formed. Third, the mesio-facial line angle, as well as the incisal, facial and palatal embrasures were defined (Fig. 7).

STEP 06 Once contoured, the surface characterization of the adjacent teeth was copied onto the restoration using a fine diamond. In my experience, a speed of about 5,000 rpm using the diamond is ideal to create microanatomy.

Next, I utilized the Sof-Lex diamond polishing system, which consisted of two steps: a beige pre-polishing spiral (Fig. 8) that smoothed and removed scratches in the restoration to prepare the surface for high-gloss polishing; second, a pink diamond polishing spiral that imparted a smooth, high-gloss polish (Fig. 9). These spirals reached small crevices and easily adapted to all surfaces. Finally, the proximal surface was polished with finishing strips.

Upon finishing the restoration, the patient was very satisfied by the ideal contour, surface smoothness and life-like luster (Fig. 10).

STEP 07 The patient returned one week later for a final post-operative appointment (Fig. 11). She was still very satisfied with the final restoration.
How to create simple direct resin restorations

Two cases showing the exciting new possibilities in restorative dentistry.

In these cases from Dr. Gregori M. Kurtzman, the author uses products from Tokuyama Dental America for direct resin restorations. Advancement in both the adhesives and composites has improved the long-term success of these treatments. Additionally, these advancements allow easier, more simplified treatment while improving the esthetic results with fewer steps than with previous materials available.

For the full how-to, go to ➤ http://bit.ly/2eO15LL

The patent pending Prometheus™ Coupler provides bright LED light without the need or cost of traditional fiber optic systems. Simply connect the corresponding Prometheus™ Coupler to your favorite fiber optic handpiece (Star®, Kavo, NSK, Midwest® or fixed back) and eliminate the power supply, fiber optic hoses and installation. Enjoy bright LED light instantly for about the same price as a standard quick disconnect coupler.
**How to create an esthetic smile with smile design principles**

Utilizing these principles can provide highly esthetic results.

In this article, Dr. Ross Nash demonstrates smile design principles that can help in achieving esthetics in a smile. The patient was a young woman who had benefitted from porcelain veneer placement to achieve a better smile.


---

**How to color match with porcelain laminates**

One practitioner explains how he achieved superior color matching in laminate veneers through team treatment.

In this Clinical Insights technique by Dr. Ross Nash, he uses team treatment to achieve a superb color match with ceramic veneers that mimicked the appearance of the surrounding neighbors.

For the full how-to, go to [http://bit.ly/2f4T5RB](http://bit.ly/2f4T5RB)

---

Verifying the content of every case has never been easier.

More than 50 leading producers and suppliers of dental restorative materials now back up the quality, integrity and value of their products with certificates from the IdentAlloy/IdentCeram Council.

Provided free to labs and dentists, IdentAlloy and IdentCeram certificates confirm the composition and ADA classification of the restorative materials you’re using with patients.

Remember to ask your lab for the certificate attesting to the content of every case you order. Show the certificates to your patients. Keep them on file. And use them to make your own commitment to quality a matter of record.

Find out if the restorative materials you rely on are certified

IdentAlloy.org/verify

---

**Pink Band®**

Hard to contaminate. Easy to remove.

Silicone coating for easy removal.

“IMPROVES MOISTURE CONTROL”*

NEW LOW PRICE!

Only $1.27 per band . . . and each contamination case it prevents saves you over $100!

Available in all sizes!

847-260-8330

Order online @ www.PinkBand.com

*Reference: The Dental Advisor – Vol. 30 Issue 08, October 2013


“IMPROVES MOISTURE CONTROL”*
These e-books were chosen based on how many downloads they had throughout the course of 2016, demonstrating what dentists found essential to their practices.

[PELTON & CRANE]

Five thing you need to know about staying healthy in your practice

Dentistry might seem like a harmless job, but it is really one of the more dangerous. Dr. Desirée Walker, DDS, a two-time American Ninja Warrior Athlete, offers five things that dentists can do to keep themselves healthy and pain-free in this e-book. (http://bit.ly/2fX0tEj)

[A good night’s rest]

An increased focus on the treatment of obstructive sleep apnea could have big benefits for patients. In this helpful resource, John Flucke, DDS, describes his journey diagnosing and treating his obstructive sleep apnea. (http://bit.ly/2fDvMA9)

[CAO GROUP]

6 things you need to know about whitening

Offering whitening products and services in your practice can benefit you and your patients. Since whitening is both a product and service, providing both at your practice gives patients the flexibility that they want with the results that they need. This e-book will tell you what you need to know about the exciting world of whitening. (http://bit.ly/2fduwC)

[INSTUMENTARIUM]

5 lesser-known tips for better implant case acceptance

Most dentists don’t enter the field of dentistry to “sell cases.” As a second generation dentist, Dr. Eduardo Marcuschamer fell in love with the clinical aspects of the profession—particularly periodontics and dental implants. However, becoming motivated about communication and leadership has been the key to better case acceptance in his practice. He shares five lesser-known tips to help you improve case acceptance. (http://bit.ly/2flsJaF)

[I-CAT]

A good night’s rest

An increased focus on the treatment of obstructive sleep apnea could have big benefits for patients. In this helpful resource, John Flucke, DDS, describes his journey diagnosing and treating his obstructive sleep apnea. (http://bit.ly/2fDvMA9)

[KAVO]

5 things you need to know about ergonomics

Ergonomics are critically important for your success and your safety. By ignoring your own comfort, you flirt with long-term damage. This e-book gives you the five things you need to know about ergonomics. (http://bit.ly/2fX0tEj)
Remodeling your practice product by product the “Thera” Way.

TheraCal LC®
Resin-Modified Calcium Silicate Pulp Protectant/Liner

BISCO
cement has arrived...

INTRODUCTORY OFFER
BUY 1 TheraCem, GET 1 FREE*
Offer expires: 1/15/17   Promo code: 16A12

To order call: 1-800-247-3368

* U.S. customers only. Discount cannot be combined with any other offer.
These free webinars bring education and expertise straight from the experts to your computer screen.

[STRATASYS]

How 3D printing can REALLY help the dental lab
This is an exciting time for dental fabrication. A panel of experts helps viewers learn what decisions dental laboratories need to be making as they move into the future. (http://bit.ly/2tqGI3D)

[SUNSTAR]

Kara RDH reveals how to increase patient compliance with floss alternatives
With recent news reports questioning the effectiveness of flossing, it’s more important than ever to teach patients proper flossing techniques and show them the various alternatives to traditional string floss that can increase patient compliance. (http://bit.ly/2g2FDCK)

[SUNSTAR]

Why interdental brushes are a great floss alternative
Many alternatives to string floss exist, but what is best for your patients? In this online presentation, Kara RDH takes interdental brushes head-to-head with some popular flossing options and breaks down the pros and cons of each. (http://bit.ly/2eom33C)

[PELTON & CRANE]

6 essential elements of a flawless practice launch
Be it starting a new practice, adding a second location, expanding or renovating an existing location, or making a practice acquisition, an organized, multifaceted marketing plan is critical to begin your ROI. (http://bit.ly/2g2PcJ)

[PLANMECA]

The top 7 practical solutions for digital dentistry
CAD/CAM dentistry is changing the dental industry. Discover how digital dentistry can improve the profitability of your practice. Join Dr. Mike Moroni in this webinar to learn the formula for successful same-day restorative dentistry. (http://bit.ly/2fz2NH)

[A DEEPER LOOK INTO INTERDENTAL BRUSHES]

Kara Vavrosky RDH
October 28, 2016

Increasing Patient Compliance with Floss Alternatives
Kara Vavrosky, RDH
September 21, 2016

Planmeca

SUNSTAR

Stratasys

Pelton & Crane
Citanest® Forte Dental (pilocaine and epinephrine injection, USP) 4% injection with epinephrine 1:200,000

4% Citanest Plain Dental (pilocaine hydrochloride injection, USP)

BRIEF SUMMARY [See Package Insert for Full Prescribing Information]

USE
Citanest® Forte Dental and 4% Citanest Plain Dental are indicated for the production of local anesthesia in dentistry by nerve block or infiltration techniques.

CONTRAINDICATIONS
Pilocaine is contraindicated in patients with known history of hypersensitivity to amide type local anesthetics and in patients with congenital or idiopathic methemoglobinemia.

WARNINGS
PRACTITIONERS WHO USE LOCAL ANESTHETICS SHOULD BE WELL INFORMED IN DIAGNOSIS AND MANAGEMENT OF EMERGENCIES THAT MAY ARISE FROM THEIR USE. RESUSCITATIVE EQUIPMENT, OXYGEN AND OTHER RESUSCITATIVE DRUGS SHOULD BE AVAILABLE FOR IMMEDIATE USE. To minimize the likelihood of intravascular injection, resuscitation equipment, oxygen and other resuscitative drugs should be available for immediate use (see WARNINGS).

Methemoglobinemia: Pilocaine has been associated with methemoglobinemia. Very young patients, patients with congenital or idiopathic methemoglobinemia, or patients with glucose-6-phosphate dehydrogenase deficiencies are at increased risk of methemoglobinemia. Patients using drugs associated with methemoglobinemia (e.g., sulfonamides, acetaminoen, acetanilid, aniline dyes, benzocaine, chloroquine, disopropyl, naphtalene, nitrites and nitrofurans, nitroglycerin, nitroprusside, paramethoxy, para-amino-maleic acid, phenacetin, phenothalins, phentolamine, primquine and quinine) are at greater risk.

PRECAUTIONS
General: Pilocaine’s safety and effectiveness depend on proper dosage, correct technique, adequate precautions, and readiness for emergency procedures. Resuscitative equipment, oxygen and other resuscitative drugs should be available for immediate use (see WARNINGS). The lowest dose that results in effective anesthesia should be used to avoid high plasma levels and serious adverse effects. Repeated doses of pilocaine may cause significant increases in blood levels with each repeated dose because of slow accumulation of the drug or its metabolites. Tolerance to elevated blood levels varies with the status of the patient. Patients that are debilitated, elderly, acutely ill, and children should be given reduced doses commensurate with age and physical status. Pilocaine should be used with caution in those with severe shock or heart block.

Local anesthetic injections containing a vasoconstrictor should be used cautiously in areas of the body supplied by end arteries or having compromised blood supply. Patients with peripheral vascular disease and those with hypervascular disease may exhibit exaggerated vasoconstrictor response.

Ischemic injury or necrosis may result. Preparations containing a vasoconstrictor (Citanest® Forte Dental) should be used with caution during or after administration of potent general anesthetics, since cardiac arrhythmias may occur.

Cardiovascular and respiratory (acclimation of ventilation) vital signs and the patient’s state of consciousness should be monitored after each local anesthetic injection. Restlessness, anxiety, dizziness, blurred vision, tremors, depression or drowsiness should alert the practitioner to the possibility of central nervous system toxicity. Signs and symptoms of depressed cardiovascular function may result from a vasovagal reaction; particularly if the patient is in an upright position (see ADVERSE REACTIONS, Cardiovascular System).

Since amide-type local anesthetics are metabolized by the liver, pilocaine should be used with caution in patients with hepatic disease. Patients with severe hepatic disease, because of their inability to metabolize local anesthetics normally, are at greater risk of developing toxic plasma concentrations. Pilocaine should be used with caution in patients with impaired cardiovascular function since they may be less able to compartment for functional changes associated with the prolongation of A-V conduction produced by these drugs.

Many drugs used during the conduct of anesthesia are potential triggering agents for familial malignant hyperthermia. Since it is not known whether amide-type local anesthetics may trigger this reaction and since the need for supplemental anesthesia cannot be predicted with accuracy, it is recommended that a standard protocol similar to those observed with other amide local anesthetics. These adverse experiences are generally dose-related and may result from high plasma levels caused by excessive dosage, rapid absorption or unintentional intravascular injection, or may result from patient hypersensitivity, diminished tolerance. Serious adverse experiences are generally systemic in nature. The following types are those most commonly reported:

Central Nervous System: CNS manifestations are excitatory and may be associated with light-headedness, dizziness, apprehension, euphoria, confusion, dizziness, drowsiness, tinnitus, blurred or double vision, vomiting, sensations of heat, cold or numbness, twitching, tremors, convulsions, unconsciousness, respiratory depression, and arrest. Excitatory manifestations may be evident by the onset of delirium, hallucinations, and in some cases may be lethal. The first manifestation of toxicity may be drowsiness merging into unconsciousness and respiratory arrest. Drowsiness after administration of pilocaine is usually an early sign of a high blood level of the drug and may occur as a consequence of rapid absorption.

Cardiovascular System: Cardiocascular manifestations are usually depressant and characterized by bradycardia, hypotension and cardiovascular collapse, which may lead to cardiac arrest. Signs and symptoms of depressed cardiovascular function may commonly result from a vasovagal reaction, particularly if the patient is in an upright position. Less commonly, they may result from a direct effect of the drug. Failure to recognize the premonitory signs (e.g., sweating, a feeling of faintness, changes in pulse or sensorn) may result in progressive cerebral hypoxia and seizures or cardiovascular collapse. Management of the patient in the recumbent position and ventilation with oxygen, supportive treatment of circulatory depression may require administration of intravenous fluids, and, when appropriate, at a presoric, eponym ephedrine, as directed by the clinical situation.

Allergic: Allergic reactions are characterized by cutaneous lesions, urticaria, eczema or anaphylactoid reactions. Allergic reactions as a result of sensitivity to pilocaine are extremely rare and, if they occur, should be managed by conventional means.

Neurological: Persistent psychomotor deficit associated with the use of local anesthetics may be related to the technique used, the total dose administered, the particular drug, the route of administration, and the physical condition of the patient.

OVERDOSAGE Acute emergencies from local anesthetics are generally related to high plasma levels encountered during therapeutic use of local anesthetics (see WARNINGS, PRECAUTIONS, and ADVERSE REACTIONS).

Management of Local Anesthetic Emergencies: The first consideration is prevention, best accomplished by careful and consistent results of an intravascular and respiratory problems in the region of consciousness after each local anesthetic injection.

At the first sign of change, oxygen should be administered. The first step in the management of convulsions is immediately attending to the maintenance of a patent airway and assisted or controlled ventilation with oxygen and air. The patient is then placed in a position capable of permitting immediate passive airway pressure by mask. Immediately after the institution of these ventilatory measures, the adequacy of the circulation should be evaluated. Should convulsions persist despite adequate respiratory support, and if the status of the circulation permits, synchronised cardioversion (i.e., 500 joules) should be considered. If not treated immediately, both convulsions and cardiovascular depression can result in hypoxia, acidosis, bradycardia, arrhythmias and cardiac arrest. If cardiac arrest occurs, standard cardiopulmonary resuscitation techniques should be instituted immediately. Endotracheal intubation, employing drugs and techniques familiar to the clinician, may be indicated, after initial administration of oxygen by mask, if difficulty is encountered in the maintenance of a patent airway or if prolonged ventilatory support (assisted or controlled) is indicated. Analysis of Mg/kg by intravenous bolus of Mg/kg over 5 minutes.
DENTAL SUPPLIES

I’m so relieved that I didn’t have to suffer until our appointment.

Don’t Let Life’s Little Dental Problems Ruin Your Patients’ Day!
Satisfaction Always Guaranteed.

© 2016 Majestic Drug Co., Inc. | P.O. Box 490, South Fallsburg, NY 12779
800.238.0220 | custserv@majesticdrug.com | www.majesticdrug.com

FINANCIAL SERVICES

PROTECT YOUR BUSINESS BECOME EMV READY

Be ready to accept Apple Pay.

- FREE Placement, Credit Card Terminal
  Wireless / Land Line / High Speed / Dial-Up
- Easy Setup - Quick Approval
- Integrate with your current POS
- Free Paper**
- No set-up fee
- Check Services Available
- NAB will reimburse your business up to $295** if you have an early termination fee with your current processor

WHOLESALE RATES INTERCHANGE % RATES AS LOW AS 0.05%

NEXT DAY FUNDING AVAILABLE

ENROLL NOW - CALL A SPECIALIST TODAY!
866-481-4604

www.nynab.com

Search for the company name you see in each of the ads in this section for FREE INFORMATION!
Dental Supplies Carry Case - Vinyl and see through dental carrying case for toothbrush, and accessories. Comes with or without Business card holder. Assorted colors on top with zip lock. Great to promote your business with.

Item No. DENCSC - with Card Holder
Item No. DENCAS - without Card Holder

48 pcs/box, 6 boxes/case case of 300 pcs

Contents not part of the product. For display only.

Barrier Film for Keyboard - Disposable & Versatile, and protect surface areas such as keyboard from cross contamination. Self adhesive, durable, and do not leave any residue. Dispense from slot or plastic stand. 300 sheets per roll, each sheet size 20" x 8"

Item No. PCBF09 - Clear Film
1 roll each box

Visit our Website and order direct:
http://www.healthguardproductcenter.com
For hundreds of more items

UPHOLSTERY

You can now order online 24/7 and view our catalog through our website www.superiorupholstery.com

We can make your Dental Chairs look brand new!

Call us Toll-Free! 1-800-548-7282

Upholstery Kits starting at $575!

Custom Replacement Kits
Relaxor Massage System
Memory Foam • UltraLeather

Plush Style
(ADEC 1040)

Content Licensing for Every Marketing Strategy

Marketing solutions fit for:
Outdoor | Direct Mail | Print Advertising
 Tradeshow/POP Displays | Social Media | Radio & TV

Leverage branded content from Dental Products Report to create a more powerful and sophisticated statement about your product, service, or company in your next marketing campaign. Contact Wright’s Media to find out more about how we can customize your acknowledgements and recognitions to enhance your marketing strategies.

For information, call Wright’s Media at 877.652.5295 or visit our website at www.wrightsmedia.com

Search for the company name you see in each of the ads in this section for FREE INFORMATION!
The first step toward going paperless

How to choose and implement the practice management software you need to position your practice to succeed in the digital transition.

by Patterson Dental

With advancements in clinical and practice management technology, questions about the Affordable Care Act and Electronic Health Records (EHR) regulations, and increasing demands for efficiency in dental practices, the questions of what it means to go paperless—and how to achieve that goal—are more relevant today than ever before.

Determining how to approach the shift to a paperless practice can be complex, but it all starts with selecting the right practice management software.

Assess your most important piece of technology: PM software

In the not-too-distant past, practice management software was essentially a fancy calendar and filing system. And for many practices, that’s where software utilization stopped. In reality, today’s best software systems are powerful tools that integrate clinical and front-office functions into a seamless workflow that not only saves time, energy and expense, but actively creates new opportunities for improved patient care and practice profitability.

As the central nervous system of your practice, your software has to be able to communicate with all the different technological aspects of what you do—from charting to marketing. Anything less forces you (or a team member) to do more work manually, inputting data or running analysis through multiple systems instead of one. If one of the main benefits of going paperless is a more efficient workflow, then make sure the system you choose has the features you need to achieve that efficiency. Here are the features to look for and the questions to ask when considering a new software system:

Power and Flexibility

It’s important that your system provides the features you need and can adapt to your workflow and grow with your practice. Historically, one of the biggest complaints about practice management software was that it forced practice administrators—and entire practices—to shift their workflow to meet the requirements of the software.

Today, systems such as Eaglesoft 18 from Patterson Dental allow you to customize the software to match your workflow. This is a crucial feature and one that is well worth the investment in a premium system.

Support and Partnership

Just as you want a software system that can change and adapt with your needs, you also need a system that is backed by people who are focused on staying ahead of—and delivering solutions for—the rapid changes shaping modern dental practices.

From technological advancements to government regulations and insurance restrictions, the demands on a dental practice sometimes seem to change on a daily basis. Partnering with a technology provider that’s focused on predicting and solving these problems for you means you can focus on what matters—serving your patients and running a profitable practice. It’s difficult to put a price on the peace of mind that comes from knowing you have a dedicated support team working to keep you ahead of the changes. The best technology providers continuously research and upgrade their systems to address changing needs, and they consistently deliver innovative solutions that give you new ways to serve your patients and measure and manage your business.

Ease of use

This is a no-brainer. Your practice management system is the heart of your practice that will be used in different ways by all team members. You want it to be powerful, flexible and, above all, easy to use.

But, sometimes, achieving seamless simplicity is complicated.

The best systems are built by companies that actively innovate and don’t rely on patching together third-party solutions. These systems are built on a foundation of intuitive design and simple integration. They make it easy to follow the patient’s progress from initial contact through post-visit follow-up and prescheduling. They seamlessly integrate with clinical tools like digital radiography. They provide anytime/anywhere access to the information you need. They provide a single patient record that can be accessed and updated by each staff member according to his or her specific role. They are simple for a new hire to learn, and they provide clear paths and resources to improve team members’ utilization of advanced features.

This may be the single most important consideration in your decision, because the most powerful tools are worthless if you don’t use them to their fullest ability. And if they are difficult to use, you will not use them. Never choose a practice management system without a thorough live demonstration of the software, and never take a live demo when you and your staff are distracted by other things. This is an important decision, and one that deserves your team’s full attention.
Proud Chartbreaker.
Eaglesoft’s Charting Module instantly ends your frustrating relationship with paper charts, and brings your practice to a new level.

EXPERIENCE TOOTH AND PERIO CHARTING, CLINICAL NOTES AND COMPREHENSIVE PATIENT IMAGES IN A SINGLE, DIGITAL PATIENT RECORD.

Streamline your patient information to enhance your practice. Call the Patterson Technology Center at 800.294.8504 to learn more today.

WWW.EAGLESOFT.NET

Interested? Circle Product Card No. 34
Great Handling, Better Esthetics, Higher Fluoride Release

- Fast set time saves valuable chair time
- Does not stick to instrument for ease of application
- Two stage consistency for easy adaptation yet still packable
- Tooth-like fluorescence and high translucency for better esthetics
- Excellent physical properties support long-lasting restorations
- High fluoride release minimizes secondary caries
- No dentin conditioner or adhesive needed
- New Direct Activation Application Capsule fits other brand's applicators

**Ionostar® Plus**

Fast-set Glass Ionomer Restorative

**GI Restorative Fluoride Release**

<table>
<thead>
<tr>
<th>Time (hrs)</th>
<th>IonoStar® Plus (VOCO)</th>
<th>Fuji IX (GC America)</th>
<th>Ketac Molar (3M)</th>
<th>Chemfill Rock (Dentsply)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>6</td>
<td>2.50</td>
<td>5.00</td>
<td>10.00</td>
<td>15.00</td>
</tr>
<tr>
<td>12</td>
<td>5.00</td>
<td>10.00</td>
<td>20.00</td>
<td>30.00</td>
</tr>
<tr>
<td>24</td>
<td>15.00</td>
<td>30.00</td>
<td>50.00</td>
<td>75.00</td>
</tr>
<tr>
<td>72</td>
<td>25.00</td>
<td>75.00</td>
<td>125.00</td>
<td>187.50</td>
</tr>
</tbody>
</table>

Tufts University School of Dental Medicine – March 2016

Interested? Circle Product Card No. 35
PREMIUM REMOVABLE SERVICES
with a Personal Touch!

Vitallium 2000® Plus Partial Denture Complete (teeth included) $402/partial

DAL Full Denture Complete
Includes Articulation, Setup, Ivocap Injection Process, ID Name w/Portrait™ IPN® Teeth $382/arch

Valplast™ or DuraFlex™ Flexible Partial Denture Complete (teeth included) $279/partial

As your premium removable laboratory, we provide personalized service with dependable, fast delivery!
Over the last 82 years, Dental Arts Laboratories, Inc. has built one of the most respected service-driven removable laboratories in the dental industry. Our full, partial and combination departments provide you and your patients with removable restorations that function well, fit comfortably and enhance the patient’s appearance. Plus, when you choose DAL, you can be assured that all of our cases are fabricated entirely in our laboratories located in the United States using FDA registered materials.

Experience The Difference!
Save $50 on your next case with DAL!

- DuraFlex Flexible Partial Denture
- Valplast Flexible Partial Denture
- Vitallium 2000 Plus Partial Denture
- Full Denture

Call us today at 1.800.227.4142!
The Corporate Takeover of Dentistry EXPOSED!
“Free Report Reveals How To STOP The Corporate Dental Giants From Stealing ALL Your Best Patients (they are implementing a nationwide plan RIGHT NOW to do just that) and KILLING Your Practice”

Exclusive FREE REPORT reveals the TRUE intent of the corporate giants gobbling up independent practices... The REAL threat they pose that not one dentist in 1000 is ready for... If you don’t want to end up being a $100k employee and don’t want your family to require a DRAMATIC downsize You MUST read this FREE report...

Here’s what you’ll see EXPOSED in this FREE REPORT & CD...

• Aside from complete obliteration of all independent/solo dental practices... what is Corporate Dentistry’s REAL long term objective?

• Where most independent/solo practices are MOST vulnerable to corporate dental marketing practices.... And how to shut their best efforts down in YOUR area.

• The #1 tool you can use to make your practice BULLET PROOF to any efforts the corporate dental powers make to steal your patients.

• The ONLY way to attract the type of patient who would NEVER betray and leave you for a lower price at a corporate dental office.

• And much, much more...

HURRY!! There are only 50-37 copies of this REPORT & CD available. Claim yours now.

WHAT SHOULD I DO NOW?
1 Fill out this card and mail it
2 Fax this page to (510) 201-6529
3 Visit www.CorporateDentalDefense.com

Get INSTANT ACCESS to Your Report By Entering Email Here

Name
Address
City State Zip
Office Phone

*your email will be held in the strictest of confidence*
The Corporate Takeover of Dentistry Exposed!

Read what people are saying!

Our satisfied clients say it all...

“Corporate Giants? Ha! Believe me -- I don’t lose any sleep. As soon as I discovered this tool, I stopped worrying because I knew that both my practice and I are 100% protected.”

-Dr. Kevin Flood, DDS

“This training was unbelievably valuable. I feel like I can relax -- the ‘big, bad corporate dentists’ are no longer a threat because of what I now know. You NEED this training if you want to stand a chance and stay in business.”

-Dr. Eric Compton, DDS, Indiana