



2018 Volume 1

The quarterly newsletter of
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PLEASE NOTE

**D&S Dental Laboratory
Will Be Closed the
Following Dates**

May 28 Memorial Day

July 4 Fourth of July

Sept. 3 Labor Day

Nov. 22-23 Thanksgiving

Dec. 24-25 Christmas

INCISAL EDGE

New Metal-Free RPD: Ultaire™ AKP



Q: What is Ultaire™ AKP?

A: Ultaire™ AKP is an innovative high-performance polymer for RPDs. It's a metal-free, comfortable, lightweight, and aesthetically pleasing alternative to metal frames. Ultaire™ AKP RPDs are biocompatible, non-corrosive, non-toxic and non-irritating with no metallic taste.

Q: What are some of the benefits for dentists?

A: Because Ultaire™ AKP RPDs are designed within the CAD/CAM digital workflow, they are custom fit to each patient. For dentists, this means they'll see a secure fit with minimal fitting sessions and adjustments needed. In addition, dentists may see improved patient comfort and compliance and higher patient satisfaction.

Q: What are the design specifications for Ultaire™ AKP?

A: Since Ultaire™ AKP is slightly thicker than metal, we've found that the marginal ridge and rest preps need to be at least 1.5mm deep. Solvay has developed a clasp design specifically for this material, which allows shorter and thicker clasps to be used. We can not use vertical projection or embrasure type clasps that cross the occlusal surface.

Q: Is this like Duraflex or other flexible products on the market?

A: No, Ultaire™ AKP isn't a flexible. It's a paradigm shifting polymer that is rigid enough to be a metal replacement.

Q: How strong is the material?

A: Ultaire™ AKP has strength characteristics that surpass those of acrylics and acetals on the market today. The material is strong enough to be tooth supported but flexible enough to engage undercuts more deeply. Ultaire™ AKP is specifically designed to be supportive and have a long lifetime, with bench strength well over 10 years with normal insertion and removal.

Q: Can you tell us a little about the material manufacturer Solvay Dental 360™?

A: Solvay Dental 360™ is part of the global company Solvay, a world leader in metal-replacing materials in the healthcare industry. With over 35 brands available in more than 1,500 formulations, Solvay has the broadest portfolio of high-performance healthcare polymers in the world. They bring more than 150 years of expertise and innovation to the dental industry.

Q: How can dentists get started with Ultaire™ AKP RPDs?

A: To submit a case, check the Ultaire™ AKP box on our RX form under Partial Dentures. Call Anna with any questions.

See product spotlight on page 2 for additional information.



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PRODUCT SPOTLIGHT

Ultaire™ AKP
Metal-Free RPD



- Innovative, high performance polymer
- No metallic taste or sensitivity
- Lightweight and biocompatible
- Digitally designed for a precise fit
- An esthetically superior option with no visible metal
- Easier on existing teeth



WDA Mission of Mercy
WISCONSIN DENTAL ASSOCIATION FOUNDATION

Mark Your Calendar for Mission of Mercy

The Wisconsin Mission of Mercy will be held June 22-23, 2018 in Milwaukee at the Exposition Center at Wisconsin State Fair Park. The last MOM event in 2016 provided more than 1,000 children and adults with care valued at almost \$1 million. MOM events provide free, critical dental care with a high priority on treating patients in pain and with infections. The event also helps raise public awareness of the barriers to dental care faced by low-income adults and children.

Hundreds of volunteers are needed to make MOM a success. If you're interested in volunteering your time, registration will open mid-March at www.wda.org or contact cshoemaker@wda.org. D&S is proud to have served as the lead lab the past five years, donating its time, equipment and materials. If you or your organization would prefer to make a tax-deductible contribution, please contact vbohman@wda.org for more information.



2018 CE Seminar Schedule

We are working on our 2018 Spring CE Schedule. Visit www.dnsdental.com/events for updates or send your email address to jengeseth@dnsdental.com to receive email updates.



SAVE THE DATE

D&S Annual Golf Outing
Friday, August 10, 2018 | Beloit Country Club



CLINICIAN'S TIP



Impression Taking Tips

By Dr. Joel Hartjes, Hartjes Dental Associates LLC

When D&S Dental Laboratory asked me to write up a step-by-step note on how I manage to get consistently readable impressions, I wasn't sure what I would write or what I do differently than anyone else, but here is my technique and the materials that work best in my hands.

I try to keep my initial marginal preparation at the gingival crest or supragingival. One of my assistants then takes over and packs two stacked retraction cords around the tooth, leaving a short tail on the second one for easy removal. They first gently pack a #0E Gingibraid cord to the depth of the sulcus. This is followed by a #1E Gingibraid cord packed on top of the #0 cord where possible (some areas of extreme health or buccal recession will not allow the #1 cord to be packed). We sometimes will use Hemodent (Premier) on the cord, but this is often not necessary. One must remember to be careful with the use of racemic epinephrine impregnated cord in medically compromised patients. We may also use Access Edge retraction paste by Centrix if additional hemostasis or retraction is needed. It should be noted that the retraction cord must be handled with latex-free gloves or the setting of the impression material in the sulcus may be compromised. (Does anyone still use latex gloves??) The cords are left in place for five minutes. The #1 cord is then wetted and removed. At this point, I normally refine my margin preparation and drop it to the level of the newly retracted tissue, creating an obvious continuous, circumferential chamfer finish line, being careful not to abrade the tissue.

My impression is taken using Virtual XD from Ivoclar Vivadent. I use light-body material with an Intra Oral Tip from Benco on the mixing tip of the gun while my assistant loads a triple-tray with Virtual XD heavy-body material. If there is some blood or saliva around the preparation, the Virtual XD seems to displace it well. The material is allowed to set and the impression is removed, rinsed and dried for inspection. If the finish line is not totally visible, another impression is taken immediately as the tissue will start to rebound quickly. There is NO compromise in this step. If I can't see the margin completely, it will not show up on the model and the case will be less than ideal. I have a soft tissue laser but I rarely need to use it because this technique is so predictable. One of the main keys for success is careful packing of the retraction cord. My assistants accomplish this very well!



Optimal Implant Esthetics: A Predictable Road Map

No two subjects have impacted the general practitioner in the last two decades more than esthetic and implant dentistry. Dentistry has witnessed tremendous advancement in both disciplines. Advancement in dental materials, technology, clinical techniques, surgical protocols, implant designs and laboratory support has created realistic patient care that often exceeds most expectations. The increased level of sophistication, however, has brought with it a significant responsibility for dentists to acquire the necessary knowledge to deliver esthetic and implant treatment at the highest level.

This program, presented by Dr. Brent Ludens, DDS, is not only designed to reinforce the basic concepts of esthetic and implant dentistry, but more importantly it is intended to expand on the next level of treatment sophistication. Utilizing real case studies, this course delivers a detailed approach to diagnosing, treatment planning, case presentation, professional communication, material selection and delivery of treatment.

For additional program information, visit dnsdental.com/ludens.

Sponsored by Nobel Biocare.

Friday, March 2, 2018
8:00 a.m. – 3:30 p.m.

SCHEDULE

8:00-8:30 a.m. Registration
Breakfast and Lunch Served

LOCATION

Courtyard by Marriott Middleton
2266 Deming Way, Middleton, WI
608-203-0100

TUITION

Complimentary

CE CREDITS

6 Hours

REGISTRATION

www.dnsdental.com/ludens



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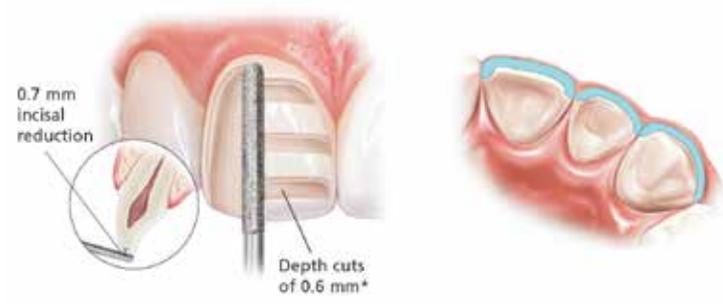


Your Full Service
Certified Dental Laboratory



TECHNICIAN'S TIP OF THE MONTH

When prepping veneers, a medium grit, round-ended, diamond bur is used to remove a uniform thickness of facial enamel by joining the depth-cut grooves. The diamond bur is angled to bevel back the incisal edge. For additional masking capabilities and/or layering techniques, further reduction may be necessary. Talk to your laboratory technician.



Source: Ivoclar Prep Guide

CEREC Doctors: We Can Be Your Backup for Design or Milling

If you own a CEREC system, D&S Dental Laboratory is here to help. If you are ever crunched for time or resources, for \$25 per unit, we can:

- 1) Design the crown and send it back to be milled by you
- 2) Design and mill the crown for you in our 10 crown choices

To make this process even easier, our expert designers can now remotely connect into your CEREC and design the crown in your system. All you need to do is install a free download of TeamViewer <https://www.teamviewer.us/teamviewer-automatic-download/> and call Paul at the lab. Be sure to call one day in advance and have your TeamViewer ID and password ready to provide to him. We'll log in and design the file. You take it from there!

To learn more, call Paul at 800.236.3859.