

Dental PRODUCT SHOPPER



EXCELLENT DEPTH OF CURE



MULTI-CASE CEMENT



DOCTOR'S FAVORITE



RECENTLY INTRODUCED



PRACTICE WORKHORSE

Time	Dr. Brian	Dr. Brian 2	Dr. Jeff	Dr. Jeff 2	Kristen	Crissy
7am	4MO		20RUP		A PRO Exam	
10	500B		20 LS2 Prep		Exam	
20	29DOL		ETCL		BTW	
30			TCCL			
40			ABU			
50			CFDCLite			
8am			BISCOVER			
10			10 LS2 Prep		C PRO Exam	A PRO Exam
20			Pre CRN		4Sealants	Exam
30	29DO					BTW
40	30MOD		22 MFL			
50	31MOD		22 DF			
9am			26 MF			
10		30 LOOSE?	ETCL			
20			TCCL			
30			ABU			A PRO Exam
40			DUOLINK			Exam
50			ABU			BTW
10am			15 Zr Del			
10			ETCL			
20			ABU			
30			ZCLEAN			
40			2PRIME			
50			DUOLINK			
11am			30 BUP			
10			30 Gold Prep			
20			ETCL			
30			ABU			
40			Deliver			
50			CFDCLite			
11am			BISCOVER			
10			14 Zr DEL			
20			ETCL			
30			ABU			
40			ZCLEAN			
50			CHOICE 2			

USED 12X A DAY



VERSATILE METAL PRIMER



ALL-IN-ONE POST CEMENT AND BUILDUP



THE GO-TO LINER



ONE PRACTICE, TWO DENTISTS A CORE GROUP OF PRODUCTS

A Day in the Life with BISCO's Dream Team



ABOUT JEFFREY A. NICKAS, DDS

Dr. Nickas received his bachelor's degree from the University of Illinois at Urbana-Champaign, and completed his dental schooling at the University of Illinois at Chicago. He continues his education to this day by regularly attending courses at the Cosmedent Center for Esthetic Excellence. He has also received further training in endodontics, periodontics, and with the Dawson Academy for Dental Continuing Education. Dr. Nickas currently practices dentistry in Sycamore, IL, as part of the Grand Dental Group.

Dr. Jeffrey Nickas of Sycamore, IL, is like many family dentists across America. A good day in his office is a productive day, but not necessarily a day of "flashy" dentistry, as he calls it. Rather, it's "everyday" dentistry, where patients of various ages present with a variety of needs. No matter what's on the schedule, having

a set of reliable materials that can be used in multiple cases is important to Dr. Nickas and his staff. He finds all the materials he needs in BISCO's "Dream Team" of products, which provide ample solutions for everyday dentistry.

In the pages ahead, Dr. Nickas and his partner walk through a typical day in their practice.

Dr. Brian 7:00 a.m.

This patient presented for replacement of a MOD composite on tooth #29. Due to nerve proximity, I chose to use **TheraCal LC**, a light-cured, resin-modified calcium silicate liner. This product serves to protect the pulp.

Dr. Jeff 7:00 a.m.

This patient presented with a failing MOD composite on tooth #20. A crown was recommended. Similarly to Dr. Brian's 7 a.m. patient, decay extended close to the pulp. I placed **TheraCal LC** prior to placing **Core-Flo DC Lite** core build-up material, and proceeded with the crown preparation.

Dr. Jeff 8:10 a.m.

This was an unscheduled, emergency visit, where the patient fractured an existing anterior, porcelain crown. Worth noting is our use of **BisCover LV** on the temporary

crown. This composite glaze adds a life-like sheen to the temporary.

Dr. Brian 8:30 a.m.

Hooray! More direct composites! Here is an instance when a product really demonstrates its value. Quadrant dentistry is time consuming, and technically and physically demanding. I use **Reveal HD Bulk** for posterior composite restorations. Knowing that I have a material I can place in a single, 6 mm* layer that will cure, be strong, and look good makes these procedures infinitely more manageable and predictable.

Dr. Jeff 8:30 a.m.

My next patient is 88 years old and suffers from xerostomia. This, combined with his limited dexterity has made him susceptible to root caries. These are difficult restorations for a patient with limited options. We chose to place **TheraCal LC** as a pulpal protectant under each composite. The release of Ca²⁺ ions^{2,3} after application provides an environment that allows for secondary dentinal bridge formation.

Dr. Brian 9:00 a.m.

This patient had a PFM crown come loose while eating breakfast. The margins were intact. I decided to re-cement with **Duo-Link Universal**, a dual-cured composite resin cement. It's my go-to cement for less-than-ideal preparations.



THE WORKHORSES (CLICK ANY PRODUCT TO LEARN MORE.)

🟡 **ALL-BOND UNIVERSAL** is a light-cured dental adhesive. One of Dr. Nickas's favorite products, it can be used in total-, self-, and selective-etch techniques, which gives him the ability to standardize procedures with a single bottle. Having a bonding agent that does everything is a "lifesaver," says Dr. Nickas.

🟢 **Select HV Etch w/ BAC** is a high-viscosity, vibrant blue material. When using the selective etch or hybrid technique, the material will effectively etch enamel margins without flowing onto dentin. Etching uncut enamel with **SELECT HV Etch w/ BAC** significantly improves the quality of the etch pattern and bonding surface.

🟢 **Dr. Brian 10:00 a.m.**

🟠 This patient presented for delivery of #15 zirconia crown. After try-in and cleaning, I treated this crown with **Z-Prime Plus**, which contains the MDP monomer necessary for bonding to zirconia. For cementation, I again used **Duo-Link Universal**. It's something I have on hand always because of its versatility and predictability.

🟡 **Dr. Jeff 10:10 a.m.**

🟠 This was my second crown prep of the day. This time I prepared for a gold crown. Dr. Brian and I use **All-Bond Universal** for every adhesive procedure, and here was no exception. Following removal of the existing restoration, I applied **All-Bond Universal**, placed **Core-Flo DC Lite** build-up material, and completed the crown preparation.

🟡 **Dr. Jeff 11:00 a.m.**

Often times when I use a bonding protocol for crown cementation, it requires the patient to be anesthetized. This patient was unwilling to get numb. For this reason, we chose **TheraCem** as our cement. Rather than having



to etch and bond the tooth, we used this dual-cured, self-etching cement that cleans up beautifully.

🟢 **Dr. Brian 11:00 a.m.**

I'm delivering #8 lithium disilicate veneer. This has been custom shaded by our lab. I used **Choice 2** veneer cement, a fully light-cured material, designed specifically for veneer cementation. It has excellent long-term color stability.

12 P.M. BREAK FOR LUNCH! CONTINUE ON NEXT PAGE ->

DOCTOR'S FAVORITES

One of Dr. Nickas's favorite BISCO products is Z-Prime Plus, a metal primer that has excellent adhesion to zirconia. He calls it an "incredible" product. Another favorite is TheraCem for its "incredibly easy" cleanup, which impacts Dr. Nickas's workflow and efficiency. Click the image above to see a full-arch, zirconia restorative case using BISCO's Z-Prime Plus and TheraCem, courtesy of Dr. Joseph Kim.

- ◆ **Dr. Brian 2:00 p.m.**
◆ After starting my afternoon with an extraction case, I saw an unscheduled patient with a loose, lower lingual retainer. Rather than refer this patient to an orthodontist, I am able to confidently recement the retainer in-office because of the BISCO armamentarium we stock. This includes using the metal primer **Z-Prime Plus** on the retainer itself and **Duo-Link Universal** cement.

- ◆ **Dr. Jeff 2:00 p.m.**
 This was a buccal Class V on an upper second molar, which is a tough area to work in. This is a case where having a bulk-fill composite like

Reveal HD Bulk is really convenient. Despite decay extending deeper than anticipated, I am assured I will get full curing of the restoration when placed in a single layer. Had I tried to incrementally layer here, there is a greater chance of gingival bleeding or salivary contamination.

- ◆ **Dr. Brian 2:30 p.m.**
◆ This was a challenging, multidisciplinary case. The patient was 5 years old, and the plan was to complete two composite restorations, one extraction, and one pulpotomy and stainless steel crown under nitrous oxide analgesia. Fun! Once the patient was anesthetized and under rubber dam isolation, I used **TheraCal LC** as a pulpal protectant^{4,5} under the direct composites and **TheraCem** as my cement for the stainless steel crown. The ease of use and expedient cleanup makes TheraCem the only cement I'll use for this procedure.



THE TAKEAWAY

As you can see from my schedule, this isn't flashy "magazine" dentistry. It's everyday dentistry. That's not to say we don't do esthetic work, anterior work, implants, and All-on-4 cases, but those aren't everyday cases. We have a busy office with multiple emergency patients per day. The schedule is dynamic, including our hygiene schedule. Things change so much, so it really is helpful to just have a certain set of products that work well together.

Predictability is important to me. If we hire a new dentist,

we don't want the training to be difficult. It gets confusing when you start to add too many products, not only for the dentist but also for the assistant. I've been a dentist for 10 years, and I'm still learning about techniques and products. Once you figure out what you want to use and how, you should have confidence in your products, and know they are working for you. I have that peace of mind with BISCO products.

— Dr. Jeffrey Nickas

Dr. Jeff 3:00 p.m.

This was an esthetic case with two anterior composites and an impression for a #7 implant crown. I removed her existing composite restorations. I used a total-etch technique with **All-Bond Universal**, and restored directly with a microfill composite. When this patient returns in two weeks, I will use **TheraCem** to seat her implant crown. **TheraCem's** complete and easy cleanup helps to ensure total removal of cement after delivery. This reduces chances of cement-induced peri-implantitis.



Dr. Jeff 4:00 p.m.

I end my day with the delivery of a lithium disilicate crown. After try-in, I use **ZirClean**—a great product for removing any biological contaminants from the crown—before final cementation with **Duo-Link Universal**.

Dr. Brian 4:20 p.m.

My last patient presented having recently completed root canal therapy on tooth #29. The patient needed to postpone a final crown, but wished to stabilize the tooth. We chose to restore temporarily with a fiber post and core

build-up as an interim restoration. After rubber dam isolation and matrix placement, we used **All-Bond Universal** and **Core-Flo DC Lite** to cement the post as well as build up the core. It is advantageous for our standard core material to also function well as a post cement.

* Varies based on the shade selected.
** Data on file. BISCO, Inc.

1. Gandolfi MG, Siboni F, Prati C. Chemical-physical properties of TheraCal, a novel light-curable MTA-like material for pulp capping. *International Endodontic Journal*. 2012 Jun;45(6):571-9.

2. ADA definitions for direct and indirect pulp capping at: www.ada.org/en/publications/cdt/glossary-of-dental-clinical-and-administrative-ter

3. Apatite-forming Ability of TheraCal Pulp-Capping Material, M.G. GANDOLFI, F. SIBONI, P.

TADDEI, E. MODENA, and C. PRATI *J Dent Res* 90 (Spec Iss A):abstract number 2520, 2011 (www.dentalresearch.org)

4. Okabe T, Sakamoto M, Takeuchi H, Matsushima K (2006) Effects of pH on mineralization ability of human dental pulp cells. *Journal of Endodontics* 32, 198-201.

5. Sangwan P; Sangwan A; Duhan J; Rohilla A. Tertiary dentinogenesis with calcium hydroxide: a review of proposed mechanisms. *Int Endod J*. 2013; 46(1):3-19

GO TO THE WHITEBOARD

Learn more about BISCO's innovations in the Whiteboard videos below.



BISCO

Additional Resources

Read more about BISCO's top products as designated by Dental Product Shopper evaluators.



GET CONNECTED & TUNE-IN

BISCO maintains an active social media presence, particularly on YouTube where the company has more than 1,500 subscribers.