

# Tech Talk

**Technic**  
Dental Lab

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## Making a Good Impression

Making an accurate and detailed impression is the most critical and technique sensitive step in creating superior prosthetic restorations for your patients. It can also be the most frustrating stage for both the clinician and the laboratory technician. We will address some common problems, what factors may cause errors, and present methods to correct & avoid complications. The most common complaint lab technicians have with the impressions they receive daily is **inadequate marginal detail**.

Failure to capture the true details of the margin of the preparation will result in open or short margins and inadequate prosthetic fit.



Voids at the margin are usually the result of either insufficient retraction or fluid accumulation that prevented the impression material from flowing around the margin. This can be avoided by using improved retraction methods such as double cording or syringeable hemostatics, bipolar tissue management, or Comprecaps. Exceeding the working time can

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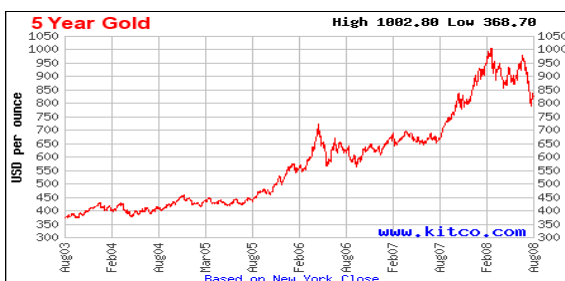
also cause a lack of impression detail. Be sure to follow manufacturer's working time specifications, or choose a material with a longer working time. If your impression material is too warm the working time will be reduced, so watch where the material is stored. In order to avoid unfavorable interactions between the retraction or hemostatic materials and the impression material, rinse well with water & dry before taking the impression. Lastly, the completed impression needs to be stored correctly until it can be poured up at the laboratory. Rinse polyether impressions with water and blow dry before sending to the lab. Do not send the impression in the same bag as an alginate impression. Avoid storing impressions in sealed bags, and keep it away from direct sunlight – at room temperature.



Detailed,  
Accurate  
Impression

## The Time Is Here For Non-Metal Restorations!

The high cost of gold presents challenges and opportunities as gold on the world market has recently fluctuated between \$800.00 and \$1000.00 per ounce. The alloying of various compatible metals for dentistry drives the costs even higher! This makes it very difficult to quote an accurate fee for your next PFM crown.



We have seen a range of as high as \$100 based on gold alone for a single unit posterior PFM crown. Gold is still the best choice when compared to non-precious type alloys and many dentists still insist on the most yellow gold feasible for their patients.

All-ceramics have undergone various improvements over the past 25 years all in an effort to gain more strength and still create a beautiful natural restoration. New developments with Zirconia have given dentistry a "just in time" fabulous material now being processed world wide in CAD-CAM technologies as well as scanned and electronically processed copings. From single units up to 8 unit bridges, this exciting technology offers patients highly cosmetic results with a strength

factor comparable to gold. It can be used for implant custom abutments also.

Technic Dental Lab offers clients the Cerec InVision, 3m's Lava system, or the Nobel Biocare Procera line. These options assure you of a consistent price on each unit and provide an excellent level of esthetics and fit. We also have the E-Max CAD crown, which is highly aesthetic in appearance, recommended for anterior and pre-molar single units & implant restorations only.

Your favorite Universal Adhesive Cement such as RelyX Unicem Self-Adhesive Universal Resin Cement or Multilink® Automix Universal Cement can be used to place these restorations. As always you must do proper evaluations and preparation to achieve success on each and every case. Complete Prep Guides are available as downloads on our website at [www.TechnicDentalLab.com](http://www.TechnicDentalLab.com).

You can call us any time to discuss the perfect selection for your next restoration.

## Bridging the Gap... Between Dentist & Lab



Technic Dental now has an exciting tool to enhance communication between the lab and the dentist. BecomeOne is a new state of the art communication tool, which provides live streaming video between the dental lab and its customers via the internet. This communication tool allows dental labs and dental professionals to view live streaming video to discuss impressions, set ups, margins & bites, conferencing for case planning, and visual case design. Each conference will include live streaming video, a capture mode for the video, upload area for digital photos, and chat room features. For the customer participating in online conferencing the only equipment needed is a computer and an internet connection.

If you would like to try BecomeOne, call us!

## Your Splint Material Choices

Technic Dental Lab, Inc. continually strives to provide quality appliances that will stand the test of time. The world of orthodontic splint materials is constantly evolving so we felt it would be helpful to briefly outline the three main splint materials offered by Technic.

**1. IMPAK** – is the name of our thermoplastic splints. The Impak is a single heat cured appliance and must be placed in warm water before placement in the mouth. The material is exceptionally resistant to fracture and is very retentive. It is ideal as a bruxism appliance.



**Impak Splint**

**2. Hard-Soft** – is a dual material splint. The inside is a soft silicone material called PermaSoft. The occlusal surface is hard acrylic. Good results are achieved but the design inherently leads to fractures

eventually. Not recommended for heavy bruxers, clenchers, or grinders.



**Hard-Soft Splint**

**3. Hard Acrylic** – are economic and durable, but may be harder to fit in the mouth than other materials because there is no internal give. Anterior guidance and disclusion can be added easily. Ball clasps are often needed to provide sufficient retention. It is also harder to adjust so more chairtime is needed.



**Hard Acrylic Splint**

By being specific in your requests when it comes time to write your Rx, we can ensure all your needs and your patients expectations are met.

## Fall Seminar Schedule

**Coming Soon! Be sure to reserve space in your schedule...**

Wednesday, October 15, 2008 – **"Healthy Heart Dentistry: The Oral Systemic Connection"**

With Dr. Ronald L. Schefdore, DDS. 1:00 pm – 5:00 pm. 4 CE Credits

Tuition: \$199 Drs, \$99 Staff: Send us *Ten Crowns* by Oct. 15<sup>th</sup> to receive free tuition.

Refreshments included

Thursday, October 30, 2008 – **"What's New in Dental Implants: Next Generation Overdentures"**

With Wayne Szara, Jr of 3i Implant Innovations. 6:00 pm – 8:00 pm. 2 CE Credits

Tuition:\$40 Refreshments and gift certificate included

Wednesday, November 5, 2008 – **"Lava Precision Solutions & Chairside Scanning for Impressions"**

With Paul Holbrook of 3M ESPE. 6:30 pm – 8:30 pm. 2 CE Credits

Tuition:\$40 Refreshments and gift certificate included

Monday, January 12, 2009 – **"Guide to Bonding & Cementation: When to Use Which?"**

With Lindi Petersen of 3M ESPE. 6:00 pm – 8:00 pm. 2 CE Credits

Tuition:\$40 Refreshments and gift certificate included

*Reserve your space now!*

Call 708-479-1212 to register with Julie. Fax 708-479-7168 E-Mail: [bmikecapps@aol.com](mailto:bmikecapps@aol.com)

### What Is Healthy Heart Dentistry?

Healthy Heart Dentistry® is the exclusive distributor of FDA approved BIOSAFE in-office blood tests to dental offices across the country, helping to improve the quality of care offered to dental patients without the need for an additional license or personnel.

President Dr. Ronald Schefdore, Illinois dentist with over 25 years experience, found that bleeding gums could be a warning that there is a underlying medical problem. He performs finger nick blood screenings on patients at the beginning of periodontal treatment and than again after treatment 6 -8 weeks later. There is usually a significant improvement in blood chemistry with Dr. Schefdore's protocol. If blood chemistry remained elevated after treatment, then an underlying medical problem is suspected.

Recent research shows that gum disease, which affects 75 percent of people over age 35, has now been positively linked to a significantly greater likelihood of heart attack or stroke, undiagnosed diabetes, pregnancy complications, high cholesterol, or a number of other systemic health issues. The bacteria produced by gum disease produce nitrosamines, which are known to cause cancer. Gum inflammation also correlates with elevated levels of HsC-reactive protein, which increases your risk to all the above diseases and complications.

Dr. Schefdore has been providing these screening blood tests right in his office for years. It's quick, inexpensive, and easy. It helps identify unsuspecting health issues and has proven to save lives.

It is time to join thousands of other dentists already performing in-office blood testing in their dental office. Patients appreciate the exceptional care and improvement in their blood chemistry. Physicians and dentists appreciate the increased referrals to their offices. You can truly make a difference in our patients' oral and overall health. Come to the seminar October 15<sup>th</sup> to learn more!



## Certified Dental Laboratory



Technic Dental Laboratory has achieved the status of a Certified Dental Laboratory (CDL). This designation requires stringent infection control and case management standards with a Certified Dental Technician

overseeing each specialty in the laboratory. The Certified Dental Laboratory (CDL) provides assurance that a laboratory has met specific standards relating to quality assurance, safety, and business and manufacturing practices. By earning and maintaining the CDL designation, a dental laboratory is always monitoring and attempting to improve the quality and efficiency of their services and facilities.

Certification in the dental laboratory profession is voluntary. Laboratories who have taken the extra steps to become certified represent the top of their field.

CDLs have documented not only compliance with peer-defined standards but a desire to stay in the forefront of the industry. A Certified Dental Laboratory takes pride in the quality and professionalism of its products and services. The CDL is recognized by the National Association of Dental Laboratories (NADL), the American Dental Association (ADA) and the American College of Prosthodontists (ACP). It also receives outstanding support and participation from US military services.



## Controlling Costs?

**Technic now has two new crowns to choose from.**

Are you looking for a crown with strength and fine esthetics at a reasonable price? We have two products you should consider. Now you can offer your patients an affordable high-performance all-ceramic crown.

**IPS e.max** takes Empress to the max! The **IPS e.max CAD** is a high strength glass-ceramic for superior aesthetics. You also get the great fit of CAD/CAM processing along with typical high fracture toughness due to the homogeneous structure a CAD block can offer. E.max CAD is indicated for single unit anterior and premolar substructures. It is also suitable for implant superstructures for single tooth restorations. This restoration can be conventionally cemented. Technic recommends using Variolink Veneer or Multilink Automix cements with this product.

For those situations where you need the additional strength of a metal substructure, we have the **Luminite Crown**. Our Luminite crown is pressable glass ceramic fused to medical-grade non-precious alloy. It combines the strength and unlimited indications of PFMs with the aesthetics, consistency and accuracy of pressed all-ceramics. The glass ceramic is stronger than standard porcelain and is wear compatible. This crown is ideal for posterior single units and bridges.

You can be confident in the quality, strength & aesthetics of our two new products. All of your restorations are guaranteed made in the United States, with pride, at Technic Dental Lab.



**IPS e.max®**