

Advances In Prosthodontics™

New Findings & Best Practices for Cosmetic & Restorative Dentistry

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Do You Have a Patient With Failing or Un-Esthetic Restorations?



Here are examples of patients who were referred from other dental professionals...

If you have a patient with several missing, broken or severely worn teeth — or failing restorations — they may be a candidate for oral rehabilitation with the assistance of an advanced Prosthodontist.

Read more on the next page...

◆ Do you want another opinion on a complex case? Or to talk and share ideas?

There are many ways we can help each other by working together on complex cases and by sharing knowledge and experience. With your reputation for quality dental care, and my experience with restorative treatments, we can work together on advanced cases and both benefit! If you'd like to discuss a treatment, or talk on the phone about how we can help each other, please call or email my office with specific days and times when you're available.

Prosthodontic Publication

Want to see recent issues?

Stay informed on new findings and best practices for cosmetic and restorative dentistry. See more examples of complex cases online at:

AdvancedProsthodontist.com / Chao



CASE SUMMARY: Custom staining and glazing

by Dr. Maggie Chao, Prosthodontist

As a Prosthodontist, I work on challenging cases every day and coordinate treatment with general dentists and other specialists. I also have a dental lab in my office. Using technology and my experience, I am able to provide digital waxups, printed models, and make custom milled occlusal guards! And sometimes I see restorations that are broken or not as esthetic as desired. In this newsletter, I want to highlight custom staining and glazing of difficult cases.

Veneer Repair



Porcelain Gingiva Shade Matching



I give all referred patients a warranty and refer them back to the general dentist for regular hygiene unless advised otherwise by the referring office, depending on the patient and treatment. If you have questions about my prosthodontic protocols, please email me at:

drchao@pleasantonpros.com

◆ Do you have a patient with failing restorations? Or another complex case?

If you have a question about a case and want another opinion, give my office a call. Or, if there's a case that you want to work together on, please fill out and send in the enclosed referral form.

My office and I will take great care of your patient and keep you informed. Dental professionals refer to me as **The Complex Case Specialist™** because I perform complex cases every day.

Quickly Get the Latest Research On Procedures & Materials For Better Outcomes...

The Effect of Surface Treatments on the Bond Strength Between CAD/CAM Blocks and Composite Resin

Mustafa Duzyol BDS, Omer Sagsoz PhD, Nurdan Polat Sagsoz PhD, Nilgun Akgul DDS, PhD, Mehmet Yildiz DDS, PhD
Journal of Prosthodontics, DOI: 10.1111/jopr.12322

Purpose

The aim of this study was to evaluate the microtensile bond strength of three computer-aided design/computer-aided manufacturing (CAD/CAM) blocks repaired with composite resin using three surface treatment techniques.

Materials and Methods

Three different CAD/CAM blocks were used in this study: (1) Lithium disilicate, (2) feldspar ceramic, and (3) resin nano ceramic. All groups were further divided into four subgroups according to surface treatment: control, roughened with bur (B); roughened with bur and 5% Hydrofluoric acid (HF); roughened with bur and sandblasting (HF); and roughened with bur and CoJet (C). After surface treatments on each group, a silane and bonding agent were applied, and ceramics were repaired with a nano-hybrid composite. Then, the repaired ceramics were cut with a low-speed diamond saw for microtensile bond testing. Microtensile bond tests for 40 specimens per subgroup were carried out with a universal testing machine. The data were analyzed with ANOVA, Tukey's, and LSD at the 95% significance level.

Results

Mean bond strengths (MPa) of subgroups B, HF, S, and C were: 0, 29.8, 0, 23.3 for lithium disilicate ceramic; 26.4, 22.3, 22.4, 22 for feldspar ceramic; 54.8, 25.3, 42.1, 25.7 for resin nano ceramic. For subgroups B and S of lithium disilicate ceramics, bonding failed during specimen preparation. No significant differences were observed among all CoJet groups. In subgroups B and S, resin nano ceramics showed the highest bond strength. In feldspar groups, subgroup B showed higher bond strength than the other subgroups.

Conclusion:

This study demonstrates that lithium disilicate porcelain blocks required etching for repairing with composite material. Surface treatments did not increase the bond strength in feldspar ceramic groups and reduced the bond strength in resin nano ceramic groups. To discuss more, please email me at: drchao@pleasantonpros.com

Have a Laugh: Denture Inspired Phone Case



◆ How can a Certified Prosthodontist assist you and your dental team?

I specialize in the treatment of complex cases, usually involving several procedures over months of care. The next time you see a challenging case, please feel free to call me and we can discuss treatment planning or I can help you with any part of the treatment.

My goal is to be a resource for your office by helping manage difficult and time-consuming procedures, restoring the function and esthetics that the patient desires, then referring them back to your office for their ongoing care.

Dr. Maggie T. Chao

DMD, Prosthodontist ♦ The Complex Case Specialist™



Dr. Maggie Chao works with dental professionals near the Pleasanton and Walnut Creek areas to restore the smiles and confidence of patients facing a difficult diagnosis.

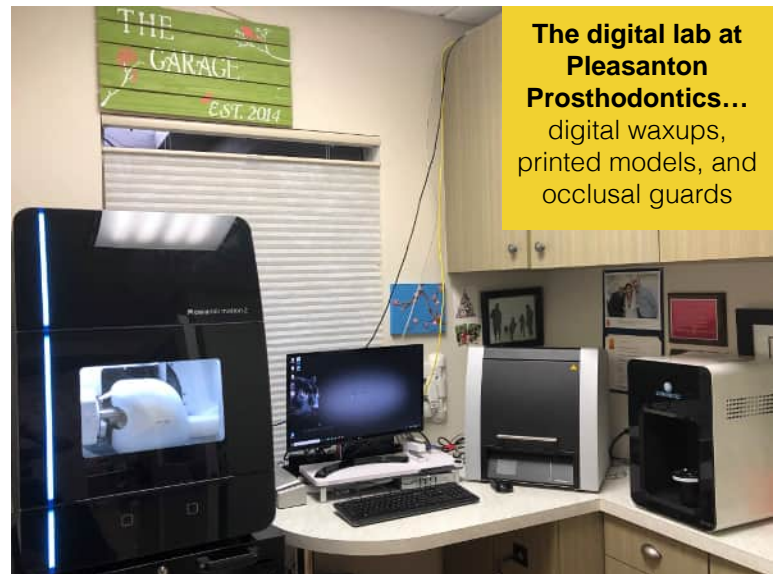
About Pleasanton Prosthodontics:

Pleasanton Prosthodontics is a specialty practice limited to fixed and removable prostheses, dental implants, and all phases of esthetic dentistry. Dr. Chao's extensive prosthodontic training and private practice experience make treatments of complex cases more successful, including the following examples: Patients with ill-fitting dentures, severely worn or damaged teeth can receive a single dental implant or a full arch of natural-looking teeth.... Patients who have suffered from traumatic injury, congenitally missing teeth, or a chronic condition can receive oral prostheses, which may be a combination of dental implants, crowns, bridges, or veneers.... Patients with severe neglect of their oral health can receive a full reconstruction to restore function & esthetics.

PleasantonPros.com/doctor-referral

There are 2 ways to use this section of Dr. Chao's website to make treatment communication easier, help patients, and do less administrative work:

- 1) **Online Referral Form** is fast and secure, and
- 2) **Collaborator** that allows sharing of documents, radiographs, CT scans, and messages... organized and available to all colleagues working on a case... also HIPAA compliant with no software to install - simply create a password and log on anytime you want to view / update info. It's free to use!



The digital lab at Pleasanton Prosthodontics...
digital waxups,
printed models, and
occlusal guards

◆ Why other dental professionals work with a Certified Prosthodontist

Prosthodontists are specialists in implant, esthetic, and reconstructive dentistry.

1. **You have a patient requiring treatment outside your typical scope of practice.**
Examples include patients with vertical dimension discrepancies, severely resorbed ridges, inadequate interarch space, severe bruxism, traumatic tooth loss, or congenital abnormalities.
2. **You have a patient with complex needs that may drain your time.**
If your patient may require treatment from several specialists, Prosthodontists can help because they are trained to appropriately stage and manage complex treatment plans.
3. **You have a demanding patient who wants perfect esthetics.**
Examples include patients with a high smile line or needing a single tooth replacement in the esthetic zone. A Prosthodontist is trained in selecting the best solutions for high-demand patients.
4. **You have a question and want to discuss a case with a colleague to ease your mind.**
A Prosthodontist can be an excellent resource for you to ask questions because they are trained in many types of complicated treatments. For example, you may want to consult or refer to a Prosthodontist for complex implant-supported restorations. A Prosthodontist can work with you or complete the treatment for you to achieve the best in both function and esthetics.