

## Ti-Base Implant Cementation Technique with PANAVIA™ SA Cement Universal



### DENTIST

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Greg Campbell, DDS is recognized nationally and internationally as an expert on integrating CAD/CAM dentistry into offices and is frequently sought out by Industry leaders to lecture about Digital Dentistry. Dr. Campbell has a great understanding of Digital Technology and trains other dentists how to use this technology and is a certified Advanced CEREC Trainer. Dr. Campbell is a former Beta tester for Sirona Dental and has authored two books on CAD/CAM dentistry. Dr. Campbell has created multiple polishing kits used for ceramics and has been trained on advanced adhesion materials, research & techniques and utilizing them clinically for over 8 years. Dr. Campbell was an Alpha and Beta Tester for KATANA STML and KATANA One Blocks.

Recently Dr. Campbell wrote a highly regarded article on Digital Integration for the American Dental Association, Compendium and Dental Products Report. Dr. Campbell graduated from the University of Southern California School of Dentistry and completed advanced training in Cosmetic Dentistry at UCLA and maintains a private practice in Long Beach California.

### CASE STUDY BREAKDOWN

By using PANAVIA SA Cement Universal and its proprietary dual-monomer technology, you can now simplify the bonding of any restoration to implant abutments without the use of separate primers or silane. Independent research has confirmed this new dual-monomer technology does not sacrifice adhesion or durability on glass-based ceramics or zirconia. The technique, in this case study, is for Ti-Base Implants, however, the basic technique on the treatment of the abutment and restoration may be used with any implant restoration combination.



### PRODUCTS USED



**PANAVIA™ SA Cement Universal** is the first universal adhesive, self-adhesive resin cement with dual-monomer technology.  
**3 Shades:** White, Translucent, Universal (A2)  
**Formulations:** Handmix and Automix

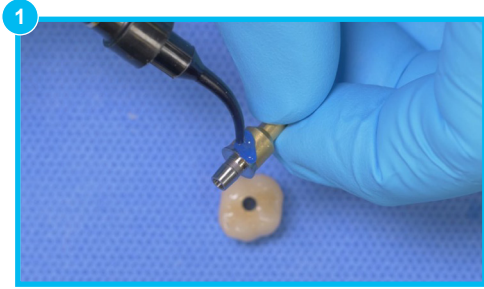


**KATANA™ Cleaner** is a non-abrasive dental cleaning agent. Indicated for the bonding surfaces of prosthetic restorations as well as dentin, enamel, root canals, tooth abutments & Implant abutments.

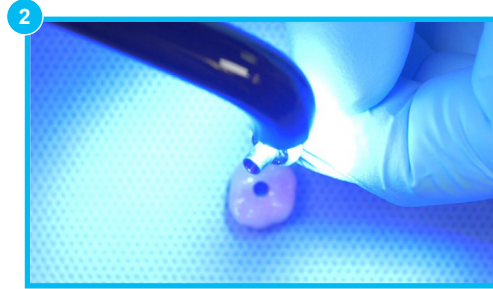
Images & Dentistry by Greg Campbell DDS

## Treatment of Titanium Abutment

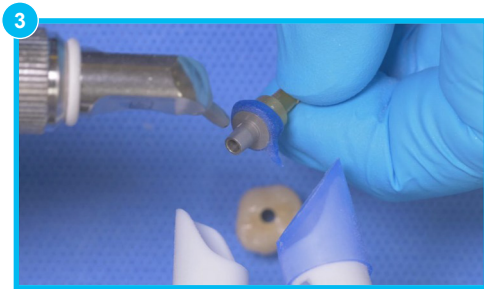
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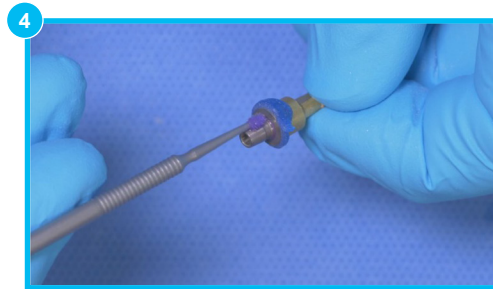
After attaching the abutment to the implant analog.



Protect the base of the abutment with block out resin & light-cure.



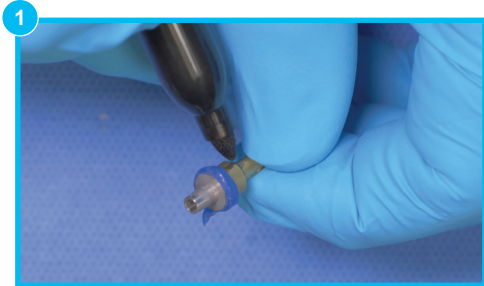
Air Abrade the Titanium Abutment with 30-50  $\mu$ m Alumina Powder @ 32 PSI.



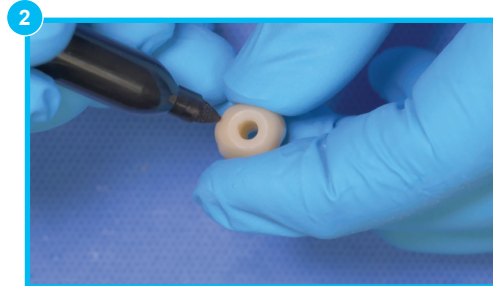
**Clean abutment with KATANA™ Cleaner:**  
Clean with KATANA Cleaner  
(10's Rubbing, Rinse & Dry).

## Reference Index Points to Ensure Accurate Seating

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Mark Index position on implant analog.



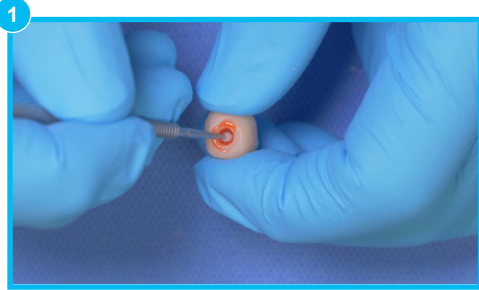
Mark index position (notch) on crown.



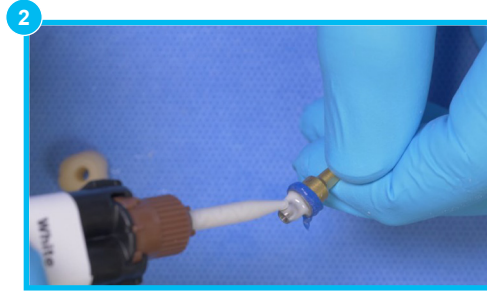
KATANA™ Cleaner is a universal cleaner that is indicated to clean metal, zirconia & glass-based restorations. It is also an intra oral cleaner that may be used on dentin and enamel.

## Treatment of Restoration & Bonding to the Abutment

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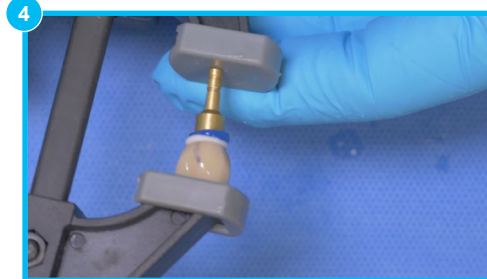
If Lithium Disilicate, HF acid etch Internal Surfaces, with 5% HF etch for 20'seconds then rinse & dry. *If Zirconia, air abrade, at 14-58 PSI.*



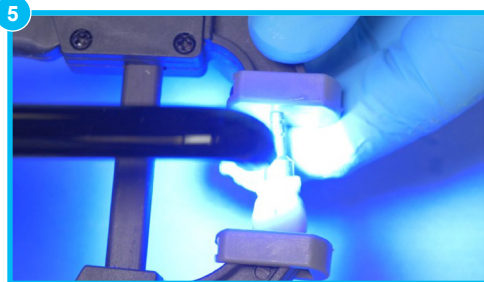
Inject PANA VIA™ SA Cement Universal (White Shade) onto treated & cleaned abutment.



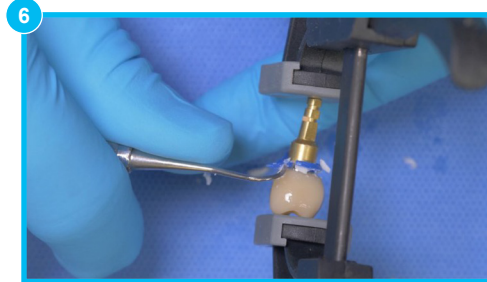
Align index points & seat crown onto abutment.



Place crown & implant into clamps & lightly tighten.



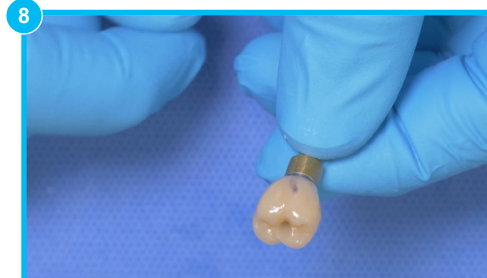
**Tack-Cure Clean-Up:**  
Light-Cure excess cement for 2-5 seconds (time depends on light output & distance held).



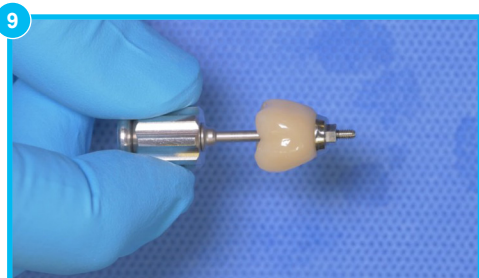
Remove excess cement & block-out resin with an explorer. PANA VIA™ SA Cement Universal has extremely easy clean-up.



Wipe off remaining resin with gauze.



Remove index mark with alcohol & gauze.



Clean & polish restoration prior to seating. Surfaces coming in contact with soft-tissue should be polished.