

# the permanent solution to temporaries

DR. JOE PELERIN

Impressions for  
custom temporaries  
have never  
been quicker...  
or easier!

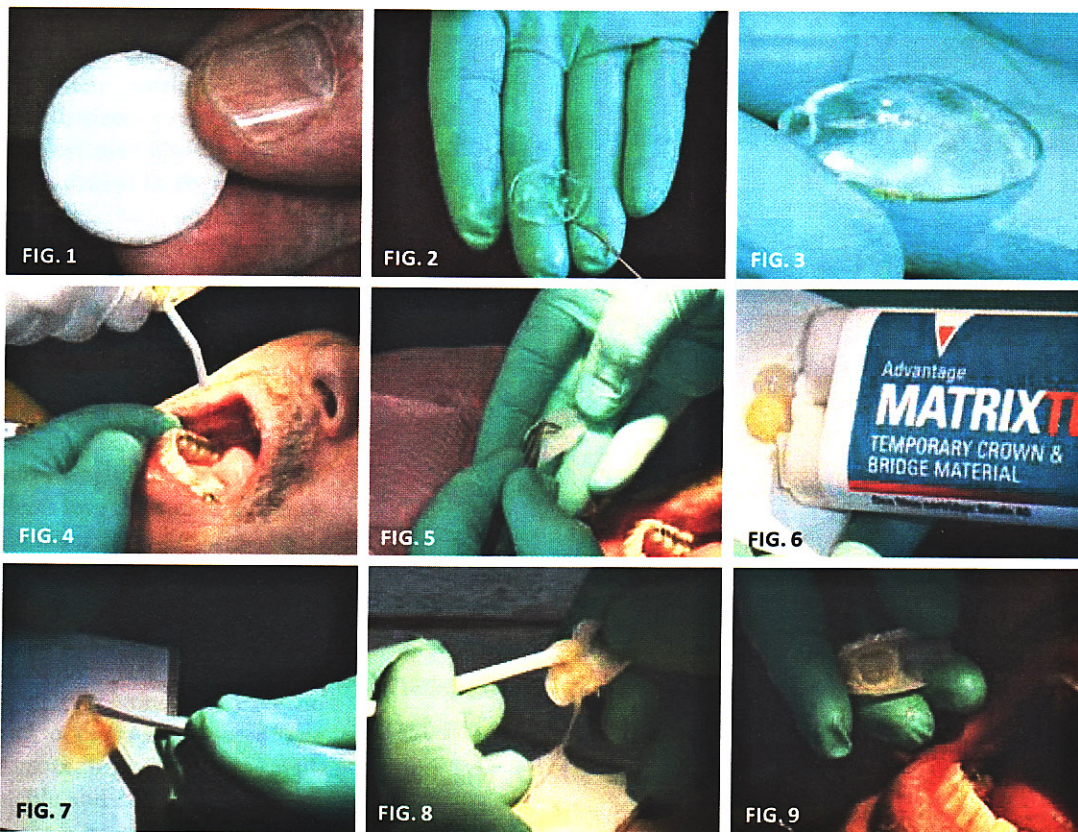


**There's no reason making an impression for custom temporaries should be a time-consuming process.** Recent developments have yielded a fast, easy, cost-effective method for achieving this once cumbersome goal.

Advantage Dental recently introduced Matrix Buttons, which led to the development of MatrixTemp, a 1:1 bisacryl that fits into standard impression guns. Driving excellent margin detail, the strong bisacryl has a low polymerization temperature and high viscosity. It also has an extended rubber phase to allow removal from interproximal undercuts.

Matrix Buttons are quickly softened in hot water (microwaved water, water bath, or instant-hot tap water), turning from a white, hard button into a clear, soft mass that can be molded over the tooth to be prepped prior to prepping. An air syringe quickly cools the button, turning it white again while retaining an accurate, flexible impression of the tooth that can later be filled with MatrixTemp to create a temporary crown.





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MatrixTemp is thixotropic, or viscous, only requiring a small amount to be dispensed onto a mixing pad. It is then mixed with a small spatula and applied to the internal matrix crown impression. This saves the cost and waste of using an auto-mixing tip. However, a mixing tip may be used if desired.

Once loaded with MatrixTemp, the Matrix Button impression is seated over the prep. A cotton roll is placed over it and the patient occludes. After approximately one minute, the MatrixTemp reaches a rubbery state and the button and MatrixTemp are removed. The button is then sprung open, and the temporary is removed and trimmed with a fluted carbide bur. In many cases, due to a smooth result, no polishing is required [Figures 1-7].

These products can also be used to make a temporary bridge. Simply use a portion of the button to fill the pontic space, pinch it into the interproximal undercuts, have the patient occlude and cool the "button/pontic tooth". Lubricate the pontic tooth with Vaseline and then soften two Matrix Buttons to form an oblong rope. The next step is to adapt—first over the occlusal of the abutments and pontic, then down to the gingival margin. Have the patient occlude to establish a closer bite with less adjusting. Later, using an auto-mixing tip for these, inject the matrix after the preps are completed. The patient then occludes until the MatrixTemp is rubbery. Finally, remove the MatrixTemp, spring the Matrix open, adjust and finish the temporary bridge [Figures 8-14].



When working on the anesthetized prep area, two buttons may also be softened and adapted to cover or blanket sensitive teeth in another area of the mouth where air or water would otherwise bother the patient. [Fig. 15].

Another handy use is to form three buttons to make a temporary anterior bruxing appliance. I have found these to be surprisingly effective and patients love them in these stressful times [Figs. 16-17].

Compared to other materials and methods, these products are very fast, easy, accurate and cost-effective. Matrix Buttons also have no gag, odor, or taste issues. The Matrix impression is small, stable and able to be saved to make a new temporary in the rare event of fracture and loss of the original.■



**JOE PELERIN, DDS** is a Wet-fingered Dentist, Inventor and CEO. "Dr. Joe", as many patients call

him, has been a practicing family dentist for over 30 years. Always on the cutting edge of dental technology, Dr. Pelerin is the creator of Hemaseal & Cide with chlorhexidine and the inventor of the Occlusal Harmony Closed-Bite Impression System among countless other products. Dr. Joe doesn't keep up with technology – he invents it.

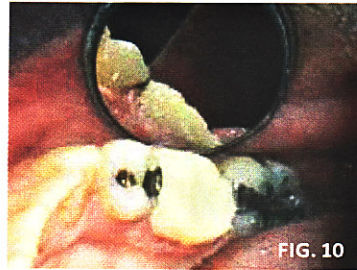


FIG. 10

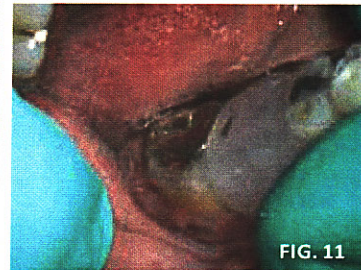


FIG. 11

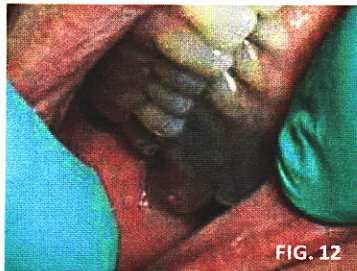


FIG. 12

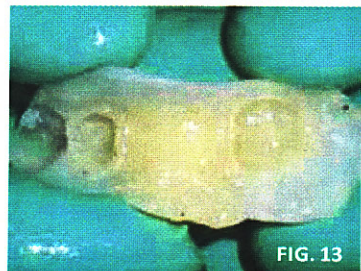


FIG. 13

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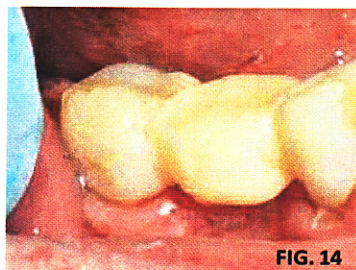


FIG. 14

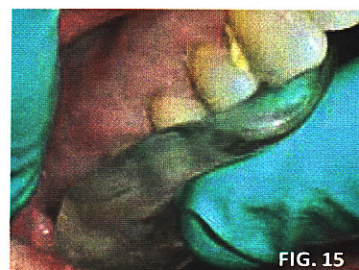


FIG. 15

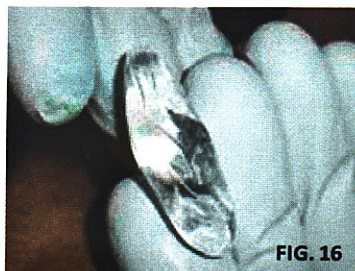


FIG. 16

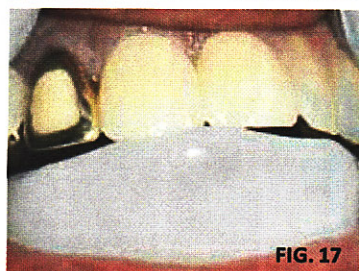


FIG. 17