



**TIMOTHY
KOSINSKI, DDS,
MAGD**

A graduate of the University of Detroit Mercy Dental School, Dr. Kosinski owns a state-of-the-art dental practice in Bingham Farms, MI focused on implants, cosmetic dentistry, and special needs dentistry. He is a Diplomat of the American Board of Oral Implantology/Implant Dentistry, the International Congress of Oral Implantologists, and the American Society of Osseointegration and is an Affiliate Adjunct Clinical professor at the University of Detroit Mercy School of Dentistry. Dr. Kosinski has placed over 14,000 implants in his career and shares his vast knowledge of implants as a speaker and author.



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TECHNIQUE TIPS

Miratray Implant Advanced

Accuracy in the dental impression technique is paramount to a proper passive fit. For implant cases, the open tray impression technique is by far the most accurate method of capturing the internal design of any implant system. Yet, in the past, taking open tray impressions meant cutting holes in a stock tray or having a custom tray fabricated and still cutting holes in it. Often, the holes in those trays are large so that we can easily seat in the mouth. But the large holes cause us to lose some of the support of the tray material, and we need to rely on the impression material alone for support. This may create some inaccuracies.

Hager came up with an ingenious idea to convert a stock tray to a customized tray in seconds without sacrificing precision. The MiraTray Implant Advanced is a unique impression tray with a patented clear foil technology that allows dentists to take open tray implant impressions with minimal hassle and no tray modification.

The clear foil, which is a pierceable membrane bottom to the tray, perforates only where the impression coping is but remains durable in other areas. This results in accurate access holes and outstanding stability. The clear film also improves visualization of the treatment

area. The screws of the impression copings penetrate through the clear material, so clinicians can easily view the screws of the posts when seating.

Since I don't need a custom tray for open tray impressions, I save chair time because the preliminary casts are not needed. In our profession, time is money and convenience and ease of use are very important to improve efficiency.

The MiraTray Implant Advanced is a tool that I use for predictability of my implant impressions, and my dental lab appreciates the accuracy and elimination of guesswork in their model work.

I use MiraTray Implant Advanced for all of my open tray implant impressions because it makes my job easier and is cost effective. Anyone who places implants should have this product.



1 The long screws penetrate through the tray. After the PVS material sets, the screws are unthreaded and the impression is removed with the impression coping still embedded.



2 The clear design of the MiraTray allows for easy visualization of the position of the open tray impression copings.



3 Excess PVS material is removed from screw holes with an explorer and screws are unthreaded. The entire tray with impression copings is removed, eliminating any distortion of the PVS pulling around divergent implants.



4 The final impression removed from the mouth is an accurate representation of the body of our dental implants.