

An impression tray with an innovative foil technology

By Dr Deborah Horch, Germany

Every clinician knows the situation of having a patient waiting for an implant impression. Unfortunately, sometimes the individual tray does not fit and has to be modified because the technician wrongly calculated the direction of the insertion. It is even more problematic when the individual tray cannot be found. Explaining this mishap to patients is embarrassing and annoying because it takes valuable time away from other patients, who may have to wait longer for their treatment.

The main advantages of Miratray

- A perfect and open implant impression
- Impression-taking in only one session
- No laboratory costs
- Controlled and safe impression with an unobstructed view
- Clean working thanks to the foil precisely closing on the impression post
- No overflowing impression material
- Individual, practical and economical
- Suited for all implant impression materials and common implant systems

Since I started working with the Miratray implant impression tray (Hager & Werken), these problems have become a thing of the past. The implant impression tray consists of a plastic structure and a transparent foil. Its secret lies in the patented foil technology, which is skilfully balanced. The foil is stable enough to hold the impression material secure inside the tray and allows impression posts to be clearly visible.

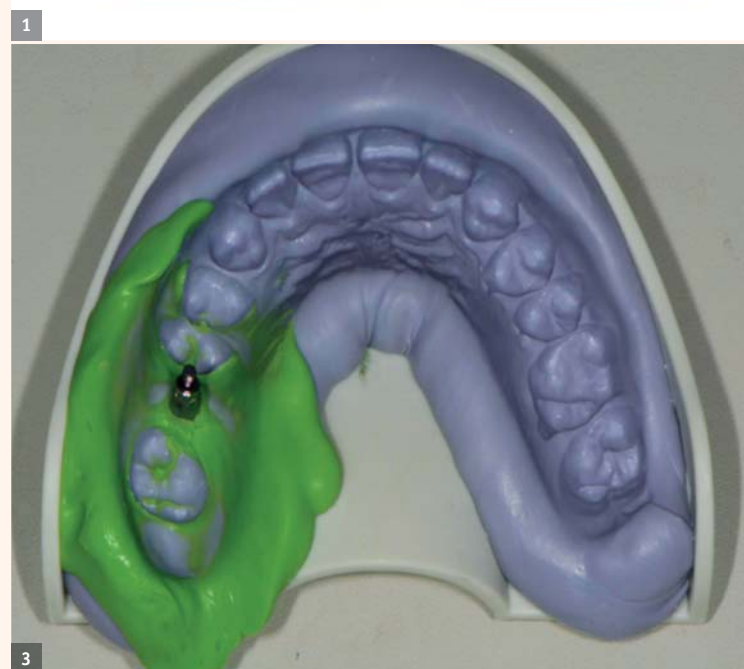


Fig. 1: Miratray implant impression tray. – Fig. 2: Implant impression of region #26 four months after implant placement. – Fig. 3: View of the implant impression (impression post in situ). – Fig. 4: The innovative and patented foil technique.

The Miratray is available in three standard sizes (S, M and L) and can be used for both dentate and edentulous patients. Blocking with plastic splints, recommended for some types of implants, is possible and unproblematic. The use is similar to that of the individual impression tray, but offers the ad-

vantage of having full visibility when gently pushing down the tray until the foil is perforated by the impression post. Owing to the durable foil, this becomes an unproblematic and clean procedure, as overflowing impression material can be avoided. After the material has been cured, the screws of

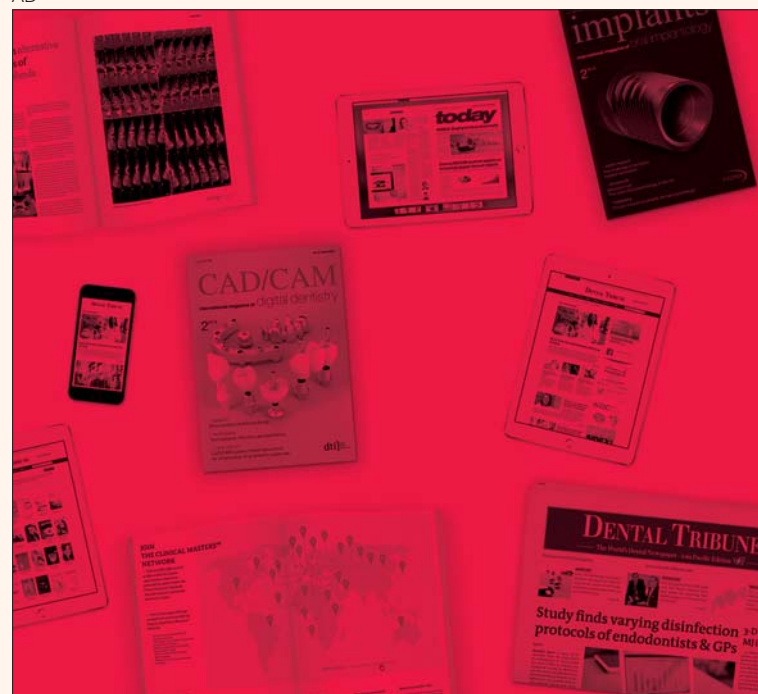
the impression posts can be easily removed. The result is an extraordinary impression with the fixed posts within.

Studies led by the late Prof. Hubertus Spiekermann from RWTH Aachen University in Germany proved that the Miratray is as ac-

curate as an individual tray. It makes handling of converging or diverging implants easier because the impression posts do not have to be lead through the sometimes-small notches of the individual tray. Our patients are glad that they do not have to go through another impression-taking session. In some cases with healthy oral mucosa, impressions can be taken directly after the uncovering.

Even with financial constraints, the Miratray is a perfect alternative. According to Hager & Werken, the tray costs less than €5. Furthermore, it can be claimed as an individual tray, at least here in Germany, because small adjustments need to be made, for example when there are problems with the vestibular space.

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