Implants + Impressions ≠ Complicated

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I once had a patient who did not have any dental problems at all, but who would come into our practice only to read magazines in the waiting room. Can you think of anyone with so much spare time on their hands?

"Time is money", Benjamin Franklin, one of the founding fathers of the USA, supposedly said once. The Half Dollar Bill he designed features a sundial. To me this is a symbol for slowness. However, you also find the word fugit as in "tempus fugit" – time is racing by on that same note. Who, apart from above-mentioned patient, has time to spare nowadays? We dentists understand this and do our best to stay on schedule and keep waiting time for patients as short as possible. We also try to complete as much dentistry in an appointment as possible to manage everyone's time and money responsibly. Sometimes this objective is achievable and sometimes it is not. Minimising dental time can be achieved with the new Miratray Implant impression tray.

Hole in the tray
I don't know how you favor it – my choice is the "open" impression technique where you safely affix the impression posts with the corresponding screws through holes in a customised tray. However, this method requires a second appointment, namely impression taking for the making of a customised individual tray. This second appointment requires additional time and money. So, if we want to take "open" impressions we either have to use the tray with holes or build our own from a disposable plastic tray, which is rather time-consuming and complicated. Or we can use the already mentioned Miratray Implant impression tray right from the start.

Fits instantly
Some applications require a totaly warp resistant tray. Meanwhile I have taken numerous impressions with the new Hager Werken system and did not notice a single mistake caused by an eventual inaccuracy of fit; remember that casting with modern plaster materials does not allow for warping. How is the aforesaid system supposed to work?

The Miratray Implant tray is based upon the clear foil technique, meaning a transparent (for ideal view) plastic foil serves as tray "bottom" (available in different sizes, dentulous or edentulous, for upper and lower jaw – Fig. 1). After having screwed the impression posts onto the implants, you fill the Miratray Implant tray with your usual impression material (heavy or putty body). Coat the impression posts with light body (low viscosity) impression material, and place the filled tray onto the impression posts. Gently press the tray downward or upward until the foil gets perforated by the impression posts (no interference with the impression posts occurs). After the curing process, loosen the screws of the impression posts and you receive an excellent impression with the fixed impression posts well embedded.

Overflow
Everybody who has ever taken an impression, is surely familiar with the smearing caused by the overflow of light body/low viscosity impression materials. This difficulty has been reduced with the introduction of the cartridge systems. However, I do still quarrel with the impression material overflow when using the pick-up method especially in the screw-slot opening. The clear foil of the Miratray Implant tray however keeps this opening "clean".

Have you ever had difficulties with the lack of space due to the position of the vestibular (or possibly lingual) frenulum? The Miratray Implant tray design allows easy "trimming" with a bur.

Fig. 1: The Miratray Implant impression trays are available in different sizes, dentulous and edentulous, for upper and lower jaw

Fig. 2: The innovative „foil technique" is revolutionary. It saves you the making of an (expensive) individual tray – however you customise your tray (billing!) – plus it saves you and the patient a second appointment.

Fig. 3: Easy and clean in handeling. No smearing when taking impression.

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Field test

I often rely on the experiences of colleagues when it comes to using a new product. My colleagues participated in a "field test" (using a large sample group) using this implant impression taking system.

The results showed that the Miratray Implant is very good, quite innovative and highly recommendable:

• 95 % of the users judged the application of Miratray Implant as being very simple, easy to use and quite practical.

• 90 % of the users stated that the quality of the impression taken with Miratray Implant equals those taken with a customised tray.

• 95 % of the product evaluators intend to keep on using the tray and would actively recommend it to their colleagues.

Evaluators praised Miratray Implant because of its good handling, the favorable price and immediate availability with special note regarding the elimination of a second patient visit and another impression needed.

Your patient

The aforesaid describes in just a few words the main advantages of this system, which already has many supporters. I think the fact that a product helps to save time and money, offers the highest possible quality impressions and features no disadvantages at all gives enough reason to leave the beaten path without regret.

Fig. 4: A familiar situation: Three implants with screwed-on implant posts for open impression (pick-up).

Fig. 5: Another specific feature: What to do if the tray is „too long" vestibulary making a correct impression impossible?

Fig. 6: With a bur you can easily adapt it to the individual requirements.

Fig. 7: You fill the tray with your impression material as usual.

Fig. 8: Put it onto the impression posts and perforate the foil with light pressure so that the screws are visible.
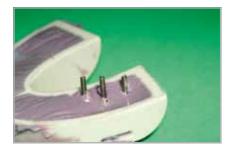

Fig. 9: Remove the screws when the impression material has cured. Screw them in again after you removed the impression with the embedded posts from the mouth.

Fig. 10: Safely fixed in the impression these are ready for making a laboratory model.

Fig. 11: Contemporary standard: customized ceramic abutments to avoid cementitis, with a „soul" of titan for safe screwing.

Fig. 12: Dentist and patient are very pleased with the result.

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