



Implant supply on a 46

A 65-year-old patient came to my attention for a horizontal fracture of element 46, which had been subjected to rhizectomy years before and rehabilitated with a crown by a previous colleague.

The tooth, which could not be furthermore rehabilitated, has been extracted and replaced with an implant on which the corresponding healing abutment was placed. A plastic impression tray was chosen based on the arch size, a hole was made in correspondence of the implant to allow the correct housing of the implant transfer.

The impression was taken with the customized plastic impression tray, using the pick-up technique, with **VSXE® One**, a monophasic material containing both vinyl polysiloxane and polyether, therefore having a particular fluidity and excellent hydrophilicity. Due to the particularly high final hardness (Shore A 65), **VSXE® One**

guarantees precise transfer and secure fixing of the transfers with no need to splint transfer. The occlusal relationship was recorded using **Futar® D**, a rapid polymerization silicone with high final hardness (43 Shore D). The impression of the upper arch was taken with **Silginat®**, a medium viscosity silicone with a final hardness of 45 Shore A. A temporary screwed resin crown was applied, followed by a zirconium crown screw retained at 35N.

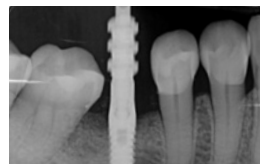
The use of high quality materials allows to simplify clinical procedures making them faster, more precise and to obtain excellent results.



RX initial situation



The transfer is placed and locked by transfer retaining screw



The transfer is placed, the hexagonal connection fully engaged



Modified impression tray is checked



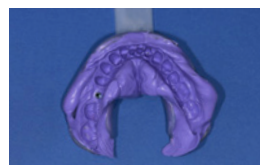
The hole made on the impression tray is closed with soft wax to avoid pressure loss during impression procedure



Impression material is contained by the impression tray, transfer retaining screw pass through wax



Healing abutment guides gum tissue to heal in a shape that will accommodate the final dental prosthesis



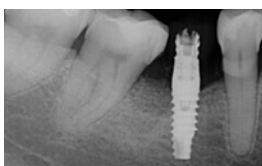
Full lower arch impression, transfer is embedded in the impression material, teeth and soft tissue perfectly recorded



The occlusal relationship is recorded with injectable, elastomeric bite registration material Futar® D, which has extra-high final hardness



Opposing jaw impressions with Silginat®, a medium-viscosity elastomeric silicone



The temporary screw retained crown is placed



Zirconium screw retained crown integrated with tissue and adjacent teeth



Hexagonal connection implant - crown fully engaged

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- Graduated with honors and a special mention from the University of Cagliari
- Master in Clinical Dentistry Orthodontics (United Campus of Malta HEI Foundation)
- Active member of Amici di Brugg
- Specialist in Orthodontics
- Certified member of the ESCD (European Society of Cosmetic Dentistry)
- 2014 Researcher, Faculty of Dentistry, McGill University, Montreal, Canada
- 2015–18 Clinical Tutor, Degree Course in Dentistry, University Cagliari.
- 2018–20 Professor, Course in Refinement in Restorative Dentistry, University of Foggia
- 2019/22 Instructor Courses in Direct and Indirect Restoration Q&O, Dr. Luca Tacchini.
- Clinical practice dedicated to Restoration and Orthodontics
- Self-employed in Vicenza, Brescia and Florence
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