

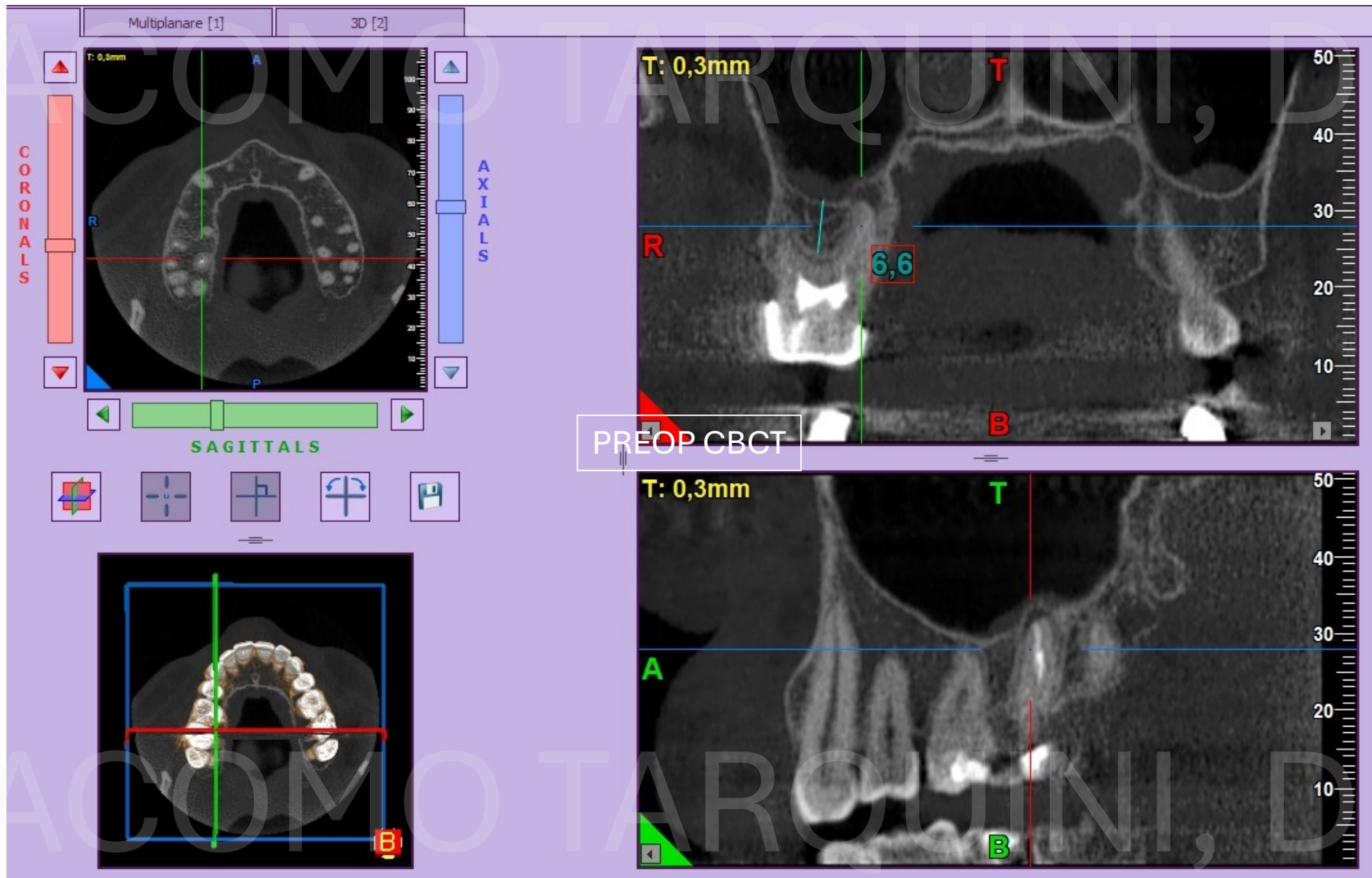
- **Introduction:**

- Immediate post-extractive implant placement offers indisputable advantages in terms of predictability of results, integration of the prosthetic restoration with soft tissues and reduced rehabilitation time.
- The Modular Surgical Drills (MSD) with variable geometry are 3-section helicoidal drills with progressive radius rake, that can be used clockwise and anticlockwise, which generates 3 different effects: 1) Anterior and lateral thrust of the bone removed by the tip, and of the liquids as well, blood and physiological water; 2) Ejection and "hammer effect" of the drill that produce an improvement in vertical
- The selection of an appropriately implant macrogeometry and grafting peri-implant gap significantly contribute to the maintenance of the residual alveolar bone crest.

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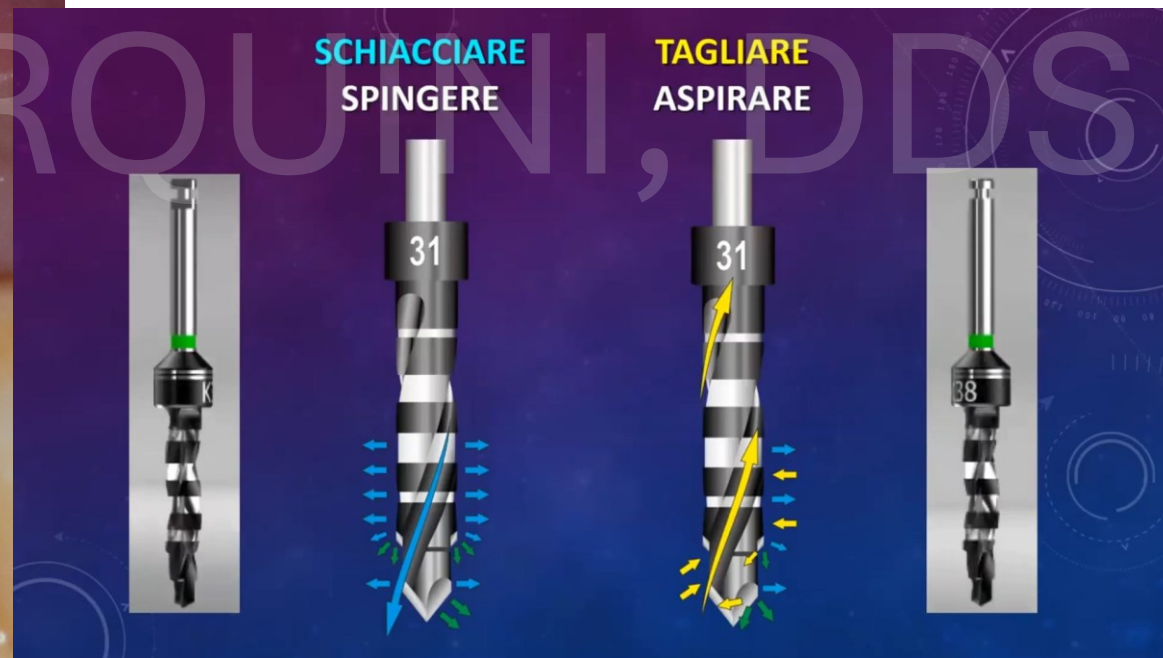
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# THE RESISTA'S IMPLANT LINE STRONG POINTS

1. Macro Geometry: A vast range of implant shapes for different surgical needs (Cylinder, Tapered, Active, Short, Mini and Extra-Large)
2. Micro Geometry: Last Generation Differentiated Surface (Full, Half and Machined) treated (DAE Micro and Nano rough), decontaminated in Argon Cold Plasma Reactor.
3. Multifunctional Mounter: 4 components in a single article (Mounter, Transfer, Abutment and Mounter for Computer Guided Surgery) to maximize result and minimize costs.
4. Prosthetic Parts: A very wide range of prosthetic variants with 7/10 micron machining tolerances on the connection, with emerging curvilinear profiles, flat and conical connections, platform switching, golden titanium screws and PVD TiN coatings (more aesthetic and less retention of dental plaque).
5. Surgical Instruments: Surgical Drills 3-Tech, maximum efficiency, minimum trauma, smaller friction coefficient, PRO MSD technology for counterclockwise bone densifying application long, lasting resistance, perfect visibility of laser marking and surgical millimeters stop.

# RESISTA PRO MSD SURGICAL DRILLS

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## RESISTA PRO MSD SURGICAL DRILLS - Modular Surgical Drilling

The Modular Surgical Drills with variable geometry are 3-section helicoidal drills with progressive radius rake, that can be used clockwise and anticlockwise.

The diameter of each drill changes according to a constant ratio of 0.4mm (30/34/38/42/46/50): this allows the operator to choose the drill according to the bone quality (over-preparation or under-preparation). All the drills are coated with a DLC (Diamond Like Carbon) synthetic diamond solid lubricant that maximizes performance in terms of mechanical strength and friction reduction.

The **anticlockwise rotation**, reversing the involved forces, generates 3 different effects on the implant tunnel perforation, which can revolutionize the known milling logic.

- 1) Anterior and lateral thrust of the bone removed by the tip, and of the liquids as well, blood and physiological water.
- 2) Ejection and "hammer effect" of the drill that produce an improvement in vertical control.
- 3) Reduction of cutting efficiency to protect sensitive anatomical parts.

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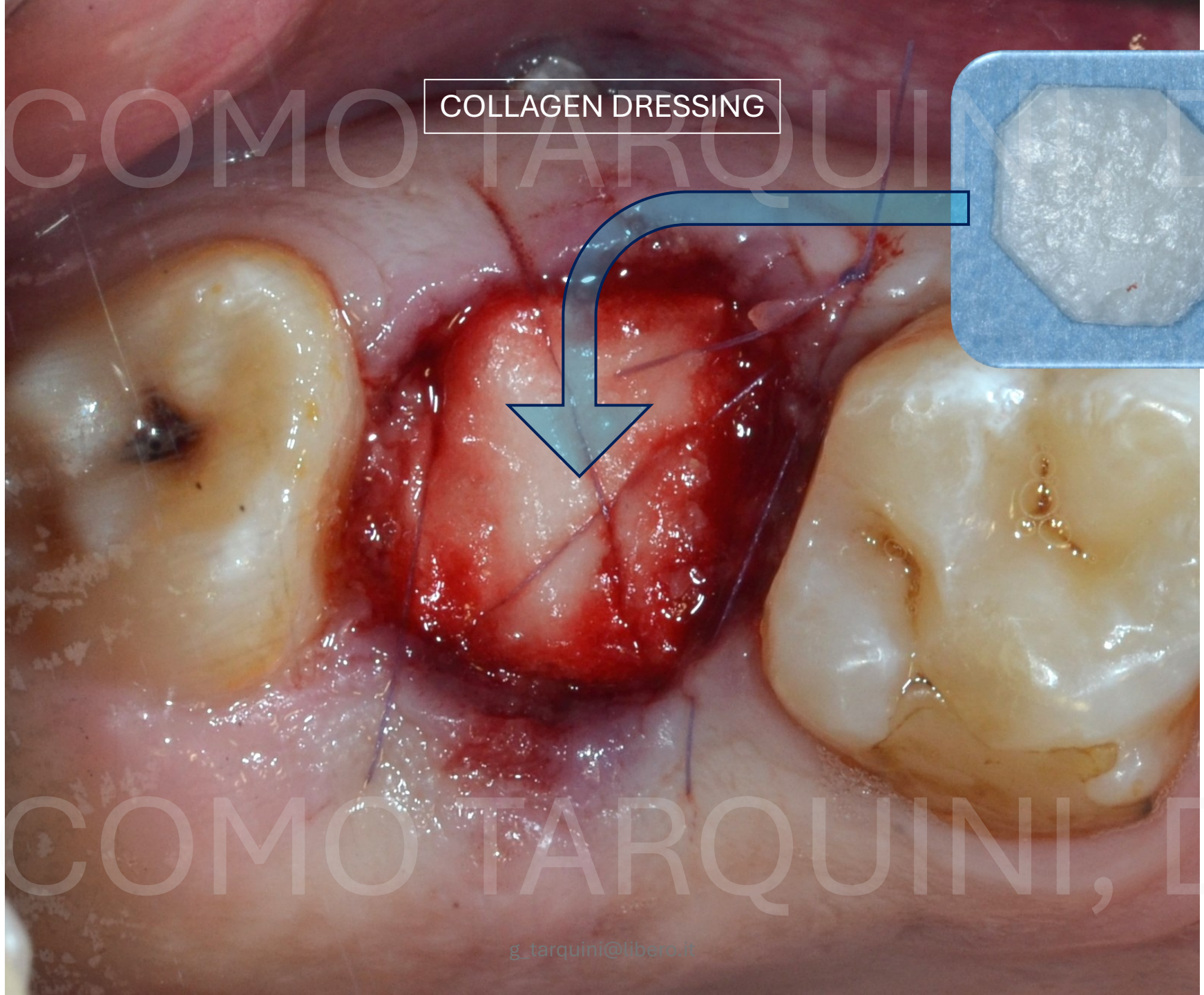
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BONE GRAFTING



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COLLAGEN DRESSING

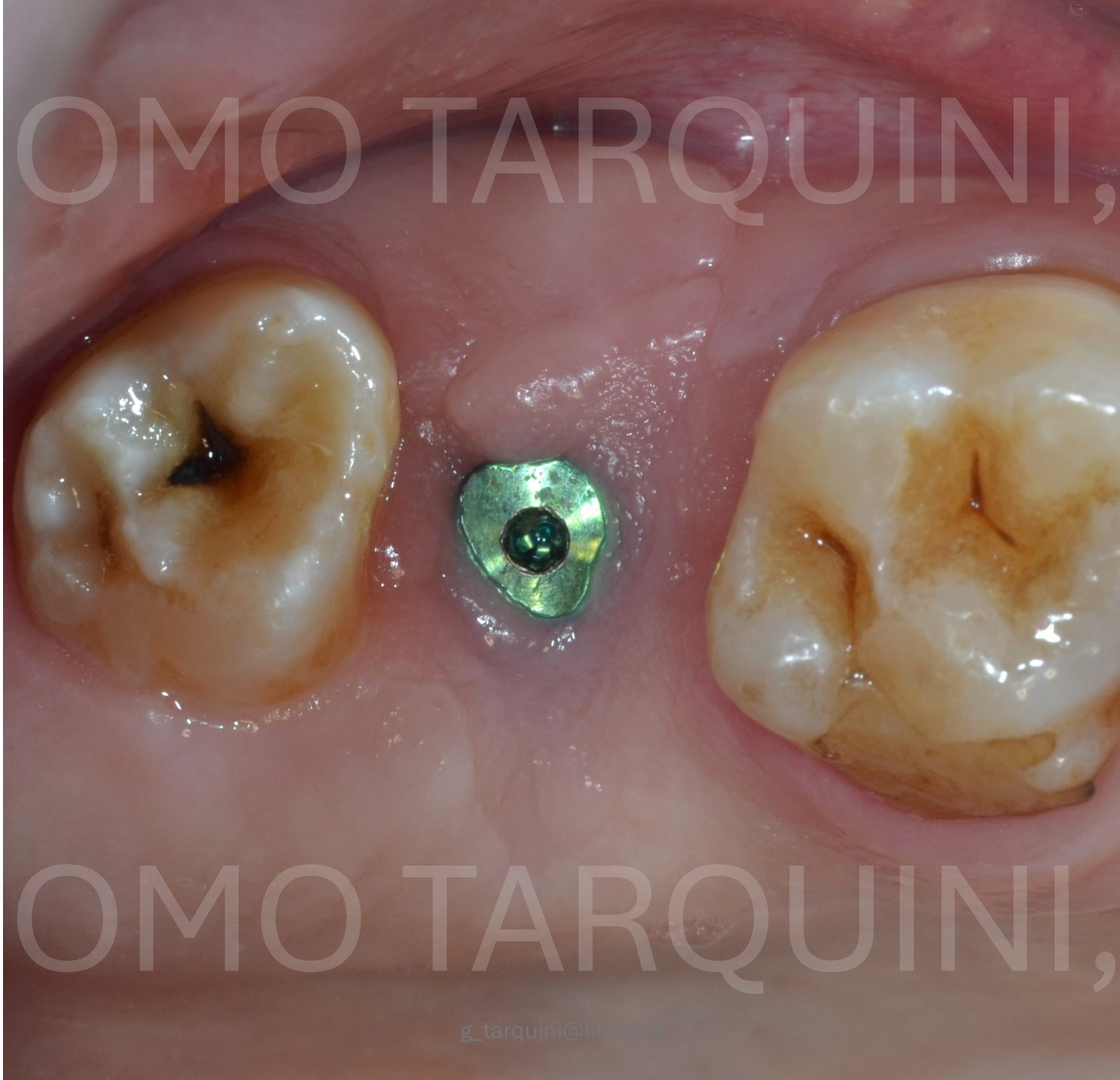


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6 MONTHS FOLLOW-UP



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5 YEARS FOLLOW-UP



5 YEARS FOLLOW-UP



## Riabilitazione di un sito monoedentulo mediante impianto postestrattivo a provvisorizzazione immediata

Giacomo Tarquini

### Introduzione

La sostituzione di uno o più elementi dentari giudicati non recuperabili con impianti endossei costituisce una pratica chirurgica ampiamente diffusa e largamente documentata.

Esistono, tuttavia, alcuni inconvenienti legati alla terapia implantare: essi sono rappresentati

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«With reference to the surgical protocol, three main critical points can be recognized: an atraumatic extraction aimed at preserving the walls of the socket as intact as possible, the immediate insertion of an implant with adequate primary stability and the preservation of the alveolar volumes by means of a biomaterial grafting»

- **Conclusions:**

- Immediate post-extractive implant placement offers indisputable advantages in terms of predictability of results, integration of the prosthetic restoration with soft tissues and reduced rehabilitation time.
- The Modular Surgical Drills (MSD) with variable geometry are 3-section helicoidal drills with progressive radius rake, that can be used clockwise and anticlockwise, which generates 3 different effects: 1) Anterior and lateral thrust of the bone removed by the tip, and of the liquids as well, blood and physiological water; 2) Ejection and "hammer effect" of the drill that produce an improvement in vertical
- MSD protocol is very useful to overcome the issues related to low density bone and/or limited vertical bone availability in maxillary post-extractive implants, thus avoiding the need for more invasive surgical procedures.