

A NEW TYPE OF DENTSPLY TILTED ABUTMENT IN A SCREWED RESTORATION

Maridati P, Cremonesi S, Maiorana C

Department of Dental Implants, Fondazione IRCCS Cà Granda, University of Milan
Ospedale Maggiore Policlinico, Milan, Italy



OBJECTIVES:

The aim of this clinical case is to show a new type of DENTSPLY Implants (Mannheim, Germany) tilted abutment and to test its use in an immediate full mouth rehabilitation.



METHODS:

A 45 years-old male patient presented to our observation with pain and instability of many teeth. After clinical and radiographical exams, it was decided to extract all the teeth. It was planned, for the upper jaw, the insertion of six dental implants, four of which with an external connection (XiVE TG®, DENTSPLY Implants) and 2 with an internal connection (XiVE S®, DENTSPLY Implants). Two tilted abutments (XiVE MP Abutment-SmartFix™ Concept, DENTSPLY Implants) were screwed into the implants inserted with an inclination of 30°. All the fixtures had an immediate-loading screwed restoration. In the lower jaw six dental implants (XiVE TG®, DENTSPLY Implants) were placed with an immediate-loading bridge restoration. Radiographs were taken after surgery and 12 months later.



RESULTS:

At 1-year follow-up no radiographical nor clinical differences were found between the implants positioned in a standard way and the tilted ones. The masticatory function was restored with a good aesthetic outcome. The patient was satisfied for the final result.



CONCLUSIONS:

The use of 30° tilted implants and SmartFix™ Concept (DENTSPLY Implants) allowed us to obtain an immediate screwed restoration avoiding sinus lift surgery, and facilitated impressions and prosthetical procedures. Further clinical cases and a longer follow-up are necessary to validate our result.