

Lithiumdisilicate Crowns over BioHpp After Immediate Implantation with Double-Guide Technique

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Abstract

Introduction: Immediate implantation was introduced to the "gold standard" implant treatment protocol as one of the treatments aiming to shorten the duration of the treatment and reduce the number of surgical procedures. In this case report, it is aimed to present the case of immediate implantations.

Case Report: A 72-year-old female patient was applied to our clinic with bleeding and bad breath. As a result of intraoral examination, periodontal disease and mobility was determined in the upper jaw and it was decided to extract all of the teeth and placing fixed prosthesis with implant support. After atraumatic extractions of 9 teeth, the immediate implants (MIS Implant Technologies, Israel) were placed by double-guides. Also, sinus lifting was performed over the guides for #16 and #26. The previously prepared temporary restoration was adapted and screwed on the same day, given the patient immediate aesthetic appearance and functionality. After 6 months, taken final impressions and the crowns of LiSi (GC Corporation, Japan) on the BioHpp substructure were bonded individually in the laboratory.

Pink composite is layered to provide pink aesthetics. Final prosthesis was screwed in one piece and the treatment was completed.

Discussion: Barzilay et al.'s study has concluded that osseointegration occurs after immediate implantation.

From the results of M. Sanda et al.'s systematic review and meta-analysis, there were no statistically significant differences in marginal-bone-level-changes around implants supporting a mandibular implant-overdenture irrespective of loading protocol.

Conclusion: The high success rate of dental implants has changed the quality of many patients' lives. Immediate implantations; reduces of surgical appointments, decreases time between tooth extraction and permanent restoration, prevents of bone resorption and preserves of soft tissue architecture. Good post-operative care combined with good surgical and prosthetic procedures after appropriate cases is the basis of success.

Keywords: Immediate implantation