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Novel approach in the treatment of a partially edentulous patient with immediate loaded implants: 1-year follow-up

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Depending on the developments in computer technologies, implant surgery techniques have several improvements during the last years. Since it is very important for a patient to have teeth in a day, flapless surgical technique with computer guided procedure is chosen for the immediate loading of implants. A 31 years old female patient with missing maxillary incisors was treated with surgical stent and computer guided flapless implant system (Materialize, Belgium, R2GATE and Megagen Implant Co, South Korea) for immediate loading of implants. In order to decide the correct locations of implants, computerized tomography and software programs were used. Before surgery, surgical guides, abutments and temporary crowns were manufactured and on the day of surgery implants were loaded with temporary crowns. Zirconium based restorations were prepared and cemented after 3 months of osseointegration. After one year of follow-up, no resorption around the implant was observed in the X-ray examination and also no gingival recession or inflammation was seen during clinical examination. The patient is satisfied with her restorations after one year of use. Since computer guided protocol has many disadvantages, it is a successful treatment option for edentulous patients who demand teeth on the same day of implant placement.

Biography

Qutada Ismael graduated from MSA University, Egypt in 2012. Now he is a Master's student in Prosthodontics Department of Marmara University, Dentistry Faculty, Istanbul, Turkey.

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