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Immediate loading of four implants in the edentulous jaws with full fixed prostheses: A report of two cases

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The All-on-Four treatment procedure provides edentulous patients with an immediately loaded, fixed denture using 4 implants (2 axially oriented implants in the anterior region and 2 tilted posterior implants). The purpose of this study was to evaluate the outcomes of a protocol for immediate function of four implants (Nobel Biocare, Zürich, Switzerland) supporting a fixed prosthesis in the completely edentulous maxilla and mandibula. A 50-year-old man, edentulous for a long period of time due to periodontal disease requiring a fixed prosthetic rehabilitation in the maxilla and mandible, and a 55-year-old full edentulous man requiring a fixed prosthetic rehabilitation in the maxilla, was referred to the Department of Prosthodontics, University of Marmara. The implant site was evaluated with Cone Beam Computed Tomography. Digital treatment planning of All-on-4 treatment has been carried out in NobelClinician Software. The NobelGuide flapless technique was used for minimally invasive treatment and the ideal position of the four implant was carefully installed by surgical guide. The polyvinylsiloxane impressions were made. The definitive, immediate loaded prosthesis was given to the patient after 24 hours. All-on-4™ procedure concept often result in lower costs because it allows prosthetic rehabilitation procedures with fewer implants versus traditional implant rehabilitation in edentulous patients. The advantages of immediate loading as reduced morbidity, high patient satisfaction, cost-effective treatment and the long term results of this technique should be considered when deciding alternative treatment options for an edentulous jaw.

Biography

Erkut Kahramanoğlu has completed his PhD from Marmara University and Postdoctoral studies from Marmara University Faculty of Dentistry. He is an Assistant Professor at the Department of Prosthodontics.

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