Full arch delayed implant placement with fully guided surgery. Case report

M. Solonko1, H. Ribeiro-Vidal1, E. Montero1,2, I. Sanz-Sanchez1,2, M. Sanz1,2.
1 - Master on Periodontology and Implants, Complutense University of Madrid, Spain
2 - ETEP (Etiology and Therapy of Periodontal Diseases) Research Group, Complutense University of Madrid, Spain

Introduction and Purpose

Aim: to present a case report of a prosthetically driven digital treatment planning and its subsequent execution, using the fully guided implant placement protocol, in a patient with generalised advanced chronic periodontitis.

Methods

A 58-year old partially edentulous female patient was referred to the post-graduate clinic of Master of Periodontology program of Complutense University (Madrid, Spain).

Chief complaint: my upper and lower teeth are moving, and I am looking for the fixed rehabilitation of my mouth.

Diagnostics and esthetic analysis

Diagnostic wax-up
Try-in

Teeth extraction

Immediate complete denture

Virtual planning of the surgical guide

The placement of six Conelog implants (Camlog, Biotechnologies AG, Switzerland) was planned and the surgical guide was designed for the protocol of fully-guided implant placement.

Try-in of the surgical guide

Surgical procedure

First implant placement, and insertion post left in place to ensure additional surgical guide stability

Restorative procedures

Conclusions

Complex treatment planning using digital approach may facilitate the process of implants placement, making it more safe and predictable, and improve the long-term functional and esthetic result of the complex rehabilitation.

Disclosure

The authors declare that they do not have any conflict of interest.