



TEETHXPRESS: A CASE REPORT ON SEVERELY RESORBED MANDIBULAR RIDGE

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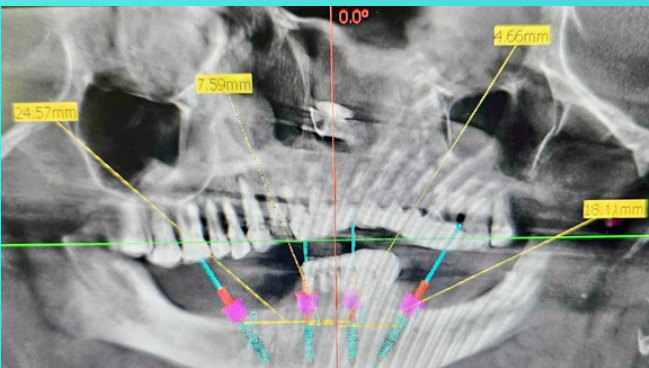


Background

For completely toothless patients, the process of delivering an implant-supported prosthesis might be virtually impossible without implementing intricate methods such as nerve relocation and grafting in the molar region of the upper and lower jaw.¹ In such circumstances, implant supported complete denture offers an effective solution.

In this case a 53 year old male patient visited the Department of Prosthodontics with the chief complaint of loosening of mandibular prosthesis and wanted its replacement with a fixed prosthesis. After conducting radiological examination it was concluded that the remaining of the patient's mandibular anterior teeth had poor prognosis and would require extraction few years down the line.

Therefore, TeethXpress was considered as the cost effective and less time-intensive option.



Aim

The team aimed to provide the patient with a cost- effective solution by immediately replacing the missing teeth without any esthetic impact on the patient in a short span of time.



Materials and Methods

Two straight implants 3.8mm x 12 mm (Biohorizons taper pro) were placed anteriorly. Two tilted implants 4.6mm x 15 mm (Biohorizons taper pro) were placed posteriorly at an angle of 30°.

Multiunit abutment was placed and an open tray impression was taken with an elastomeric impression material. Jig trial was done after which jaw relation was taken and try in was done. Interim denture was fabricated.

Exerting a slight load on healing bone reduces the healing time instead of lengthening it. Therefore, the implants were immediately loaded with an interim denture



Conclusion

TeethXpress provides simple and reliable results in patients with edentulism by enhancing the patient outcomes, cutting the treatment costs and reducing discomfort.

A study conducted by Paul Malo in 324 individuals with completely edentulous jaws who received All- on- 4 treatment approach reported the survival rates for the implants to be 95.4% at 7 years which confirms the predictability and safety of this treatment approach.²

Alessandro Agnini found the cumulative survival rate for TeethXpress to be 97.94% in 38 patients at about 43 months which confirmed that immediate loading of the implants provided an effective treatment approach for rehabilitation of edentulous arches.³



References

- 1.Soyfer V. Treatment Concept in Dental Implants.
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3. Agnini A, Apponi R, Martin R, Agnini A. Clinical Investigation of an Immediate Load Protocol Using Axial and Tilted Implants to Treat Patients with Failing Dentition or Complete Edentulism: Preliminary Results of a Multicenter Cohort Study. Journal of Cosmetic Dentistry. 2020 Jan 1;35(4).