

CRNC6: Prosthetic Rehabilitation with Orthognathic Surgery after Dental Implant for the Patient with Mandibular Prognathism and Loss of Posterior Teeth: A Case Report

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Introduction: To report the satisfying result of the aesthetic improvement and the recovery of masticatory function with orthognathic surgery after implantation on posterior missing site, considering final oral rehabilitation of the mandibular prognathism patient.

Case Description: The patient in this case showed up with the chief complaints which are mandibular prognathism and difficulty on mastication. Skeletal malocclusion class 3 was diagnosed and multiple caries teeth were extracted. Because it was difficult to obtain adequate intermaxillary relationship for orthognathic surgery when vertical stop was lost after extraction, implantation was planned before the surgery. When the intermaxillary relationship was stabilized after the surgery, final zirconia prostheses were delivered via taking maxillary and mandibular impression.

Discussion: After the final delivery, the patient was satisfied aesthetically and functionally. The prognosis is assessed via periodic observation.

Conclusion: The satisfying results of aesthetic improvement and the recovery of masticatory function in the mandibular prognathism patient with occlusal collapse were accomplished by orthognathic surgery after implantation on posterior missing site.

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