

## **51. Evaluation of edentulous patients rehabilitated with immediate loaded implant retained mandibular overdenture – an in-vivo study**

Kiran Awchat

Military Dental Centre, Nasirabad

Background: in rehabilitating completely edentulous patient with implant overdentures, patient satisfaction, timing of

loading and number of implants are critical factors. Even though the success of immediately loaded implant overdentures have been reported in the literature, yet limited studies are available regarding outcome of this treatment modality in the indian population. . Methods: a total of 15 completely edentulous patients, in the age group of 40-70 years were selected. Complete dentures were fabricated with a balanced occlusion and inserted in the patient's mouth. After 2 months, the same patients were taken up for implant placement and post operatively implants were evaluated for clinical parameters . Results: the entire 15 completely edentulous patient according to inclusion and exclusion criteria responded favourably to immediate loading. The patient satisfaction and masticatory capability scores (by questionnaire) significantly increased at 6-month and 12-month follow-up compared to the baseline scores (p-value<0.001 for both). However the probing depth around implant showed marginal increase at 6 and 12 months compared to baseline.. Conclusion: within the limitations of this study patient's satisfaction and masticatory capacity improved significantly with immediately loaded implant overdenture. The overall patient acceptance of the prosthesis, comfort level, social interaction also increased significantly with immediate loaded implant retained overdenture compared to complete denture.

DOI: 10.4103/0972-4052.246663