

## عنوان مقاله:

The Relationship between Temporomandibular Disorders (TMDs) and Overall Denture Conditions in Complete Denture Wearers

## محل انتشار:

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## خلاصه مقاله:

**Introduction:** The aim of this study was to investigate whether there is any relationship between the condition of complete dentures and TMDs. **Methods:** The sample consisted of 61 consecutive patients (35 females and 26 males) who were admitted to the Department of Prosthodontics of Mashhad Faculty of Dentistry for fabrication of new complete dentures. The age range of the participants was between 32 and 80 years, with the mean age of  $57.05 \pm 10.26$  years. The patients were examined by two prosthodontists. Using a questionnaire, the first prosthodontist asked the patients about their habits and history of trauma to the temporomandibular joints (TMJs). She then examined the participants for signs and symptoms of temporomandibular disorders (TMDs). The second prosthodontist examined each participant's existing denture and checked its fit, stability, retention, occlusion, and centric relation, and recorded how long it had been in service. The examination was double blind. The data were recorded in examination sheets. **Results:** The relationship between TMDs and denture fit, stability, retention, centric relation and occlusion was analyzed using Fisher's Exact Test. No significant relationship was found between denture characteristics and TMDs in complete denture wearers ( $P\text{-value} > 0.05$ ). **Conclusion:** Complete denture characteristics did not play a role in the development of TMDs in edentulous patients.

## کلمات کلیدی:

complete denture, edentulous patients, temporomandibular disorders

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