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the dislodging muscle energy can easily become a retentive and stabilizing force. This clinical report describes a modification of the conventional neutral zone technique using improvised procedures to minimize chairside visits for a patient with an atrophic mandibular ridge and neuromuscular incoordination.

Keywords: neutral zone, atrophic ridge, admix material, neuromuscular incoordination, complete dentures.

PP 161 THE QUALITY OF LIFE FOR ELDERLY PATIENTS WITH REMOVABLE DENTURE

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17 - REMOVABLE PROSTHODONTICS

Background: Quality of life for elderly patients with removable dentures is a very important aspect related to rehabilitation of oral functions, for a better general and oral health status. This study focused on evaluating the OHIP-20 questionnaires which were completed by a group of 114 patients (average 65.5 years old) with removable prostheses, mainly urban areas provenance (77%), during 18 months, in 3 private practices. The data recorded according to the questionnaires were statistically processed using the SPSS 20.0 software. The analysed data generated a series of results that rated an average quality of life (with a mean variability between 41 and 44, $p < 0.05$, CI 95%). The main aspects mentioned by the patients in their questionnaires, were the functionality of removable dentures, emotional and functional well-being, as well as the aesthetic rehabilitation offered by these prostheses. The results of the study showed a correlation between the physical, psychological and social factors that contribute equally to the quality of life for removable prostheses wearers, demonstrating the multidimensional character of OHRQoL.

PP 162 PREVALENCE OF TEMPOROMANDIBULAR DISORDERS IN COMPLETE DENTURE WEARERS

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17 - REMOVABLE PROSTHODONTICS

Background: Occurrence of temporomandibular disorders increases with tooth loss, people who have over 10 tooth loss may have a higher risk of temporomandibular disorders. Epidemiological prevalence studies have shown that up to 50-70% of the population may experience at least one temporomandibular disorders sign. **Aim:** The aim of the study was to determine the prevalence of temporomandibular disorders in complete denture wearers. **Materials**

and Method: A total of 200 patients were selected from dental outpatient department. Patients was divided in two groups: group A - patients with complete dentures and group B - dentate patients. They were subjected to clinical examination and questionnaire for temporomandibular joint. Bilateral palpation was done to assess joint tenderness. Joint sounds were determined with the stethoscope. Mouth opening was measured using a digital caliper. Masticatory muscles were palpated for any signs and tenderness. **Results:** Results of this study showed that there was a difference between the two groups about the prevalence of temporomandibular disorders. The prevalence of temporomandibular disorder signs was 25.2% while it was 10.3% in complete denture wearers. **Conclusion:** Dentists and complete denture wearers should be aware of the new situation and changes in temporomandibular joint resulting from wearing of dentures.

Keywords: complete denture, masticatory muscles, patients, temporomandibular joint, wearers.

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REHABILITATION OF A BALL ATTACHMENT RETAINED REMOVABLE PROTHESIS PATIENT COMPLAINING LACK OF RETENTION: A-CASE REPORT

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17 - REMOVABLE PROSTHODONTICS

Background: Implant supported removable prosthesis are highly preferred among edentulous patients due to their low cost, moderate chair time and easy hygiene maintenance. If additional retention and stability are required, bar attachments can be a suitable choice, especially for two implants supported overdenture designs. A 65 years old male patient admitted to Yeditepe University Faculty of Dentistry Prosthodontics Department with the main complaint of “insufficient retention of implant supported removable overdenture”. After the clinical and radiological examinations were completed, any obstacle wasn’t found for the treatment. The undesired movements of the denture were related to the abrasion of ball attachment abutments. Because of the patient’s inadequate financial capacity for extra implant surgeries; a dolider bar design was planned for the existing implants. The ball attachments of Astra Tech implants were removed. Then the prosthetic procedures carried out and the new OD-2 prosthesis design was made. New retentive prosthesis fitted on the patient. This case report describes the application of a bar attachment retained prosthesis to the patient who had a ball attachment retained removable prosthesis complaining lack of retention.

Keywords: masticatory muscles, patients, temporomandibular joint, wearers.