

Effect of comprehensive prosthodontic rehabilitation on the Quality of life of patients with temporomandibular Joint dysfunction in need of a full mouth reconstruction

Dzalaeva Fatima

The Moscow State University of Medicine and Dentistry, Russian Federation



Abstract

Objective: Evaluation of the effectiveness of various approaches to prosthodontic rehabilitation of edentulous patients with temporomandibular joint dysfunctions based on their life quality indicators.

Methods: We carried out a comprehensive examination and treatment of 647 edentulous patients in need of a full mouth reconstruction. The patients were divided into 3 groups: patients in group 1 (n = 218) were treated with standard methods of prosthodontic dentistry; patients in group 2 (n = 195) were subjected to certain elements of the interdisciplinary approach to prosthodontic rehabilitation; patients in group 3 (n = 234) were fully subjected to the interdisciplinary approach to prosthodontic rehabilitation, taking into account the patient's individual anatomical and physiological characteristics. The follow-up of the patients included in the study was carried out for 7 years. The key stage in the treatment of patients of group 3 was a complete and consistent examination of patients with procedures supplemented by the detection of the temporomandibular joint dysfunctions. The causal relationships of these dysfunctions with malocclusion were identified in order to plan the prosthodontic treatment. Dental quality of life of patients was assessed using OHIP-14 questionnaire.



Results: It was found that the improvement of the condition of the temporomandibular joint when the interdisciplinary approach to prosthodontic rehabilitation is used is manifested by statistically significant (relative to the characteristics of comparison groups) changes in indicators: decrease in the patterns of pain in the joint area according to a visual analog scale, more pronounced (in comparison with the group of patients who were subjected to a standard complex of treatment and rehabilitation procedures) decrease in all scores of OHIP-14

questionnaire, indicating an improvement in the patients' quality of life.

Conclusions: Application of the interdisciplinary approach in the course of prosthodontic rehabilitation facilitates pronounced and persistent improvement in the indicators of the dental quality of life of edentulous patients in need of a full mouth reconstruction.

Biography:

A PhD academic and a co-founder of the dental center, who researched, developed and patented a medical method implemented by the dental center. The patent is filed and obtained in Russian Federation, China and Japan. As a Head of Development in a previous company has expanded the clinic, increased its patient flow, revenue and customer satisfaction. An author of 2 published books and 20+ publications in dental.

Speaker Publications:

1. Study of the Clinical Efficiency of an Interdisciplinary Approach to the Treatment of Orofacial Pain and Temporomandibular Joint Disorders in Patients with Complete or Partial Edentulism, Eur J Dent DOI: 10.1055/s-0040-1714764
2. Dzalaeva, Fatima & Chikunov, Sergey & Utyuzh, Anatoly & Mikhailova, Maria & Budunova, Marzhanat (2020) Assessing Safety and Clinical Effectiveness of New Approaches to Planning and Integrated Implementation of Full-Mouth Reconstruction. European journal of dentistry. 10.1055/s-0040-1715989.

8th Annual Congress on Dental Medicine and Orthodontics:

Dubai, UAE -August 10-11, 2020

Abstract Citation:

Dzalaeva Fatima, Effect of Comprehensive Prosthodontic Rehabilitation on the Quality of Life of Patients with Temporomandibular Joint Dysfunction in Need of a Full Mouth Reconstruction, Dental Medicine Congress 2020, 8th Annual Congress on Dental Medicine and Orthodontics; Dubai, UAE - August 10-11, 2020
<https://dentalmedicine.dentalcongress.com/2020>