

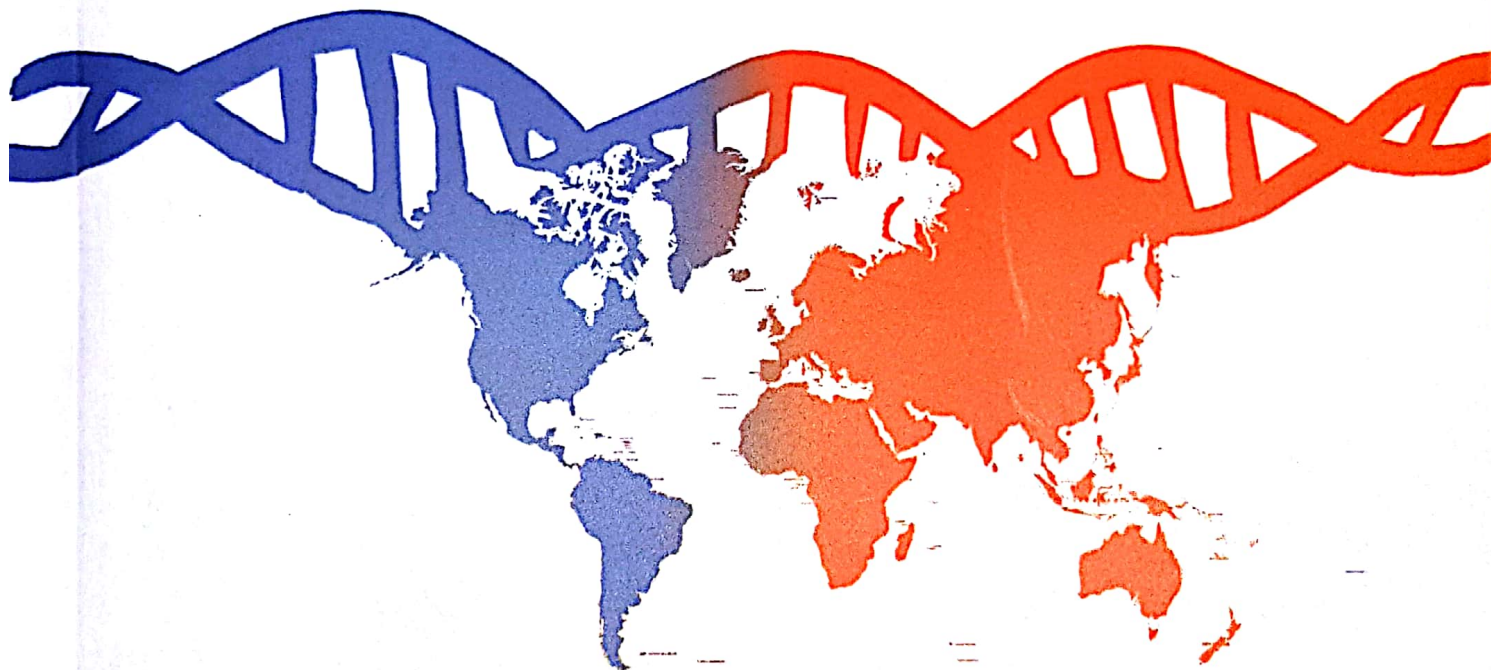


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PROSTHETIC TREATMENT VARIETIES IN EDENTULOUS PATIENTS

Authors: D. Davidov, O. Cheptanaru

University: State University of Medicine and Pharmacy " Nicolae Testemitanu"

Country of University: Republic of Moldova

Introduction: Total edentulous condition is the state of missing all teeth in the oral cavity. There are two possible ways of rehabilitation of the total edentulism in today's dentistry: first – removable complete-dentures fabrication, second – dental implant application with special prosthetic appliances, such as, over-dentures or screwed retained dentures (hybrid dentures).

Aim: To provide an overview and comparison of the masticatory efficiency and patient satisfaction, basing on literature and clinical cases, between complete removable dentures, implant-supported overdentures and screwed-retained dentures, as prosthetic treatment varieties for edentulous patients.

Materials and methods: An electronic Medline search was performed for studies published between 1980 and 2014, and it was completed with an additional hand search of selected journals and reviews published between 1991 and 2010. Nine patients, aged between 55 and 71 were invited to participate in this study. All patients were informed about the characteristics of the study and granted a signed consent form. All of them presented edentulism in the upper or lower jaw. The study was performed over a period of 18 months and included questionnaires of satisfaction degree and masticatory efficiency.

Results: Patients treated with Conventional Complete Dentures showed 50% satisfaction level. Patients treated with Implant Supported Overdentures showed 81% satisfaction level. Patients treated with Implant Screwed Retained Dentures showed 92% satisfaction level. Patients treated with Conventional Complete Dentures indicated 40% masticatory efficiency. Patients treated with Implant Supported Dentures indicated 75% masticatory efficiency. Patients treated with Implant Screwed Retained Dentures indicated 90% masticatory efficiency.

Conclusion: Patients rehabilitated with Implant Screwed-Retained Denture showed greater satisfaction and masticatory efficiency degree than those who were treated with Implant Supported Overdentures or Removable Complete Dentures.

Keywords: Edentulous, Dentures, Satisfaction.

Contact authors at: Mihai Viteazul 1A, Chishinu, Moldova. Zip code: MD-2004.