

THE IMMEDIATE AND DELAYED LOADING OF DENTAL IMPLANTS

Melnic Svetlana¹, Uncuta Diana¹, Postaru Cristina²

¹ Department of Stomatological Propaedeutics *Pavel Godoroja, Nicolae Testemitanu* State University of Medicine and Pharmacy, Chisinau, Republic of Moldova

² Department of Pediatric Surgery OMF *Pavel Lupan, Nicolae Testemitanu* State University of Medicine and Pharmacy, Chisinau, Republic of Moldova

Introduction: Implant supported restorations for partially edentulous patients are a well-accepted and predictable treatment modality. Provisional restorations may be used at the time of implant placement or after an appropriate healing period.

Purpose of the paper: comparative study on treatment of prosthetic implants in different loading times.

Materials and methods. We applied the retrospective, cohort prognosis. Between 21 January 2021 and 25 June 2025, according to the protocols of loading were examined 20 patients (10 women, 10 men) age between 22-60 years, who were divided in 2 groups: study and control). Dental implants in the study group were solved by temporary crowns with occlusal contact at the same day and in the control group was applied a temporary crowns in the occlusal contact by delayed protocol (6 month), after that were changed with porcelain fused to metal crowns.

Results. All dental implants were successfully osseointegrated. After the statistical analysis it was revealed a negative correlation between the gingiva thickness and mucosal recession. Mann Whitney test and t-Student test showed no statistical difference between groups.

Discussion and conclusions. Implant supported-prosthesis treatment restoring the integrity of dental arches and masticatory activity in a short time; the teeth bordering the gap are not prepared; stopped dental migration in vertical and in horizontal plane, and maintaining initial prosthetic space; provisional restoration evaluate the position and contours of the planned definitive restoration, which has immediate comfort and aesthetics. After this treatment we received: a well-defined interdental papillae, healthy looking and well-defined aesthetic.

Key words: dental implants, immediate and delayed loading, primary stability of dental implants, implant restorations, Periotest values®.