

mechanical properties (wear resistance, durability); high radioopacity and very low polymerization shrinkage.

Conclusions. Dental composites are complex restorative materials, but for lasting restorations and very good aesthetic results we must rely on scientific considerations.

Key words: dental restorations, CLEARFIL AP-XEstheticsFlow, odontous lesions

316. MODEL ANALYSIS BY GERBER`S PRINCIPLE VERSUS CLASSICAL ANALYSIS

Author: **Cosmin Stan**

Scientific adviser: Dorina Cerasella Șincar, Associate professor; Gabriel Valeriu Popa, University assistant

Dunarea de Jos University, Faculty of Medicine and Pharmacy, Galati, Romania

Introduction. The model represents the exact positive copy of the total edentulous prosthetic field. The models are analyzed both separately, before mounting in the articulator, and simultaneously, as a whole, from the front and the side view after being mounted in the articulator.

Aim of the study. Total edentulousness is a dental disease becoming more common in the population. Through oral rehabilitation of total edentulous patients the aim is to reestablish the functions of the stomatognathic system: mastication, phonation, deglutition and patient physiognomy.

Materials and methods. The study was conducted over a period of 4 months, June-September 2017, on a number of 30 complete edentulous patients in Galati county, 18 patients received dentures made by the classical method of mounting the teeth of Gysi, and 12 patients received dental prosthesis made according to Gerber`s modern method of mounting the teeth.

Results. The outcomes were assessed taking into account the patient satisfaction regarding mastication, phonation, improvement of esthetic appearance and acquiring a greater comfort in wearing the denture in the case of denture wearer patients according to Gerber`s modern method of mounting the teeth.

Conclusions. The Gerber method uses teeth mounting placing the last molar before the red line and ensuring a better stability of prosthesis on the total edentulous prosthetic field. A dental prosthesis made to reproduce as accurately as possible the stomatognathic system functions and to be easily accepted by the patient, guarantees the treatment`s success.

Key words: total edentulousness, model analysis, Gerber`s method

317. THE USE OF COLLAGEN SPONGE IN SOCKET PRESERVATION

Authors: **Marina Cretu, Vlad Badan**

Scientific adviser: Andrei Mostovei, MD, PhD, Associate professor, Department of Oral and Maxillo-facial Surgery and Oral Implantology *Arsenie Guțan*

Nicolae Testemitanu State University of Medicine and Pharmacy of the Republic of Moldova

Introduction. Due to the development of oral implantology, socket preservation became a widely discussed theme in the professional literature. Different augmentation materials are used for it. The use of collagen sponges as a filler is considered a good alternative for socket preservation with a minimum impact upon bone formation.

Aim of the study. The aim of this study is to analyze the effect of Collagen sponge upon postextractional socket healing.

Materials and methods. A clinical study has been performed on three patients with periapical chronic inflammatory processes. All these patients were supposed to tooth extraction and