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CURRENT TRENDS  
AND ADVANCES IN  
**DENTISTRY**

**ABSTRACT**  
**BOOK**

FIRST EDITION

\*The second edition with correction of all unintentional, technical errors and deficiencies  
will be available by 09.09.2023



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# POSTER PRESENTATIONS



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surgical treatments are necessary.

**AIMS:** To present the course of treating a gingivitis in a patient who required replacement of old fixed partial denture (FPD).

**MATERIALS AND METHOD:** 52 years old patient came for replacement of a fixed prosthetics construction with surrounding inflammation and gingivitis. The therapy began with cleansing tartar, subgingival concernments, tender sediments and removal of necrotic cement. We did rinsing with 3% H<sub>2</sub>O<sub>2</sub> and Betadine 1%. After removing of old crowns (16, 17) surgical therapy was performed with reverse angle sectioning of the gingiva and removal of the pathologically changed tissue - gingivectomy and gingivoplasty. The wound was closed with single interdental stitches. The whole procedure was conducted under the antibiotic therapy. The patient was given directions for maintaining the oral hygiene on higher level.

**RESULTS:** The examination was conducted after 30, 60 days and 2 years after placement of fixed dental prosthesis along with the oral hygiene instructions. After 7 days the stitches were removed and the patient was given new instructions for oral hygiene maintaining. 30 days after the intervention we noticed a significant gingival recovery. After 60 days new crowns were cemented.

**CONCLUSION:** In 2 years follow up we found a complete recovery of the gingiva and perfect healthy pink color. The patient was completely satisfied with performed intervention.

**Keywords:** gingival inflammation, gingivectomy, gingivoplasty

#### PP-36

#### HUMAN IMMUNE RESPONSE OF ODONTOGENIC RESIDUAL CYST (CASE REPORT)

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**INTRODUCTION:** Odontogenic residual cysts are the most common odontogenic inflammatory cysts. Immunopathological reactions play a dominant role in their etiopathogenesis. The aim of this study was to determine the presence of T and B lymphocytes cells in the inflammatory infiltrate by applying immunohistochemical method in a patient with residual cyst in the lower jaw.

**CASE REPORT:** A 62-year-old woman with a residual cyst in the lower jaw was admitted to the Oral Surgery Clinic. Enucleation in toto of the cyst was performed and pathophysiological and immunohistochemical analysis were made.

Analysis confirmed the diagnosis of residual cyst in the mandible with the presence of multilayered squamous epithelium beneath which is an inflammatory infiltrate with granulation tissue with predominance of T lymphocytes versus B lymphocytes and rare resident macrophages.

**CONCLUSION:** The use of pathophysiological and immunohistochemical analyzes proves the presence of cellular and humoral immune responses and their role in the etiopathogenesis and development of cyst.

**Key words:** residual cyst, pathophysiological, immunohistochemical, human immune response.

#### PP-37

#### MULTIPLE DIASTEMA CLOSURE WITH ONE SHADE COMPOSITE FOLLOWING ORTHODONTIC TREATMENT: A CASE REPORT

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**INTRODUCTION:** Maxillary anterior diastema is a common aesthetic complaint of many patients. Diastema closure with composite restoration has become one of the most popular treatment option to satisfy patient's expectations.

**AIMS:** The aim of this case report was the multiple diastema closure of anterior teeth with one-shade