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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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the maxillary sinus, cystic cavity, etc.

**METHODS AND PROCEDURE:** A female patient at the age of 30 was admitted to the University Clinic for Oral Surgery in Skopje, referred by her family dentist, with an extraction of tooth 16 (the upper right first molar) in progress, during which the buccal roots were extracted while the palatal root was pushed into the cystic cavity.

**RESULTS:** The palatal root was removed from the cystic lumen, and a complete cyst enucleation - enucleation in toto - was performed without opening the maxillary sinus. The obtained material was sent for pathophysiological examination. New bone beams are observed in the cystic space 8-12 weeks post-surgery.

**CONCLUSION:** Teeth extraction should be approached seriously, with a prior exhaustive history, intraoral status, and a mandatory X-ray of the patient,

**Keyword:** cysta radicularis, cistectomy, sinus aperta, radix relicta

#### PP-15

#### APPLICATION OF PIEZOSURGERY IN EXTRACTION OF IMPACTED CANINES (case report)

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**INTRODUCTION:** The permanent canines and wisdom teeth are most affected by impaction. Regarding the impacted canines, orthodontic traction and self-transplants are potential treatment options but many factors have to be considered when performing these interventions: patient age, root formation stage and tooth development, angulation, absence of root dilacerations, extensively of the osteotomy etc. In cases where these two treatment options are unpredictable or contraindicated, a surgical extraction of impacted tooth is a method of choice.

**AIM:** The aim is to present a piezosurgery-assisted extraction of impacted canine evaluating advantages and disadvantages when compared to osteotomy with conventional rotatory instruments.

**MATERIALS AND METHOD:** A 14 years-old female was referred to our clinic with complaint for absence of the right maxillary canine. CBCT scan revealed impacted maxillary right canine, Class III by Archer. Due to the unfavorable position and curved root, orthodontic traction treatment was considered as contraindicated, so we proceeded with a tooth removal using piezo surgical device.

**RESULTS:** Piezosurgery showed less damaging of adjacent tissue and less heating during the procedure, shortened postoperative period and patient discomfort, as well as lower inflammatory response.

**CONCLUSION:** Taking into account the advantages over disadvantages of using the piezo approach for extraction of impacted canines, we can recommend this method with full confidence and predictable outcomes.

**Keywords:** impacted canine, piezo surgery, tooth extraction.

#### PP-16

#### ASSESSMENT OF AESTHETIC EFFECTS AFTER LASER-ASSISTED CROWN LENGTHENING IN THE FRONTAL AESTHETIC REGIONS

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**INTRODUCTION:** The crown lengthening in the frontal aesthetic regions includes removal of the incorrectly positioned gingiva and restoration of its margins, within acceptable limits for aesthetics. The crown lengthening can be performed much simpler with the help of lasers. Starting from the fact that aesthetic smile is more