INTRODUCTION:
Apicectomy has become an integral part of a comprehensive dental treatment. Generally, endodontic surgery is required to retain teeth that have persistent periapical pathosis after conservative root canal treatment. The primary objective of apicectomy is to eradicate the etiological agents of periapical pathoses and to restore the periodontium to a state of biological function.

AIM:
The aim of this study was to evaluate patient experience of quality of life following apicectomy using two different flap design gingival (envelope) and semilunar.

MATERIAL and METHOD:
The study consisted of 60 patients referred for oral surgical treatment – apicectomy with perialpical osteotomy on frontal teeth. One operator were carried out the treatments. All patients were given a questionnaire with 15 questions to evaluate their quality of life for 7 days after the oral surgery interventions. The patient's answers were referred as: not at all - 1; very little - 2; some- 3; quite a bit - 4; very much - 5). An equal number of patients were assigned to each group. Group 1 was treated by apicectomy with gingival flap design and Group 2 was treated by apicectomy with semilunar flap design. The statistical evaluation included descriptive and analytical methods.

RESULTS:
The average time needed for completion the surgical procedure was approximately 45 minutes. The results showed that patients in Group 1 reported significantly more pain and took significantly more analgesics on day 3. On days 1 and 2, patients of the Group 2 reported significantly more difficulty in mouth opening, mastication, and the ability to speak.

CONCLUSION: High incidence of symptoms were reported by the patients in both groups. There were no significant differences found in the distribution of patients according to age, gender, periradicular diagnosis, and site of operation between the two groups. The apicectomy procedure using semilunar flap design provided significantly less postoperative pain, but more difficulties in mouth opening, mastication, and the ability to speak immediately postoperatively.

TABLE I. Quality of life questionnaire

Day 1 - Not at all (1) Very little (2) Some (3) Quite a bit (4) Very much (5)

- Do you experience any difficulties with chewing?
- Do you experience any difficulties with speaking?
- Do you experience any difficulties with swallowing?
- Have you missed your work/school?
- Do you experience any difficulties with your daily activities?
- Do you have swelling?
- Do you have bruises?
- Do you have bleeding?
- Do you feel nauseous?
- Do you feel a bad taste or breath?
- Do you have difficulty in work/school?