

## **DIFFERENCES IN ANXIETY BEFORE AND AFTER ODONTECTOMY WITH LOCAL ANESTHETICS IN PATIENTS AGED 17 – 28 YEARS**

Anisha Permatasari\*, Siti Sulastrri, Eldarita  
Department of Dental Nursing, Health Polytechnic of the Ministry of Health,  
Yogyakarta  
Jl. Kyai Mojo no 56, Pingit, Yogyakarta  
\*Email: [permatasarianisha2@gmail.com](mailto:permatasarianisha2@gmail.com)

### **ABSTRACT**

**Background:** Odontectomy is a procedure for removing impacted teeth or by surgery. The impact of impacted teeth is the presence of pain to inflammation, so that odontectomy often causes anxiety for patients. Based on a preliminary study that will perform odontectomy with local anesthesia, it was found that 50% felt anxious about the anesthesia to be given, 30% felt anxious when they found out that odontectomy would be carried out, and 20% did not feel anxious.

**Objective:** To know the difference in anxiety before and after odontectomy with local anesthesia in patients aged 17-28 years.

**Research Methods:** This research is an analytical observational approach with a cross sectional design. The subjects in this study were subjects who visited the Masykur Denta Medika Clinic as many as 30 respondents using accidental sampling technique as the sample method. Questionnaires were used to collect data and MDAS (Modified dental anxiety scale) was used for anxiety levels. The research variables were odontectomy with local anesthesia and anxiety level. Data analysis using a computer program with a paired sample test.

**Research Results:** The results before odontectomy respondents were very anxious as much as 80%, anxious 10%, and not anxious 10%. After odontectomy respondents were very anxious to be 63.3%, anxious 33.3%, and not anxious 3.3%. Paired sample test analysis, there is a decrease in the average of 3.30 to 2.80. The results of the t-test obtained are  $0.016 < 0.05$ , then  $H_0$  is rejected and  $H_a$  is accepted.

**Conclusion:** After odontectomy, the patient's anxiety level decreased.

**Keywords:** Odontectomy, Anxiety Level, Private Doctor Dental Clinic Patient

# PERBEDAAN KECEMASAN SEBELUM DAN SESUDAH TINDAKAN ODONTEKTOMI DENGAN ANESTESI LOKAL PADA PASIEN USIA 17 – 28 TAHUN

Anisha Permatasari\*, Siti Sulastri, Eldarita  
Department of Dental Nursery of Poltekkes Kemenkes Yogyakarta  
Jl. Kyai Mojo no 56, Pingit, Yogyakarta  
\*Email: [permatasarianisha2@gmail.com](mailto:permatasarianisha2@gmail.com)

## ABSTRACT

**Latar Belakang:** Odontektomi merupakan prosedur pencabutan gigi impaksi atau dengan pembedahan . Dampak gigi impaksi yaitu adanya rasa sakit sampai inflamasi, sehingga tindakan odontektomi sering menimbulkan kecemasan bagi pasien. Berdasarkan studi pendahuluan yang akan dilakukan tindakan odontektomi dengan anestesi lokal, didapat data 50% merasa cemas terhadap anestesi yang akan diberikan, 30% merasa cemas saat mengetahui akan dilaksanakan tindakan odontektomi, dan 20% tidak merasakan cemas.

**Tujuan Penelitian:** Diketuinya perbedaan kecemasan sebelum dan sesudah tindakan odontektomi dengan anestesi lokal pada pasien usia 17 – 28 tahun.

**Metode Penelitian:** Penelitian bersifat Observasional Analitik pendekatan *cross sectional* desain. Subyek dalam penelitian ini adalah subyek yang berkunjung ke Klinik Masykur Denta Medika sebanyak 30 responden menggunakan teknik *accidental sampling* sebagai sampel metode. Kuesioner digunakan untuk mengumpulkan data dan MDAS (*Modified dental anxiety scale*) digunakan untuk tingkat kecemasan. Variabel penelitian tindakan odontektomi dengan anestesi lokal dan tingkat kecemasan. Analisis data menggunakan program komputer dengan *uji paired sample test*.

**Hasil Penelitian:** Hasil sebelum odontektomi responden cemas sekali sebanyak 80%, cemas 10%, dan tidak cemas 10%. Setelah odontektomi responden cemas sekali menjadi 63,3%, cemas 33,3%, dan tidak cemas 3,3%. Analisis *Paired sample test*, terdapat penurunan rerata sebesar 3,30 menjadi 2,80. Hasil uji-t diperoleh sebesar  $0,016 < 0,05$  maka  $H_0$  ditolak dan  $H_a$  diterima.

**Kesimpulan:** Setelah dilakukan tindakan odontektomi tingkat kecemasan pasien menurun.

**Kata Kunci:** Tingkat kecemasan, Odontektomi, Anestesi lokal