

ABSTRACT

Background: *There have been changes in clinical performance management paradigms. It was once focused on the outcome occurred, but now the identification and improvement of health care variations becoming the main focus in determining the quality of services provided. From a variety of dental problems, impacted teeth is a problem that often cause complaints. Complications often happen in odontectomy (extraction of impacted teeth) are oedema, trismus, paresthesia and dry socket.*

Objective: *This research aims to measure the relations between operating time, operating area, amount of irrigation and type of anaesthesia used with post odontectomy complications; and to measure factors affecting odontectomy complications.*

Methods: *This research used observasional analytics methods with cross sectional study design. Data were collected prospectively at Cipto Mangunkusumo Central Hospital, transisting of clinical examinations subjective and objective clinical examinations. Subjective examinations were done to collect post odontectomy patients' complaints, while objective examinations were carried out to collect length of operation, operations area, amount of irrigations and type of anaesthesia used.*

Results: *There were 57 patients with an age range of 18-55 years. Comorbidity ($p=0.026$) is statistically significant associated with more odontectomy complications. Oedema, trismus, and paresthesia increased with increasing operative time but length of operation, operations area, amount of irrigations and type of anaesthesia used were not statistically significant with odontectomy complications.*

Conclusions: *Comorbidity is associated with more postoperative morbidity. There are no correlation between length of operation, operations area, amount of irrigations and type of anaesthesia used with odontectomy complications. Operators may suggest procedures or the use of different anesthetic techniques for patients who have comorbidities that can affect postoperative complications.*

Key words : *Clinical performance, complications, odontectomy, teaching hospital.*