

**HUBUNGAN WAKTU TINDAKAN *SUCTION* DENGAN SATURASI  
OKSIGEN PADA PASIEN BEDAH SARAF DI RSUD DR. HARDJONO  
PONOROGO**

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**ABSTRAK**

**Latar Belakang:** Tindakan *general* anestesi dapat menimbulkan penumpukan lendir dan bersihan jalan nafas tidak efektif. Salah satu upaya yang dapat dilakukan untuk mengurangi sekret pada jalan napas yaitu dengan tindakan *suction*. *Suctioning* memberikan dampak berupa penurunan kadar saturasi oksigen, karena ketika dilakukan tindakan *suction* tidak hanya lendir saja yang terhisap namun suplai oksigen yang ada disaluran pernapasan juga ikut terhisap. Upaya dalam mengurangi potensi komplikasi atau bahaya dari penghisapan lendir dapat dilakukan dengan membatasi durasi *suction*.

**Tujuan:** Untuk mengetahui hubungan waktu tindakan *suction* dengan saturasi oksigen pada pasien bedah saraf di RSUD Dr. Hardjono Ponorogo.

**Metode:** Penelitian kuantitatif dengan desain penelitian *crosssectional*. Sampel penelitian yaitu 31 responden dengan teknik pengambilan *total sampling*, dan uji yang digunakan adalah uji *Chi Square*.

**Hasil:** Pada penelitian ini didapatkan adanya hubungan yang signifikan antara waktu tindakan *suction* dengan saturasi oksigen pada pasien bedah saraf (*p-value* = 0,034).

**Kesimpulan:** Terdapat hubungan antara waktu tindakan *suction* dengan saturasi oksigen pada pasien bedah saraf di RSUD Dr. Hardjono Ponorogo.

**Kata Kunci:** Waktu Tindakan *Suction*, Saturasi Oksigen

**THE RELATIONSHIP BETWEEN TIME OF SUCTION PROCEDURES  
AND OXYGEN SATURATION IN NEUROSURGERY PATIENTS AT  
RSUD DR. HARDJONO PONOROGO**

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**ABSTRACT**

**Background:** General anesthesia can cause mucus buildup and ineffective airway clearance. One of the efforts that can be made to reduce secretions in the airway is by suction. Suctioning has an impact in the form of a decrease in oxygen saturation levels, because when suctioning is performed not only mucus is sucked but the oxygen supply in the respiratory tract is also sucked. Efforts to reduce potential complications or harm from mucus suction can be made by limiting the duration of suction.

**Objective:** To determine the relationship between time of suction procedure and oxygen saturation in neurosurgical patients at Dr. Hardjono Ponorogo Hospital.

**Methods:** Quantitative research with cross-sectional research design. The research sample was 31 respondents with total sampling technique, and the test used was the Chi Square test.

**Results:** This study found a significant relationship between time of suction procedure and oxygen saturation in neurosurgical patients (p-value = 0.034).

**Conclusion:** There is a relationship between time of suction procedure and oxygen saturation in neurosurgical patients at Dr. Hardjono Ponorogo Hospital.

**Keywords:** Time of Suction Procedure, Oxygen Saturation, Neurosurgery.