# THE EFFECT OF USING PILLOW ANESTHESIA WITH SNIFFING POSITION ON AIRWAY MANAGEMENT OF POST GENERAL ANESTHESIA PATIENTS AT WATES HOSPITAL

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## ABSTRACT

**Background:** Respiratory failure after general anesthesia is the most common patient safety case causing increased mortality. It was found that almost 45% of deaths occurred due to postoperative respiratory disorders. One of the management of the patient's airway that can be done is by using an anesthetic pillow in a sniffing position so as to prevent obstruction and reduce upper airway collapse.

**Objective:** Knowing the effect of using anesthesia pillow with sniffing position on airway management of post-general anesthesia patients at Wates Hospital.

**Methods:** This type of research is a quasy experimental design research using a time series design approach. This study was conducted by observing before the intervention (pretest) and comparing the results with observations after the intervention (posttest) using anesthesia pillow with sniffing position on the airway management of post-general anesthesia patients with repeated measurements.

**Results:** This study showed that there was a significant effect on the intervention of using anesthesia pillow with sniffing position on the airway management of post-general anesthesia patients with a significance value of $p = 0.000$ ($p < 0.05$). Improvements in airway conditions occurred starting in the first 5 minutes after the intervention was given, it was noted by the increase and stability of the oxygen saturation level, lung ventilation and respiratory frequency of the respondent.

**Conclusion:** There is an effect of using anesthesia pillow with sniffing position on the airway management of post-general anesthesia patients at Wates Hospital.

**Keywords:** Anesthesia pillow, Sniffing Position, Airway Management

# PENGARUH PENGGUNAAN *ANESTHESIA PILLOW* DENGAN *SNIFFING POSITION* TERHADAP *AIRWAY MANAGEMENT* PASIEN PASCA GENERAL ANESTESI DI RSUD WATES

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## ABSTRAK

**Latar Belakang:** Kegagalan pernapasan pasca general anestesi merupakan kasus keselamatan pasien paling umum peyebab peningkatan kematian. Ditemukan hampir 45% kematian terjadi akibat gangguan respirasi post operasi. Salah satu a*irway management* pasien yang dapat dilakukan dengan penggunaan *anesthesia pillow* dengan *sniffing position* sehingga dapat mencegah obstruksi dan menurunkan kolapsibilitas saluran napas atas.

**Tujuan:** Mengetahui pengaruh penggunaan *anesthesia pillow* dengan *sniffing position* terhadap *airway management* pasien pasca general anestesi di RSUD Wates.

**Metode:** Jenis penelitian ini merupakan penelitian *quasy experimental design* dengan menggunakan bentuk pendekatan *time series design*. Penelitian ini dilakukan dengan melakukan observasi sebelum diberikan intervensi (*pretest*) dan membandingkan hasil dengan observasi setelah pemberian intervensi (*posttest*) penggunaan *anesthesia pillow* dengan *sniffing position* terhadap *airway management* pasien pasca general anestesi dengan pengukuran yang dilakukan secara berulang.

**Hasil:** Penelitian ini menunjukkan terdapat pengaruh yang signifikan pada intervensi penggunaan *anesthesia pillow* dengan *sniffing position* terhadap *airway management* pasien pasca general anestesi dengan nilai signifikasi $p = 0,000$ ($p < 0,05$). Perbaikan kondisi *airway* terjadi mulai pada 5 menit pertama setelah diberikan intervensi diketahui dengan adanya kenaikan dan kestabilan nilai kadar saturasi oksigen, ventilasi paru dan frekuensi pernapasan responden.

**Kesimpulan:** Ada pengaruh penggunaan *anesthesia pillow* dengan *sniffing position* terhadap *airway management* pasien pasca general anestesi di RSUD Wates.

**Kata Kunci**: *Anesthesia pillow*, *Sniffing Position*, *Airway Management*