

Analisis Faktor Risiko Kesulitan Intubasi Menurut El-ganzouri Risk Index (EGRI) pada Pasien *General Anesthesia* di RSUD, Benda Pekalongan

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Abstrak

Latar Belakang : Penatalaksanaan jalan nafas menggunakan intubasi pada general anestesi akan berisiko mengalami kesulitan bahkan kegagalan pada intubasi dapat menyebabkan cedera jalan nafas, hipoksia, hipoksemia bahkan kerusakan sel-sel otak yang akan berujung pada kematian pasien. Salah satu upaya untuk meminimalkan risiko tersebut adalah menggunakan instrumen yang menilai kesulitan intubasi dengan mempertimbangkan faktor-faktor penyulit intubasi menurut *El-Ganzouri Risk Index (EGRI)* sehingga dapat menentukan alternatif yang lebih aman bagi pasien.

Tujuan Penelitian : Mengetahui implementasi instrumen El-Ganzouri Risk Index (EGRI) sebagai penilai kesulitan intubasi pada pasien dengan *general anesthesia* di RSUD Benda, Pekalongan.

Metode Penelitian : Penelitian ini menggunakan metode observasional analitik dengan desain *cross sectional*. Penelitian ini dilaksanakan pada bulan Januari–Maret 2020. Sampel penelitian ini adalah 51 responden dengan teknik *consecutive sampling*.

Hasil penelitian : Terdapat hubungan pembukaan mulut, jarak tiromental, klasifikasi *Mallampati*, pergerakan leher, kemampuan prostusi dagu dan riwayat kesulitan intubasi dengan kejadian kesulitan intubasi. Serta, tidak terdapat hubungan dari berat badan pasien dengan kejadian kesulitan intubasi pada pasien general anestesi.

Kesimpulan : Ada hubungan dari faktor pembukaan mulut, jarak tiromental, klasifikasi *Mallampati*, pergerakan leher, kemampuan prostusi dagu dan riwayat kesulitan intubasi dengan kejadian kesulitan intubasi pada pasien general anestesi. Tidak terdapat hubungan dari berat badan pasien dengan kejadian kesulitan intubasi pada pasien general anestesi.

Kata Kunci : Kesulitan intubasi, El-Ganzouri Risk Index, General Anestesi, Intubasi

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Analysis of Risk Factor for Difficul Intubation By El-Ganzouri Risk Index (EGRI) on General Anesthesia Patients in Bendan Regional Hospital, Pekalongan

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Abstract

Background: Management of the airway using intubation under general anesthesia will risk experiencing difficulties and even failure of intubation can cause airway injury, hypoxia, hypoxemia and even damage to brain cells that will lead to the death of the patient. One effort to minimize this risk is to use instruments that assess intubation difficulties by considering intubating complications according to the El-Ganzouri Risk Index (EGRI) so that they can determine safer alternatives for patients.

Research Objectives: To determine the implementation of the El-Ganzouri Risk Index (EGRI) instrument as an assessment of the difficulty of intubation in patients with general anesthesia at Bendan Regional Hospital, Pekalongan.

Research Methods: This study uses an observational analytic method with cross sectional design. This research was conducted in January-March 2020. The research sample was 51 respondents with consecutive sampling technique.

Research Results : There was a relationship between mouth opening, thyromental distance, Mallampati classification, neck movement, chin protrusion ability and history of intubation difficulties with the occurrence of intubation difficulties. Also, there is no relationship between the patient's body weight and the incidence of intubation difficulties in patients with general anesthesia.

Conclusion: There is a relationship between the factors of mouth opening, thyromental distance, Mallampati classification, neck movement, chin protrusion ability and history of intubation difficulties with the incidence of intubation difficulties in general anesthesia patients. There is no relationship of the patient's body weight with the occurrence of intubation difficulties in general anesthesia patients.

Keywords: Intubation difficulties, El-Ganzouri Risk Index, General Anesthesia, Intubation