

Durasi operasi sebagai prediktor komplikasi paru pasca operasi non kardiak di RSCM = Duration of surgery as a predictor of post operative pulmonary complications in non cardiac surgery in RSCM / Subhan Rumoning

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Abstrak

ABSTRAK

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Judul : Durasi Operasi sebagai Prediktor Komplikasi Paru Pasca Operasi Non Kardiak di RSCM
Latar belakang : Di Indonesia, sebanyak 18,4 pasien yang menjalani operasi non-kardiak di RSUPN Cipto Mangunkusumo Indonesia mengalami Komplikasi Paru Pasca Operasi Post-operative Pulmonary Complication/PPC . Beberapa penelitian menunjukkan durasi operasi memiliki hubungan dengan PPC. Penelitian ini bertujuan untuk mengetahui peranan durasi operasi sebagai prediktor kejadian komplikasi gagal napas dan pneumonia dalam 30 hari pasca operasi. Metode : Penelitian menggunakan desain kohort retrospektif pada November 2016-Juli 2017 dengan data rekam medis pasien yang menjalani operasi di RSUPN Cipto Mangunkusumo tahun 2012-2016. Sampel penelitian diambil dengan metode consecutive sampling yang memenuhi kriteria inklusi dan eklusi, dilihat luarannya selama 30 hari pasca operasi. Hasil : Dari 102 pasien diketahui 58,8 perempuan, 35,5 41-50 tahun, 25,5 berpendidikan SMA, 34,3 tidak bekerja, 77,5 tidak mengalami penurunan berat badan, 80,4 tidak merokok, tidak ada yang memiliki riwayat PPOK, 61,8 anestesi umum, 64,7 operasi elektif dan 51,96 lokasi operasi di abdomen. Didapatkan 10,8 mengalami gagal napas dan 6,9 mengalami pneumonia. Dari analisis bivariat, durasi operasi tidak dapat digunakan sebagai prediktor kejadian gagal napas $p = 0,106$; RR 3,56; CI 95 0,885 - 14,280 maupun pneumonia $p = 0,701$; RR 1,61; CI 95 0,342-7,601 . Kesimpulan : Durasi operasi tidak dapat digunakan sebagai prediktor tunggal dalam memprediksi kejadian komplikasi gagal napas maupun pneumonia pasca operasi.

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ABSTRACT

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Title Duration of Surgery as a Predictor of Post operative Pulmonary Complications in Non cardiac Surgeries at RSCM Background In Indonesia, 18.4 patient done non cardiac surgery at RSUPN Cipto Mangunkusumo Indonesia had Post operative Pulmonary Complications PPC . Studies shown that duration of surgery associated with PPC. This study aims to know the role of duration of surgery as a predictor of respiratory failure and pneumonia in post operative patient during 30 days after surgery. Method This cohort retrospective study were conducted from November 2016 until July 2017 using medical records of patients who underwent surgery at RSUPN Cipto Mangunkusumo from 2012 until 2016. Samples were taken by consecutive sampling which fulfilled inclusion and exclusion criteria, and being followed up until 30 days after surgery. Result From 102 patients, 58.8 were females, 35.5 were 41 50 years old, 25.5 were high school graduated, 34.3 were not employed, 77.5 weren't having any weight reduction, 80.4 not smoking, none had COPD, 61.8 underwent general anesthesia, 64.7 underwent elective surgery and 51,96 operation site in abdomen. From all samples, 10.8 had respiratory failure and 6.9 had pneumonia. From bivariate analysis, duration of surgery can't be a

predictor of either with respiratory failure p 0,106 RR 3,56 CI 95 0,885 14,280 or pneumonia p 0,701 RR 1,61 CI 95 0,342 7,601 . Conclusion . Duration of surgery can rsquo t be a single predictor to predict respiratory failure and pneumonia as PPC