

PERBEDAAN EFEK *PRELOADING* DAN *COLOADING* HES 6% (130 kD)
DALAM MENCEGAH HIPOTENSI PADA ANESTESI SPINAL DI RSUD
PANGERAN JAYA SUMITRA KOTABARU

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ABSTRAK

Latar Belakang: Hipotensi merupakan komplikasi anestesi spinal yang paling sering terjadi. Hipotensi yang tidak teratasi dapat mengakibatkan mual, muntah, pusing, *sinkop* dan *aritmia* jantung yang lebih tinggi hingga kematian. Metode *preloading* dan *coloadng* merupakan metode pencegahan yang sering dilakukan. HES 6% (130 kD) merupakan cairan koloid yang aman dan sudah banyak direkomendasikan para peneliti. Presentase kasus hipotensi sebanyak 40–70% pasien setelah anestesi spinal menjadi komplikasi yang terbanyak di RSUD Pangeran Jaya Sumitra Kotabaru.

Tujuan: Mengetahui perbedaan efek *preloading* dan *coloadng* HES 6% (130 kD) dalam mencegah hipotensi pada anestesi spinal di Rumah Sakit Umum Daerah Pangeran Jaya Sumitra Kotabaru.

Metode: Penelitian ini menggunakan metode observasional dengan desain *cross sectional*. Populasi pada penelitian ini yaitu pasien yang dilakukan tindakan pembedahan dengan anestesi spinal. Teknik pengambilan sampel dengan *purposive sampling* melibatkan 72 sampel responden. Data dianalisis menggunakan uji chi square. Penelitian ini dilaksanakan pada bulan Maret–Juni 2022 di RSUD Pangeran Jaya Sumitra Kotabaru.

Hasil: Efek *preloading* HES 6% (130 kD) sebagian besar efektif mencegah hipotensi pada anestesi spinal sebanyak 29 responden (80,6%), sedangkan efek *coloadng* HES 6% (130 kD) sebanyak 20 responden (55,6%). Hasil uji chi square nilai *p-value* 0,043 maka nilai *p-value* < 0,05.

Kesimpulan: Ada perbedaan efek *preloading* dan *coloadng* HES 6% (130 kD) dalam mencegah hipotensi pada anestesi spinal di RSUD Pangeran Jaya Sumitra Kotabaru.

Kata Kunci : Spinal Anestesi, Hipotensi, Preloading, Coloadng, HES 130 kD

Keterangan :

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DIFFERENCE EFFECTS OF PRELOADING AND COLOADING HES 6% (130 KD) IN PREVENTING HYPOTENSION IN SPINAL ANESTHESIA AT RSUD PANGERAN JAYA SUMITRA KOTABARU

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ABSTRACT

Background: Hypotension is the most common complication of spinal anesthesia. Unresolved hypotension can lead to nausea, vomiting, dizziness, syncope and cardiac arrhythmias that are higher to death. Preloading and coloadng methods are prevention methods that are often used. HES 6% (130 kD) is a safe colloid fluid and has been recommended by many researchers. The percentage of cases of hypotension as much as 40–70% of patients after spinal anesthesia is the most common complication in Pangeran Jaya Sumitra Hospital, Kotabaru.

Objective: To determine the difference in the effect of preloading and coloadng HES 6% (130 kD) in preventing hypotension during spinal anesthesia at the Pangeran Jaya Sumitra Regional General Hospital, Kotabaru.

Methods: This study used an observational method with a cross sectional design. The population in this study were patients who underwent surgery under spinal anesthesia. The sampling technique was purposive sampling involving 72 samples of respondents. Data were analyzed using chi square test. This research was carried out from March to June 2022 at Pangeran Jaya Sumitra Hospital, Kotabaru.

Results: The effect of preloading HES 6% (130 kD) was mostly effective in preventing hypotension in spinal anesthesia in 29 respondents (80.6%), while the effect of coloadng HES 6% (130 kD) in 20 respondents (55.6%). The results of the chi square test have a p-value of 0.043, so the p-value <0.05.

Conclusion: There is a difference in the effect of preloading and coloadng HES 6% (130 kD) in preventing hypotension during spinal anesthesia at Pangeran Jaya Sumitra Hospital, Kotabaru.

Keywords : Spinal Anesthesia, Hypotension, Preloading, Coloadng, HES 130 kD

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