

Influence of Age on Sodium Thiopentone Sleep Dose in Thai Patients

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Fifty elderly patients ($p > 60$ years old) and 50 younger patients (16 to 57 years old) were studied to evaluate the effect of aging on the sleep dose of sodium thiopentone for induction of anesthesia in Thai patients. We excluded records from the patients who have abnormal LFT, BUN/Cr, ECG, heart failure, neurological disease, alcohol abuse and malnutrition status. No premedication was given to all patients. Anesthesia was induced by the intravenous administration of 50 mg. Sodium thiopentone every 15 seconds until the patients lost of eyelash reflex. The average induction dose of sodium thiopentone in the elderly patients was 2.87 ± 0.85 mg/kg, Significantly less than the 4.02 ± 0.72 mg/kg in the young groups. A found in elderly Thai patients when compared with the younger Thai patients.

Key words : Sodium thiopentone, geriatric anesthesia