

Oxygen Desaturation During Induction of Anesthesia. Prospective Comparison of Propofol and Thiopental

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A prospective randomized control trial was done in 60 healthy to observe the incidence of oxygen desaturation ($SpO_2 < 90\%$) after intravenous anesthetic induction with propofol and thiopental. The patients were continuously monitored by pulse oximetry before, during and after intravenous injection of 2.5 mg/kg propofol or 5 mg/kg thiopental. 100% oxygen via face mask ventilation was given in patients with $SpO_2 < 90\%$ and all patients after 3 min until normal oxygen saturation achieved. The arterial oxygen desaturation occurred in 73.33% of patients who received propofol and none in thiopental group ($p < 0.001$). The desaturation took place within 60.50 ± 6.21 sec. After 1 min of 100% oxygen ventilation all patients' oxygenation were normalized.

Key words : Desaturation, propofol, thiopental