



From Theory to Practice: Minwal's Biostatistics Mentorship Program

Project No 1.

Title:

Inter-semispinal plane (ISP) block for postoperative analgesia following spine surgery

Methods:

The study design is double-blind randomized controlled study. Patients are randomly allocated into two groups:

- Control group (C): patients received general anesthesia only.
- Inter-semispinal plane (ISP) block group: patients received bilateral ultrasound guided ISP block at the level of C5 using 10 ml of 0.25% bupivacaine and 10ml xylocaine

Objective:

The aim of this study is to evaluate the analgesic efficacy of ISP block in patients undergoing spine surgery.

Primary outcome measures:

The first 48 h postoperative rescue pethidine consumption.

Secondary outcome measures:

The postoperative VAS score for 48 hours, intraoperative fentanyl consumption, post operative nausea, vomiting, pruritus, and satisfaction.