



ULTRASOUND-GUIDED TRANSVERSUS ABDOMINIS PLANE BLOCK FOR POSTOPERATIVE ANALGESIA IN LOWER ABDOMINAL SURGERIES: A PROSPECTIVE OBSERVATIONAL STUDY

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KEYWORDS :

BACKGROUND

Effective postoperative pain management is essential for early recovery and improved patient outcomes after lower abdominal surgeries. Regional anaesthesia techniques such as the Transversus Abdominis Plane (TAP) block have gained popularity for providing targeted analgesia while reducing systemic opioid requirements.

OBJECTIVE

To evaluate the effectiveness of ultrasound-guided TAP block in reducing postoperative pain and opioid consumption in patients undergoing lower abdominal surgeries.

METHODS

A prospective observational study was conducted among patients undergoing elective lower abdominal surgeries under general anaesthesia. Ultrasound-guided TAP block was administered at the end of surgery using local anaesthetic. Postoperative pain scores were assessed using the Visual Analog Scale (VAS) at different time intervals. Total opioid consumption and patient satisfaction were also recorded.

RESULTS

Patients receiving TAP block demonstrated significantly lower postoperative pain scores within the first 24 hours. Opioid consumption was reduced and patient satisfaction was higher compared with conventional analgesia protocols.

CONCLUSION

Ultrasound-guided TAP block is an effective and safe technique for postoperative analgesia in lower abdominal surgeries. It significantly reduces postoperative pain and opioid requirements.

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