

[NM-227] Quadratus lumborum catheters for analgesia after a laparotomy in 11 year old child

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We report the use of bilateral continuous Quadratus Lumborum blocks for analgesia after a diagnostic laparoscopy and laparotomy for excision of ovarian mass in 11 year old 41kg child. Preemptive analgesia was achieved by bilateral rectus sheath and TAP blocks performed after induction of general anesthesia. Quadratus lumborum catheters were placed with ultrasound guidance after completion of surgery. Infusion of local anesthetic was started in the recovery room. Patient had good postoperative pain control with minimal use of opioids. Catheters were removed on postoperative day 3. Patient was discharged home on postop day 4. No complications were reported.

This block may be a good alternative to TAP block by providing wider dermatomal coverage (T8-L1 in our case).(1)  
This phenomena may be due to spread of local anesthetic in the paravertebral space.(2)

References:

1. Visou M, Yakovleva N. Continuous postoperative analgesia via quadratus lumborum block-an alternative to TAP block. *Pediatr Anesth* 2013
  2. Carney J, Finnerty O. Studies on the spread of local anesthetic solution in TAP block. *Anaesthesia* 2011
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