

Robotic Colectomy Outcomes with Endura-KT TAP Block

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Clinical Summary and Analysis

<p>BACKGROUND</p>	<ul style="list-style-type: none"> • Endura-KT is a recently released, long-acting, local anesthetic, that had been used in clinical practice prior to its commercial release. • Endura-KT was used to provide the local anesthetic to perform bilateral Transversus Abdominis Plane (TAP) Blocks, in order to minimize postoperative pain and the need for supplemental narcotics.
<p>METHODS</p>	<ul style="list-style-type: none"> • 24 robotic colon resections were performed by one surgeon between March 15, 2016, and December 7, 2016. • Each patient participated in an enhanced recovery after surgery (ERAS) protocol • The patients were all given minimal IV fluids and IV narcotics at the discretion of the anesthesia provider. • The TAP block was performed by the operating surgeon after establishing pneumoperitoneum with 60cc of Endura-KT being injected in two 15ml injections on each side of the abdominal wall.
<p>POST-OPERATIVE PROTOCOL</p>	<ul style="list-style-type: none"> • The patients were given narcotics in the recovery room at the discretion of the anesthesiologist. • Tramadol (50mg) was ordered as needed for moderate pain and Oxycodone (5mg) for severe pain. If patients were unable to tolerate PO, they were administered IV Toradol (30mg) and IV Dilaudid (0.5mg). • The patients were discharged to home when they were tolerating oral intake, ambulating well and pain was controlled on oral pain medications. • All patients were discharged with a script for tramadol.
<p>RESULTS</p>	<ul style="list-style-type: none"> • A total of 24 robotic colon resections were performed • The average age of the patients was 62.1 (46-75). • The average length of stay was 2.0 (0-7) days for the entire group. 12 of the 24 (50%) patients were discharged after spending not more than 1 night in the hospital. 19 of the 24 patients (79.1%) were discharged to home after spending no more than 2 nights in the hospital. • The amount of supplemental narcotic pain medications was tracked retrospectively. • The day of surgery, after leaving the recovery room, 7 of 24 patients did not receive any supplemental narcotics. • On POD#1, 12 of 23 patients (52.2%) did not receive any supplemental narcotics. • On POD# 2, 8 of the remaining 12 (66.7%) inpatients did not take any further supplemental narcotics.
<p>CONCLUSION</p>	<ul style="list-style-type: none"> • TAP blocks can be safely performed utilizing Endura-KT local anesthetic for Robotic Colectomy resulting in the majority of patients not requiring supplemental narcotics after the first postoperative night.