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Laparoscopic TAP procedures for pain relief during laparoscopic surgical procedures: Our technique and experience

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Abstract

Transversus abdominis plane (TAP) block is a regional anesthetic technique traditionally performed for pain management in the peri-operative setting done either in the operating room pre-operatively or post-operatively in the PACU.
The TAP infiltration of local anesthetic agents works by blocking the abdominal wall neural afferent nerve signaling into the myo-neuro-fascial tissue plane between the internal oblique muscle and the and transversus abdominis muscle above the peritoneum.

Although this procedure can be done with low complication rates under ultrasound guidance. Some complications have been attributed to TAP block, but the awareness of the possibility of visceral organ damage if the needle was inadvertently advanced too far has led to our advancements in the technique by doing it under direct visualization with CO2 insuflation in place.

We have been using the TAP block as a part of our multi-modal and narcotic sparing technique for postoperative pain treatment for many types of laparoscopic abdominal procedures..

Biography

Jarrod P. Kaufman, MD is a Board Certified General and Advanced Laparoscopic Surgeon in private practice in Central New Jersey. In addition to practicing medicine, Dr. Kaufman serves as the American College of Surgeons (ACoS) New Jersey State Chair for the Commission on Cancer. He also serves as the Chair of the Melanoma Workgroup of the NJ Governor's Task Force on Cancer Prevention, Early Detection and Treatment.
He has published numerous articles and he serves as a member of the editorial boards of peer-reviewed journals. Dr. Kaufman also presently serves as an active member on the SAGES (Society of American Gastrointestinal and Endoscopic Surgeons) Technology committee