LETTER TO THE EDITOR





Pain Control After Bariatric Surgery: We Still Need More Answers

Mark C. Kendall¹

Published online: 28 February 2018 © Springer Science+Business Media, LLC, part of Springer Nature 2018

Dear Editor,

I read with great interest the study of Ng et al. in a recent issue of the Journal [1]. The authors should be congratulated for developing a multimodal protocol to address postsurgical pain in patients undergoing bariatric surgery. Postsurgical pain remains to be very common and poorly treated, especially in obese patients with obstructive sleep apnea [2, 3].

Despite its clinical relevance, methodological issues with the study of NG et al. need to be further clarified in order to confirm or refute the validity of the authors' findings. First, the authors do not report on other concomitant multimodal analgesic strategies (e.g., non-steroidal anti-inflammatory drugs, regional anesthesia nerve blocks, local anesthetic infiltration) that can significantly alter the study results [4–6]. In addition, the intraoperative anesthesia technique is not reported. It is possible that the use of remifentanil in some patients may have resulted in hyperalgesia which can significantly increase postsurgical pain [7]. Lastly, the authors did not control for surgical duration and this can significantly influence the intensity of pain after surgery [8].

I would welcome some comments from the authors that would allow readers to be confident in the validity of this very important study. Sincerely,

References

- Ng JJ, Leong WQ, Tan CS, et al. A multimodal analgesic protocol reduces opioid-related adverse events and improves patient outcomes in laparoscopic sleeve gastrectomy. Obes Surg. 2017;27:3075–81.
- Chen J, Mackenzie J, Zhai Y, et al. Preventing returns to the emergency department following bariatric surgery. Obes Surg. 2017;27: 1986–92.
- Herbst MO, Price MD, Soto RG. Pain related readmissions/revisits following same-day surgery: have they decreased over a decade? Clin Anesth. 2017;42:15.
- Duttchen KM, Lo A, Walker A, et al. Intraoperative ketorolac dose of 15mg versus the standard 30mg on early postoperative pain after spine surgery: a randomized, blinded, non-inferiority trial. J Clin Anesth. 2017;41:11–5.
- Moncada R, Martinaitis L, Landecho M, et al. Does preincisional infiltration with bupivacaine reduce postoperative pain in laparoscopic bariatric surgery? Obes Surg. 2016;26:282–8.
- El Sherif FA, Mohamed SA, Kamal SM. The effect of morphine added to bupivacaine in ultrasound guided transversus abdominis plane (TAP) block for postoperative analgesia following lower abdominal cancer surgery, a randomized controlled study. J Clin Anesth. 2017;39:4–9.
- Kong M, Yang L, Li J, et al. Low-dose butorphanol alleviates remifetanil-induced hyperalgesia in patients undergoing laparoscopic cholecystectomy. J Clin Anesth. 2016;34:41–5.
- Scully RE, Schoenfeld AJ, Jiang W, et al. Defining optimal length of opioid pain medication prescription after common surgical procedures. JAMA Surg. 2017; https://doi.org/10.1001/jamasurg.2017.3132.

Mark C. Kendall mark.kendall@lifespan.org

¹ Department of Anesthesiology, Rhode Island Hospital, Warren Alpert Medical School of Brown University, 393 Eddy Street, Providence, RI 02903, USA