



E32

Effect Of OnQ Pain Buster After Laparoscopic Cholecystectomy

Jin Hong LIM*¹, Seok Min KANG¹

¹HBP Surgery, Gangnam Severance Hospital, REPUBLIC OF KOREA

Background : Pain is the most important discomfort after Surgery. Laparoscopic procedure is well known as more reduced pain than open procedure. However, immediate postoperative pain is common after laparoscopic cholecystectomy. The OnQ system is device of postoperative pain control. It provides long-term pain relief with continuous infusion of a local anesthesia. In this study, we evaluate effect of The On-Q system in patient with laparoscopic cholecystectomy.

Methods : from January 1, 2018 to December 31, 2018. Multiport laparoscopic cholecystectomy was performed on 270 patients by single verified operator. 246 patients were included in the study except 24 patients with acute cholecystitis or Gallbladder empyema and/or who received IV-PCA. Patients were divided into two groups according to the use of On-Q system (OnQ group :150 cases, non-OnQ group 96 cases). We retrospectively analyzed patients' demographics and perioperative outcomes.

Results : There were no significant differences in individual information of patients such as ASA and gender age obesity, operation time, and presence or absence of GB perforation. The pain level decreased significantly in the OnQ group for pain within 6 hours (p-value = 0.04), and 1 day (p-value = 0.02) after surgery. There was no significant difference in pain after POD # 1 (p-value = 0.49) and no significant difference in the number of additional analgesics administered (p-value = 0.32)

Conclusions : Minimal invasive surgical procedure embraces reducing postoperative pain and discomfort. However, Laparoscopic cholecystectomy is a surgical procedure that frequently results in significant immediate postoperative pain and the need for rescue analgesia. Using the OnQ system play a role in minimizing immediate postoperative pain.

Corresponding Author : Jin Hong LIM (doctorjin@yuhs.ac)