

Comparative Study of Open and Laparoscopic Appendicectomy

Gautham Adusumilli

Jss Medical College And Hospital

E-mail: whooznxt@gmail.com

Background and Objectives

Appendicitis is one of the commonest causes of pain abdomen in all age groups. This study was conducted from January 2011 to 2012, for a period of 12 months in J.S.S Medical college and Hospital, Mysore. The aim of the study is to compare open and laparoscopic appendicectomy with respect to postoperative hospital stay, pain, recovery, complications and cost.

Methods

For this study 100 patients (59 males and 41 females) with a diagnosis of suspected appendicitis between January 2011 to 2012 were randomly assigned either to OA (n=50) or LA (n=50). All 100 cases satisfied the inclusion and exclusion criteria.

Results

Wound infection was significantly higher in the open group (10%) than in the laparoscopic group (0%; $p < 0.000$). There were no intraabdominal infections in both groups. Hospital stay was significantly shorter in the laparoscopic group ($p < 0.000$), but operative time was a little longer than in the open group ($p < 0.000$). There was no conversion to open surgery. Laparoscopic group was associated with less pain ($p < 0.001$) as compared to open group. Return to normal activity was earlier in laparoscopic group ($p < 0.000$) than in the open group at the cost of hospital expenses ($p < 0.000$).

Conclusion

Laparoscopic appendicectomy offers significant improvement in postoperative outcomes at the cost of a longer operation and hospital expenses.

Keywords: Open appendicectomy, Laparoscopic appendicectomy.