

CONTRIBUTION OF THE NEW APPROACHES N.O.T.E.S. AND SINGLE INCISION SURGERY TO THE AMBULATORY LAPAROSCOPIC CHOLECYSTECTOMY

Introduction. It has been postulated that the new approaches in minimally invasive, NOTES and Single Incisión surgery, may produce less pain and fewer problems in relation to the entryports.

Objective. Assess whether new approaches, transvaginal and single umbilical incision, have a positive effect on outpatient cholecystectomy.

Material and methods. Analysis of the results of two prospective series of 120 patients comparing four groups with minimally invasive cholecystectomy (laparoscopy, minilaparoscopy, transvaginal with flexible endoscope and single umbilical incision with SILS™ device).

Results. The rate of out-patient shows no difference between the approaches. The conversion rate is similar in the groups, as well as intraoperative and perioperative early complications. The operating time is longer in the groups with transvaginal and transumbilical surgery, with respect to conventional laparoscopy, being similar in the group with minilaparoscopy.

Conclusions. The new minimally invasive approaches for cholecystectomy are a good choice for the outpatient programs. They are as safe and effective as conventional laparoscopy but require longer operating time and teams trained in these new approaches.