

The chalkoo modification for three port laparoscopic cholecystectomy

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Abstract

Introduction: The three port laparoscopic cholecystectomy is a recognized entity in the surgical management of gallstone disease. We report our experience and feasibility of three port laparoscopic cholecystectomy with a new modification in technique.

Methods: To assess the feasibility and safety of three-port laparoscopic cholecystectomy with a different port placement, we undertook a prospective study with 50 patients at government medical college, Srinagar, Kashmir, India between Jan 2010 and Jan 2011. Our study offered a benefit of concealed third port designed around umbilicus over the conventional three port laparoscopic cholecystectomy. A single surgeon did all the cases and definite criteria of simple cases of gallstone disease patterned on clinical and radiological grounds.

Results: 50 cases of gallstone disease were subjected to the new technique of three port laparoscopic cholecystectomy during a period one year. 34 cases were females and 16 were males. The age range of our patients was between 20 and 55 years with the median age of 33 years. Mean Body mass index 30 (range 25–35). Mean operative time was 30 min (range 15–45 min) and a follow up [period ranged from 9 to 12 months]. No cases were converted to open though two cases required an additional port in the right hypochondrium for retraction. We did not encounter any untoward mishaps during surgery.

Conclusion: Three port laparoscopic cholecystectomy with our modification of the third port placement at a different site received good results and patient satisfaction. Moreover the placement of third port at a concealed area around umbilicus apparently gives it an appearance of two port laparoscopic cholecystectomy with an addition of technical ease.

Biography

Mustaq Chalkoo's specialty is laparoscopy and minimal access surgery. He is currently employed for the Government Medical College Srinagar, Kashmir. He is also a Fellow of the Association of Minimal Access Surgeons of India and Fellow of the Indian Hernia Society, among other. He teaches MBBS (Bachelor of Medicine, Bachelor of Surgery) and postgraduates and is an active reviewer of many reputable international journals of medicine. He has won State Award for introducing Chalkoo technique to surgical world and is associated with more than 5 associations in India and has reviewed about 34 papers and published 50 scientific publications and attended about 35 conferences and had presented about 32 papers both at national and international level.