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Laparoscopic cholecystectomy for acute cholecystitis with previous abdominal surgery

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Introduction & Aim: The aim of this study was to find out if laparoscopic cholecystectomy for acute cholecystitis is also an adequate surgical procedure in patients with a status post previous abdominal surgeries.

Material & Methods: Between 1.4.2010 till 31.8.2013, 858 patients underwent surgery for chronic cholecystitis (n=595) or acute cholecystitis (n=245). 788 of the patients had their surgeries done minimal invasively. 56 of the patients had a history of a previous abdominal surgery. 32% of all previous surgeries were upper abdominal and 68% lower abdominal. All patients with a history of lower abdominal laparotomy had their camera trocar supraumbilically introduced, whereas in patients with previous upper abdominal surgeries the location of the camera trocar was variable and a function of the previous abdominal incision. The introduction of the other trocar ports was after careful adhesiolysis under optical vision in the usual abdominal wall locations.

Results: A laparoscopic cholecystectomy was possible in all 245 acute cholecystitis patients. The conversion rate in acute cholecystitis after previous abdominal surgery (n= 18) was 5.5% and the median duration of surgery was 95 minutes (69 to 235 minutes). The median hospital stay was 8 days (4 to 18 days) which was not much longer than in laparoscopic cholecystectomy in patients no previous abdominal surgeries.

Conclusion: Laparoscopic cholecystectomy for acute cholecystitis is also an adequate procedure in patients with a history of previous abdominal surgeries associated with low rate of complication.

Biography

Amal A Hunjur has obtained her MBBS in May 2016. She has a passion in improving patients' quality of life and health awareness. She attended the "Medical Emergencies: Updates and Practice Management Symposium 2015" and research methodology course in 2015. She participated in the Taif's 1st Trauma course, Breast Cancer Awareness Campaign in 2011, AIDS Awareness Campaign in 2012, ADHD awareness Campaign in 2015 and Breast Cancer Awareness Campaign in 2016. She presented in the 7th Saudi Students' Scientific Conference 2016. She believes that clinical researches are the basic key and the cornerstone for clinical development. She has published in the *World Journal of Neuroscience* under the title of "Siblings with Autism, Mental Retardation & Convulsion in Tuberous Sclerosis". She is currently working on improving her research experience, clinical practice and medical knowledge, aiming for giving the best to her mission as a physician.

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