

AB039. 175. The impact of laparoscopic converted to open colectomy on short term and oncologic outcomes for colon cancer

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Background: There is controversy regarding the perioperative and long-term survival outcomes of patients that undergo conversion from laparoscopic to open colectomy for colon cancer and the impact of septic complications on cancer recurrence. To address this, a study was designed to evaluate the short-term complications and oncologic outcomes of converted cases compared with successful laparoscopic procedures and to identify if sepsis or other risk factors are predictors of survival.

Methods: This is a descriptive cohort study of 70 consecutive patients who underwent colectomy for

histologically verified adenocarcinoma of the colon under the colorectal service in Cork University Hospital between January 2010 and December 2014. These patients were grouped as successful laparoscopic colectomy (LAP) or conversion to open (CONV). Data pertaining patient morbidity, clinical and perioperative parameters, pathologic features and oncologic outcomes are being collected.

Results: A total of 57 patients were included in the study (49 LAP, 8 CONV). There is no significant difference between the mean length of hospital stay of patients in the LAP group (12.4±9.7 days, P=0.538) and the CONV group (14.8±11.0 days, P=0.583). In terms of long-term outcomes, there was no significant difference in the 5-year overall survival (OS) in the LAP group compared to the CONV group (81.4% *vs.* 75%, P=0.59). A multivariate analysis showed that conversion (P=0.774), gender (P=0.300) and age (P=0.399) were not independent predictors of lower OS.

Conclusions: CONV colectomy from an initial laparoscopic approach does not worsen the 5-year overall survival in patients with non-metastatic colon cancer

Keywords: Colectomy; conversion; outcomes; oncologic; sepsis

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