

Risk Factors For Anastomotic Leak After Colon Resection

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Risk Factors For Anastomotic Leak

Although it is generally accepted that variables such as low anastomotic level are associated with leakage, 14-16 other risk factors including male sex and neoadjuvant chemoradiotherapy (nCRT) are not widely recognized. 8 These risk factors were analyzed in the whole cohort in the present study, regardless of the anastomosis site. Although many studies have investigated risk factors of AL, it remains a life-threatening complication that can arise in patients with no known risk factors.

Risk Factors of Anastomotic Leakage and Long-Term Survival ...

Risk factors for anastomotic leakage after laparoscopic intracorporeal colorectal anastomosis with a double stapling technique. J Am Coll Surg. 2009; 209 :694-701. doi: 10.1016/j.jamcollsurg.2009.09.021.

Risk and early predictive factors of anastomotic leakage ...

Objective: To analyze the risk factors for anastomosis leak in colon cancer surgery (CCS) in our environment, and developed a predictive equation for that risk. Method: We performed a case-control study nested in a cohort of 576 consecutive patients undergoing colon cancer surgery with primary anastomosis, univariate statistical tests and univariate logistic regression for statistical analysis ...

Risk Factors of Anastomotic Leakage in Colon Cancer

Incidence and Risk Factors for Anastomotic Leakage in Colorectal Surgery: A Historical Cohort Study The incidence of AL in the present study is similar to that found in comparable series. Respiratory co-morbidity and male sex were found to be the most significant risk factors.

Incidence and Risk Factors for Anastomotic Leakage in ...

Objective To assess anastomotic leak (AL) risk factors in a large patient series.Design Case-control study.Setting The Mount Sinai Hospital.Patients Ninety patients with AL following colorectal resection and 180 patients who underwent uncomplicated procedures.Main Outcome...

Risk Factors for Anastomotic Leak Following Colorectal ...

Multiple studies have found as risk factors for anastomotic leakage: male gender, obesity, preoperative steroid and non-steroidal anti-inflammatory drug use, longer duration of operation, surgical experience and preoperative blood transfusion. The laparoscopic approach is not inferior to open surgery in terms of rate of anastomotic fistula.

Review of Risk Factors for Anastomotic Leakage in ...

For example, the majority of papers describe the risk factors for left-sided anastomosis, the principal risk being male sex and lower anastomosis, while little data exists defining AL risk factors in a right colectomy. Also, gut microbioma is gaining an emerging role as potential risk factor for leakage.

Predictive Factors for Anastomotic Leakage After ...

Low anastomosis, pre-operative radiation, presence of intra-operative adverse events and male gender were independent risk factors for symptomatic anastomotic leakage in the multivariate analysis. There was no difference in the use of temporary stoma in patients with or without anastomotic leakage.

Risk factors for anastomotic leakage after anterior ...

Several risk factors contribute to the onset of leak; these factors can be classified as patient-related and technical factors. Patient-related factors comprise age, gender, and systemic illness as chronic liver disease, hypoalbuminemia, cardiac diseases, DM, and cancer [6 , 7].

Predictive Factors for Small Intestinal and Colonic ...

Factors that probably contribute to anastomotic leak include poor surgical technique, ischemia of the esophageal ends, use of myotomy, and excessive tension at the anastomotic site. 288,300 In this critical setting, reoperation for control of sepsis with adequate drainage and attempted repair of the anastomotic leak are warranted.

Anastomosis Leakage - an overview | ScienceDirect Topics

The risk of leakage is higher in people who are obese or on steroids. Smoking and excessive drinking can also increase the risk of anastomotic leakage.

Anastomosis: Definition, Techniques, Types, and Risks

In conclusion, anastomotic leakage after Ivor Lewis oesophagectomy is associated with a prolonged ICU and hospital stay, and a significantly higher mortality. Identifying AL-associated risk factors preoperatively can contribute to a better selection of patients, optimizing preoperative conditions and a more patient-tailored approach. Funding

Risk factors and consequences of anastomotic leakage after ...

In the multivariate analysis, the following variables were independent risk factors for anastomotic leak: obesity [$P = 0.003$, odds ratio (OR) = 2.7], preoperative serum total proteins ($P = 0.03$, OR = 0.7 per g/dL), male sex ($P = 0.03$, OR = 1.6), ongoing anticoagulant treatment ($P = 0.05$, OR = 1.8), intraoperative complication ($P = 0.03$, OR = 2.2), and number of hospital beds ($P = 0.04$, OR = 0.95 per 100 beds).

Risk Factors for Anastomotic Leak After Colon Resection ...

In a univariate analysis, male sex (odds ratio [OR] 3.37, 95% confidence interval [95%CI] 1.21-9.43), pulmonary disease (OR 3.99, 95%CI 1.49-10.73), current or past smoking (OR 2.93, 95%CI 1.21-7.10), and American Society of Anesthesiologist score ≥ 3 (OR 3.08, 95%CI 1.16-8.13) were associated with an increased risk for anastomotic leakage.

Incidence and Risk Factors for Anastomotic Leakage in ...

Most risk factors for early anastomotic leakage were surgery-related factors, representing surgical difficulty, which might lead to technical failure of the anastomosis. Most risk factors for late anastomotic leakage were patient-related factors, representing the frailty of patients and tissues, whi ...

Different Risk Factors for Early and Late Colorectal ...

In this article, we shall look at the risk factors, clinical features and management of an anastomotic leak. The most common clinical features of an anastomotic leak are abdominal pain and fever. They usually present between 5-7 days post-operatively. Other features* may include delirium or prolonged ileus.

Anastomotic Leak - Clinical Features - Management ...

Independent risk factors for anastomotic leak included younger age, male sex, tobacco use, and omission of combined bowel preparation. A risk score incorporating independent predictors demonstrated excellent calibration. There was strong visual correspondence between predicted and observed anastomotic leak rates. 3960 patients underwent ...

Development of a Risk Score to Predict Anastomotic Leak ...

The most important predisposing factors for anastomotic leaks are ischemia of the gastric conduit and low blood oxygen content. The aim of this study was to evaluate the influence of thoracic epidural analgesia (TEA) on the incidence of anastomotic leakage after esophagectomy.