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Case Control Study

Comparison of an enhanced recovery after surgery protocol versus conventional management on short- and long-term outcomes in patients undergoing laparoscopic gastrectomy

Tian YL *et al.* Comparison between ERAS and CM results

Abstract

BACKGROUND

At present, the enhanced recovery after surgery (ERAS) protocol is widely implemented in the field of gastric surgery. However, the effect of the ERAS protocol on the long-term prognosis of gastric cancer has not been reported.

AIM

To compare the effects of ERAS and conventional protocols on short-term outcomes and long-term prognosis after laparoscopic gastrectomy.

METHODS

We retrospectively analyzed the data of 1,026 consecutive patients who underwent laparoscopic gastrectomy between 2012 and 2015. The patients were divided into the ERAS group or conventional group. The groups were matched in a 1:1 ratio using propensity scores based on covariates that affect cancer survival. The primary outcomes were the 5-year overall and cancer-specific survival rates. The secondary

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Randomized clinical trial of enhanced recovery versus ...

<https://bjssjournals.onlinelibrary.wiley.com/doi/full/10.1002/bjs.9026>

Jan 21, 2013 · **Patients** were selected using the **propensity score analysis matching** method. A **propensity score** was generated for each patient in the cohort of 400 and each patient was recruited prospectively using potential confounding variables. The **propensity score** was then used to select matched **patients** from the initial cohort of 400.

Cited by: 164

Author: Daniel Lemanu, PP Singh, K Berridge, M...

Publish Year: 2013

Enhanced recovery after surgery (ERAS) programs for ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6503272>

Oct 31, 2018 · A perioperative treatment **protocol, enhanced recovery after surgery** (ERAS) focuses on accelerating patient **recovery**. ... ERAS has been proven to be beneficial regarding **short and long term outcomes** in other disciplines of **surgery**, confirming its versatility ... **a propensity score matching analysis**. Surg Today 2018; 48:1020-30. 10.1007/s00595 ...

Cited by: 8

Author: Mateusz Rubinkiewicz, Jan Witowski, M...

Publish Year: 2019

Enhanced Recovery after Surgery for Gastric Cancer ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6160527>

For this reason, gastric cancer **enhanced recovery after surgery** (GC-ERAS) protocols are not often used in the United States. To standardize gastric cancer patient care and determine the feasibility of an ERAS program at our institution, we implemented a GC-ERAS **protocol** for **patients undergoing surgery** with curative intent in November 2015.

Cited by: 4

Author: Jacopo Desiderio, Camille L. Stewart, Vi...

Publish Year: 2018

Enhanced recovery after surgery in emergency colorectal ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6397799>



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Introduction. Data regarding the role of the **enhanced recovery after surgery** (ERAS) **protocol** in improving postoperative **outcomes** and postoperative compliance **in patients undergoing** gynecological **surgery**, in particular, minor **laparoscopic** and hysteroscopic gynecological procedures, are limited.

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Surgery remains the mainstay of gastric cancer treatment. It is, however, associated with a relatively high risk of perioperative complications. The use of laparoscopy and the **Enhanced Recovery After Surgery** (ERAS) **protocol** allows clinicians to limit surgically induced trauma, thus improving **recovery** and reducing the number of complications.

Cited by: 13

Author: Magdalena Pisarska, Michał Pędziwiatr, Pi...

Publish Year: 2017

Enhanced recovery after surgery: An anesthesiologist's ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6515715>

Laparoscopic surgery within an ERAS **protocol** has been shown to give superior **recovery** when compared to open **surgery** with ERAS **protocol** or **laparoscopic surgery** with standard care. Lin et al . in 2009 conducted a prospective study in which they found out that **laparoscopic surgery** allows earlier ambulation and resultant better postoperative ...

Cited by: 1

Author: Srilata Moningi, Abhiruchi Patki, Narmada ...

Publish Year: 2019



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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4105686>

May 29, 2014 - Introduction. An increase in the number of **laparoscopic** operations performed due to gastrointestinal neoplasms can be noticed [].Laparoscopy in **comparison** to the classical approach is associated with a lesser degree of postoperative pain, quicker **recovery** and superior life quality in the postoperative period [].Combined with the ERAS (**Enhanced Recovery after Surgery**) **protocol**, ...

Cited by: 11**Author:** Michał Pędziwiatr, Maciej Matłok, Mikhail ...**Publish Year:** 2014

[Early rehabilitation after surgery program versus ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4083545>

Jun 13, 2013 - MATERIALS AND METHODS: This is a study where 47 **patients** who are **undergoing** lap assisted total **gastrectomy** are selected. Twenty-two (n = 22) **patients** received **enhanced recovery** programme (ERAS) **management** and rest twenty-five (n = 25) **conventional management** during the perioperative period.The length of postoperative hospital stay, time to passage of first flatus, ...

Cited by: 15**Author:** Manojh Ranjan Sahoo, Manoj S. Gowda