

# Enhanced Recovery After Surgery (ERAS)

## PROBLEM STATEMENT

Significant variability exists in the preoperative, intraoperative, and post-operative management of patients undergoing major pancreatic surgery. Percent compliance to evidence-based ERAS clinical pathways in our institution is 0%.

## AIMS STATEMENT

Achieve greater than 30% compliance with all components of an evidence-based ERAS clinical pathway for patients undergoing major pancreatic surgery within 1 year.

## IMPORTANCE

Enhanced Recovery after Surgery (ERAS) is a set of well-established best practice guidelines for patients undergoing a variety of intra-abdominal surgeries. The goals of the ERAS guidelines are to maintain normal physiologic function and to facilitate early postoperative recovery<sup>1</sup>. ERAS clinical pathways allow for standardization of perioperative care, which ultimately improves the quality of care delivered, accelerates recovery and safety, and optimizes utilization of health care resources<sup>2</sup>.

1. Arch Surg 2009;144(10):961-969

2. Surgery 2011;149:830-40

## SCOPE

### In Scope:

Surgical Oncology Clinic, Pre-Care, OR, PACU, surgical step down units (ISCU), surgical oncology floor (7 Neurosciences Hospital)

### Start:

Patient's preoperative surgical oncology clinic visit

### Out of Scope:

All other clinics, procedural areas, and hospital units

### End:

Patient is discharged from the hospital

## MEASURES

Main measure (Big Y): % compliance with an evidence-based ERAS clinical pathway

Secondary measures: length of hospital stay, unanticipated ICU admissions, post-operative pain scores, serum creatinine, documented pneumonia, variables that assess readiness for discharge (time to first oral intake, time to first ambulation), total intraoperative fluid administration, total intraoperative and PACU opiate administration.

## SCHEDULE

*Dates are tentative*

August 2014: Finalize charter, SIPOC, Begin data collection

January 2015: Pilot pathway

November 2014: Kaizen Coach, Purple Belt training

March 2015: Revise pathway

December 2014: Kaizen Coach, Purple Belt training

May 2015: Lockdown pathway, compare before/after

## RESOURCES

Project Sponsors (Blue Belts): Dr. David Zvara

Subject Matter Experts (SME): Dr. Tina Willis

Stakeholders: Surgical oncology nursing staff, Pre-care nursing staff, Anesthesiologists (Drs. Kolarczyk, Isaak, Kyle, Martinelli, Kumar, Murphy, Barrick, Balfanz, Weyers, Lucas, and Ravulapati), Surgical oncology (Drs. Kim, Meyers, and Yeh), PACU nursing staff, surgical step down units, surgical oncology floor nursing staff

Project Coach: Paul Bednar, Laura Brown

Process Owners: Dr. H.J. Kim, Dr. Lavinia Kolarczyk