





# Improving the Quality of Bladder Cancer Patient Care across RCN Partner Institutions: Implementation, Standardization, and Analysis of an RCN ERAS Protocol for Radical Cystectomy

### INTRODUCTION

- 2017)
- cancer to treat on a per-patient basis (Bladder Cancer Canada, 2017).
- intent in non-metastatic patients (Bladder Cancer Canada, 2017).
- extended to other surgical specialities (Cerentola et al., 2013).

- developing:

  - **B.** ERAS Perioperative Protocols
- decrease morbidity and complications of this procedure.

### **A.** Patient Education Materials

- based on ERAS guidelines for radical cystectomy.
- available in French and English on the RCN website, Figure 1.









### **B. ERAS Perioperative Protocols**

- screening clinic nurses, post anaesthesia care unit.



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### RESULTS

McGill



Centre universitaire de santé McGill Health Centre



Figure 3. Level of compliance and length of stay (LOS) from 2015 to 2018

### **IMPORTANT LESSONS**

- Having a **dedicated nurse ERAS coordinator** was key. This coordinator played a crucial role in:
- Development of order sets & patient education materials Implementation of ERAS pathway
- Training all key stakeholders involved in the pathway • Tracking changes in compliance and postoperative complications
- Maintaining frequent communication between ERAS team members and other stakeholders (i.e. perioperative nurses, anesthesiologists, MUHC patient education office, etc.) is important and challenging.
- Approval processes for patient education materials can be difficult to navigate. Recommend careful planning and understanding of meeting schedules for respective approval committees.
- Include intraoperative stakeholders (i.e. surgeons and anesthetists) earlier in project planning to encourage involvement and to increase ERAS guidelines compliance.
- Important that surgeon secretaries receive good training they are first to flag ERAS-eligible patients and are key to establishing compliance early.
- Maintain regular training staff rotation is frequent and it is necessary to ensure all nurses are up-to-date.

Preadmission counselling Fluid & carbohydrate loading No prolonged fasting No/selective bowel preparation Antibiotic prophylaxis Thromboprophylaxis 🗸 ERAS 🗸 No premedication

> Intraoperative Short-acting anesthetic agents Mid-thoracic epidural anesthesia/analgesia No drains Avoidance of salt & water overload Normothermia

Figure 4. The principles of the ERAS pathway

## **FUTURE DIRECTIONS**

- Continue collecting data for cystectomies.
- Redefine the role of ERAS coordinator so that it can be expanded to other specialities; it needs to become a nursing educator role.
- Schedule regular training sessions due to regular staff rotation. • Allocate resources to keep staff up-to-date and also to follow-up with patients to
- encourage compliance. • Additional funds to meet the continuous cost of booklet and poster printing
- Increase collaboration across ERAS community enable knowledge transfer and communication of lessons learned.

### **TRANSLATION ACROSS THE RCN**

- We are now in the process of sustaining the standardized ERAS pathway across the JGH and MUHC. We aim to continue collecting data on cystectomies at these sites.
- Since ERAS pathways is transferable to other surgical specialities, any lessons learned can be applied to other disease sites across RCN partnered hospitals in the future.



Mid-thoracic epidural Anesthesia/analgesia No nasogastric tubes Prevention of nausea & vomiting Avoidance of salt & water overload Early removal of catheter Early oral nutrition Non-opioid oral analgesia/NSAIDS Early mobilization Stimulation of gut motility Audit of compliance & outcomes