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10-2023

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The Implementation of a Pectus Bar Insertion ERAS Pathway

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Introduction & Background

•ERAS protocols were first introduced in the 1990s and have continued to evolve. All ERAS protocols aim to optimize perioperative care through protocols based on the best scientific evidence available.

•Pectus bar insertion has traditionally been a multi-day hospital stay for postoperative pain control. Cryoablation has dramatically improved postop pain and thus opportunity to shorten length of stay

•We utilize the Department of Evidence Based Practice to help with the development and implementation of these pathways

	Pre-	Ор		
ERAS Pectus Excavatum Repair with Bar Placement Enhanced Recovery After Surgery Pathway				
BEFORE SURGERY	 Attend preop visit on the diagnosis, treatment and management of pectus excavatum (<u>www.childrensmercy.org/pectus</u>) Sign up for the patient portal Perform daily pectus exercises Take 1 capful of MiraLAX once daily starting 3 days prior to surgery Bathe or shower the night before or morning of surgery. No lotions, oils, powders, or creams after the bath/shower 			PECTUS CLINIC
DAY OF SURGERY	 Do not eat solid food six hours before surgery Finish drinking a carbohydrate-rich drink 2-3 hours before surgery – you must not eat or drink anything a full 2 hours before surgery Take pre-operative medication for anxiety, if needed A topical patch for prevention of nausea/vomiting will be placed 			PRE-SURGICAL AREA
DURING SURGERY	 Cryoablation will be performed to freeze the intercostal nerves on each side prior to placing the bar. This will temporarily decrease pain transmission through these nerves. Multiple approaches to treat pain and reduce opioid need Prevention of post-operative nausea 			OPERATING ROOM
AFTER SURGERY	 Transition from IV to oral medications as soon as possible Combination of medications to treat pain Prevention of nausea and tolerate oral intake of food Getting out of bed as soon as possible after surgery Achieve good pain control Review postoperative instructions including recommended pain and bowel medication regimen 			OBSERVATION UNIT
FOLLOW UP	 Monitor recovery and appear Follow recommended medication Complete the satisfaction sur Attend follow-up clinic visit in 	itions and method vey	HOME	
Developed by Depar 9.10.22	tments of Surgery and Evidence Based Practice			



