Pectus Excavatum Repair Care Pathway

Introduction

Target Population:

- This pathway is for use with children aged 10-18 years old with no underlying disease or comorbidity who have been consulted and admitted by the General and Thoracic Surgery Team for a pectus excavatum repair (NUSS or Ravitch procedure).
- Patients are to be removed from this pathway if there are significant postoperative complications (example bowel obstruction or prolonged TPN), or a change in diagnosis.

Target users:

- Surgeons, medical trainees (residents and fellows), Nurse Practitioners, and bedside nurses.
## Pectus Excavatum Care Pathway

### Expected Date of Discharge:

**PRE-OPERATION**

1. Hydration maintained
2. Adequate pain control
3. Patient prepared for OR
4. Childfamily are advised of pre-op bath. Wipes to be used upon arrival. Refer to [procedure document](#).

**REGARD**

- Obtain history
- Complete physical exam
- Assess vital signs
- Complete pain assessment (refer to Pain Assessment Guidelines)

**DIET & IV FLUIDS**

- Ensure that patient is NPO
- Administer DSW/0.9 NaCl with 20mEq KCL/L at maintenance
- Bolus as indicated
- Refer to [Fluid and Electrolyte Guidelines](#)

**MEDICATION**

- PCA or Thoracic Epidural as per Acute Pain Services (APS); warn as tolerated
- If patient refuses IV acetaminophen as indicated
- NAPA is needed for pain
- For NUS procedure only: use Methocarbamol (Robaxin); need to assess Acetaminophen total daily intake, not to exceed 75 mg/kg/day

**ACTIVITY & EDUCATION**

- Activity: as tolerated
- Consent for surgery
- Provide education re: pre-operative process for child and caregiver
- Teach parents/caregiver about post-operative care of pectus excavatum repair; consider medical alert bracelet

### Guideline Group and Reviewers

#### Guideline Group Membership
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2. Dina Prajapati RN(EC), BScN, MN, NP-PHC General Surgery

#### Internal Reviewers
1. Jacob Langer MD Pediatric Surgeon
2. Annie Fecteau MD Pediatric Surgeon
3. Sabrina Boodhan, Clinical Pharmacist

#### External Reviewer
1. Sharifa Himidan MD Pediatric Surgeon, North York General Hospital
References


Attachments:

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