Introduction

This pathway was developed by an interdisciplinary clinical group from SickKids using research knowledge, clinical experience and consensus agreement. This pathway is a general guideline and does not represent a professional care standard governing providers' obligations to patients. Care is revised to meet individual patient needs.

Target Population

- Children aged 2-18 years old who have undergone a laparoscopic cholecystectomy by the General Surgery Team;
- Patients are to be removed from this pathway if there are significant underlying disease, significant postoperative complications (e.g. bowel obstruction or prolonged TPN) or a change in diagnosis; and
- If a patient has Sickle Cell Disease please consult hematology for guidance on fluids, oxygen, and pain management. These patients are pre-admitted the day before surgery

Target Users

- Surgeons, residents, fellow and nurses on ward.
### Laparoscopic Cholecystectomy Care Pathway

#### Expected Date of Discharge: within 24 hours post-op

<table>
<thead>
<tr>
<th>GOALS</th>
<th>PRE-OPERATIVE</th>
<th>IMMEDIATELY POST-OPERATIVELY</th>
<th>POST-OP DAY 1</th>
<th>DISCHARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Obtain history</td>
<td>Complete physical exam</td>
<td>Ensure child has adequate pain control</td>
<td>Complete pain assessment every 4 hours</td>
<td>Complete pain assessment every 4 hours</td>
</tr>
<tr>
<td>Complete pain assessment (refer to Pain Assessment Guidelines)</td>
<td>Obtain accurate pulse and blood pressure</td>
<td>Monitor vital signs every 4 hours</td>
<td>Ensure child has adequate pain control (refer to Pain Management Guidelines)</td>
<td></td>
</tr>
<tr>
<td>Ensure child has adequate pain control (refer to Pain Management Guidelines)</td>
<td>Obtain accurate pulse and blood pressure</td>
<td>Complete wound assessment</td>
<td>Monitor vital signs every 4 hours</td>
<td></td>
</tr>
<tr>
<td>Assess for jaundice</td>
<td>Obtain accurate pulse and blood pressure</td>
<td>Complete abdominal assessment</td>
<td>Obtain accurate pulse and blood pressure</td>
<td></td>
</tr>
<tr>
<td>Remove surgical dressing if leaves staples</td>
<td>Obtain accurate pulse and blood pressure</td>
<td>Assess for jaundice</td>
<td>Obtain accurate pulse and blood pressure</td>
<td></td>
</tr>
</tbody>
</table>

#### Activities and Education

<table>
<thead>
<tr>
<th>Activities</th>
<th>Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activity as tolerated</td>
<td>Consent for surgery</td>
</tr>
<tr>
<td>Pre-op procedures for child and caregiver</td>
<td>Activity: use of bed to bed and ambulating in hallways not allowed</td>
</tr>
<tr>
<td>Review when diet starts</td>
<td>Review for pain management</td>
</tr>
<tr>
<td>Review need for mobility</td>
<td>Review for pain management</td>
</tr>
<tr>
<td>Review need for parental involvement in care</td>
<td>Review for pain management</td>
</tr>
</tbody>
</table>

#### Related Documents

- Care of Patients Receiving Continuous Infusion of Opioids
- Care of Patients Receiving Patient Controlled Analgesia
- SickKids Formulary
- Fluid & Electrolyte Administration in Children

#### References


**Guideline Group and Reviewers**

**Guideline Group Membership**
1. Monping Chiang RN (EC), MN, FNP, NP General Surgery
2. Fatma A. Rajwani, PT, Quality Management

**Internal Reviewers**
1. Jacob Langer MD Pediatric Surgeon

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

**Implementation Plan**

- Education and awareness building by General Surgery Program (Surgeons, NPs, fellows, nurse educator) at: fellow orientation (once per year) nursing orientation (every 3 months), and residents orientation (every month).
- Surgeons to communicate any updates in practice to Division of General Surgery.

**Evaluation Plan**

- Abdominothoracic Approach order set utilization
- Length of stay (LOS)
- Correlation between LOS and order set utilization

**Attachments:**

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