

Laparoscopic Cholecystectomy Care Pathway

Version: 1

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Introduction

This pathway was developed by in 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.

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Laparoscopic Cholecystectomy Care Pathway Expected Date of Discharge: within 24 hours post-op				
	PRE-OPERATIVE	IMMEDIATELY POST-OPERATIVELY	POST-OP DAY # 0	DISCHARGE
GOALS	 Hydration maintained Adequate pain control Patient prepared for OR Child/amily are advised of pre-op bath. Wipes to be used upon arrival. Refer to <u>procedure document</u> 	Afebrile Adequate pain control Adequate pain control Adequate pain control Ade to tolerate clears (immediately post-op) Able to tolerate clears (immediately post-op) Incision intact, no drainage; dry and intact	1. Afebrile 2. Adequate pain control 3. Ambulating 4. Able to tolerate diet 5. Incision dry & intact	1. Afebrile 2. Adequate pain control 3. Ambulating 4. Able to tolerate diet 5. Incision dry and intact 6. Child/ caregiver teaching completed 7. Family understands discharge teaching
PHYSICAL EXAM	 Obtain history Complete physical exam Assess vital signs Complete pain assessment (refer to <u>Pain</u> <u>Assessment Guidelines</u>) Ensure child has adequate pain control (refer to <u>Pain Management Guidelines</u>) 	Complete pain assessment every 4 hours Ensure child has adequate pain control (refer to Pain Management Guidelines) Monitor vital signs as per BPews Obtain accurate in and out Complete wound assessment Complete abdominal assessment Assess for jaundice	Complete pain assessment every 4 hours Ensure child has adequate pain control (refer to Pain Management Guidelines) Monitor vital signs as per BPews Obtain accurate in and out Assess for jaundice Complete wound assessment Complete abdominal assessment Remove surgical dressing but leave steristrips	
DIET & IV FLUIDS	Ensure NPO	Clear fluids to diet as tolerated Administer DSW/0.9 NaCl with 20mmol KCL/L at maintenance Bolus as indicated Refer to Fluid and Electrolyte Guidelines	Clear fluids to diet as tolerated Administer DSW/0.9 NaCl with 20mmol KCL/L at maintenance until adequate oral fluid intake TKVO once adequate oral fluid intake	Diet as tolerated
LABS & MEDICATION	Complete CBC and differential Cross and type	Labs as clinically indicated If pain/fever, administer acetaminophen as indicated Ketorolac/Ibuprofen every 6 hours as needed for pain Morphine as indicated	Labs as clinically indicated If pain/fever, administer acetaminophen as indicated Ketorolac/ibuprofen every 6 hours as needed for pain	If needed, provide prescription for oral medication
ACTIVITY & EDUCATION	 Activity: as tolerated Consent for surgery Pre-op procedures for child and caregiver 	 Activity: out of bed to chair and ambulating in hallway X5 Review when diet will start Review need for pain management Review need for mobility Review need for parental involvement in care 	 Activity: out of bed to bathroom and ambulating in hallway at least 5 times Review incision care: leave steristrips until they fall off or remove after 10 days Review bathing: may shower 48 hours after surgery and wash incision gently with soap and water May swim 48 hours post-op May return to normal activities of daily living as tolerated Review signs and symptoms of wound infection: fever, redness around incision, drainage from incision, increasing pain around incision, and fluid accumulation under incision 	 Review when to call surgeon's office: wound Infection, vomiting, fever, jaundice, and/or pain Confirm follow up appointment with primary surgeon 6-8 weeks post-op (if indicated) Book appointment with family doctor/pediatrician within 1 week Review post-op day # 1 teaching

PRINTABLE VERSION

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

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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:

lap chole final 2019.pdf

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