1.0 Introduction

1.1 Target Population:

- This pathway is for use with children aged 2-8 weeks old with no underlying disease or comorbidity who have been diagnosed with hypertrophic pyloric stenosis by the General Surgery Team who require open or laparoscopic pyloromyotomy.
- Patients are to be removed from this pathway if there are significant postoperative complications for example bowel obstruction or prolonged TPN; or a change in diagnosis.

1.2 Target users:

- Surgeons, medical trainees (residents and fellows), Nurse Practitioners, and bedside nurses.
## 2.0 Guideline

### Hypertrophic Pyloric Stenosis Care Pathway

<table>
<thead>
<tr>
<th>Pre-Operative</th>
<th>Recovery</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Goals</strong></td>
<td><strong>Expected Date of Discharge</strong></td>
<td><strong>1. Activity</strong></td>
</tr>
<tr>
<td>Obtain history</td>
<td>* Complete pain assessment every 4 hours</td>
<td>1. Activity</td>
</tr>
<tr>
<td>Complete physical exam</td>
<td>* Obtain in and out</td>
<td></td>
</tr>
<tr>
<td>Obtain weight and height</td>
<td>* Complete wound assessment</td>
<td></td>
</tr>
<tr>
<td>Assess vital signs</td>
<td>* Obtain daily weights</td>
<td></td>
</tr>
<tr>
<td>* Complete pain assessment</td>
<td>* Remove surgical dressing and loose suture strips</td>
<td></td>
</tr>
<tr>
<td>* Obtain in and out</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Physical Exam

- \* Ensure NPO
- \* Set NG tube to low intermittent suction
- \* Administer D5W 9% NaCl and 20mmol KCL at maintenance
- \* Bolus as indicated

#### Units & Meds

- \* Complete CBC and differential
- \* Order electrolytes (K+, Cl, Na+, VBG, urea, creatinine)

#### Education

- \* Review incision care: leave suture in place until it falls out or be removed after 10 days, and gently wash incision with soap and water
- \* Review signs and symptoms of wound infection: fever, redness around incision, drainage from incision, and increasing pain around incision
- \* Review bathing: i.e., may bathe 48 hours after surgery
- \* Provide prescription for oral antibiotics if indicated
- \* Review when to call surgeon’s office: wound infection, increase in swelling from baseline, and fever

### Post-op Feeding Algorithm

**Printable versions of:**

- Hypertrophic Pyloric Stenosis Pathway
- Post-op Feeding Algorithm

## 3.0 References


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Attachments:

py stenosis_final_2019.pdf

Pyloric Stenosis Post-op Feeding Algorithm.pdf