Austin Radiological Association

BE AIR CONTRAST (FLBEACP)

Preparation:
Infant 29 days – 2 years: nothing to eat or drink 4 hours prior to exam
Child 2 – 16 years:
  1. Low residue diet for 24 hours prior to exam
  2. Magnesium citrate (see chart)
  3. Clear liquid supper after 3 p.m.
  4. Clear liquids until 4 hours prior to study.
  5. Nothing to eat or drink 4 hours prior to exam
  6. For double Air Contrast enema, if stool is not clear or yellow at 6 a.m. the day of the exam, give 1 fleets enema:

Anatomy Visualized:
Entire large bowel

Contrast:
Liquid Polabar Plus

**BE Double Contrast (FLBEACP)**

**Imaging Procedure**
- Procedure is explained to patient and parent
- AP scout film is taken and reviewed by radiologist
- Patient is turned to the left side. Enema tip is inserted
- Flow of barium is started
  - Take 1 image of filled lateral rectum and sigmoid
- Barium is allowed to fill colon – to hepatic flexure
- Barium bag is lowered allowing some barium to drain back into bag.
- Barium bag is clamped shut; Barium bag is put on table.
- The patient begins to roll to the left as air is inflated into the colon
  - This process is closely monitored.
- Patient is AP (Colon should be completely coated with barium. If not, the table can be raised to use gravity to help fill the colon.
- With the patient upright, spot films are taken:
  - Descending colon
  - Splenic flexure
  - Transverse colon
  - Hepatic flexure
  - Ascending colon
- Overhead films are taken:
  - LPO – 30 degree caudal sigmoid
  - Rt AP decubitus
  - Lt AP decubitus
- Films are checked by the radiologist
  - Cross table lateral rectum with tip out.

**Magnesium Citrate Chart**

<table>
<thead>
<tr>
<th>Child’s age</th>
<th>Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 1 year</td>
<td>No laxative</td>
</tr>
<tr>
<td>1 –3 years</td>
<td>1 1/2 ounces</td>
</tr>
<tr>
<td>4-5 years</td>
<td>2 1/2 ounces</td>
</tr>
<tr>
<td>6-8 years</td>
<td>3 ounces</td>
</tr>
<tr>
<td>9-12 years</td>
<td>4 ounces</td>
</tr>
<tr>
<td>13 – 18 years</td>
<td>5 ounces</td>
</tr>
</tbody>
</table>

Reviewed: 3/9/2017
Revised: 2/11/2016
- Patient is allowed to evacuate
  - Take 1 image – AP post-evac abdomen
- Image is checked by radiologist
- Post exam instructions are given to the patient