Management of the Newborn with ARM

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The 65th Workshop for the Surgical Treatment of Colorectal Problems in Children

What is the first and most important objective you need to do in a newborn with an anorectal malformation?

- 1. Evaluate the sacral ratio to notify the parents about the prognosis of the fecal control
- 2. Discard life-threatening malformations
- 3. Decide if you do a colostomy
- 4. Decide if you do an anoplasty
- 5. Identify if the patient has a clinically evident fistula





- Life-threatening associated anomalies?
- Colostomy or anoplasty?





 Does the baby have a clinically evident fistula?









Associated Defects

What is the most frequent congenital malformation associated in patients with imperforate anus?

- 1. Atrial septal defect
- 2. Tethered cord
- 3. Hemi-sacrum
- 4. Hydronephrosis
- 5. Esophageal atresia





Associated Defects

- Abdominal/kidney ultrasound
 - Hydronephrosis? (50%)
 - Hydrocolpos? (30%)
- Echocardiogram (30%)
- Gl Defects 8% EA, 3% duodenal atresia
- Lumbar spine
- Sacrum hemi-sacrum and sacral ratio
- Spinal ultrasound
 - Tethered cord? (25%)





How many hours do you wait to perform a colostomy or an anoplasty?

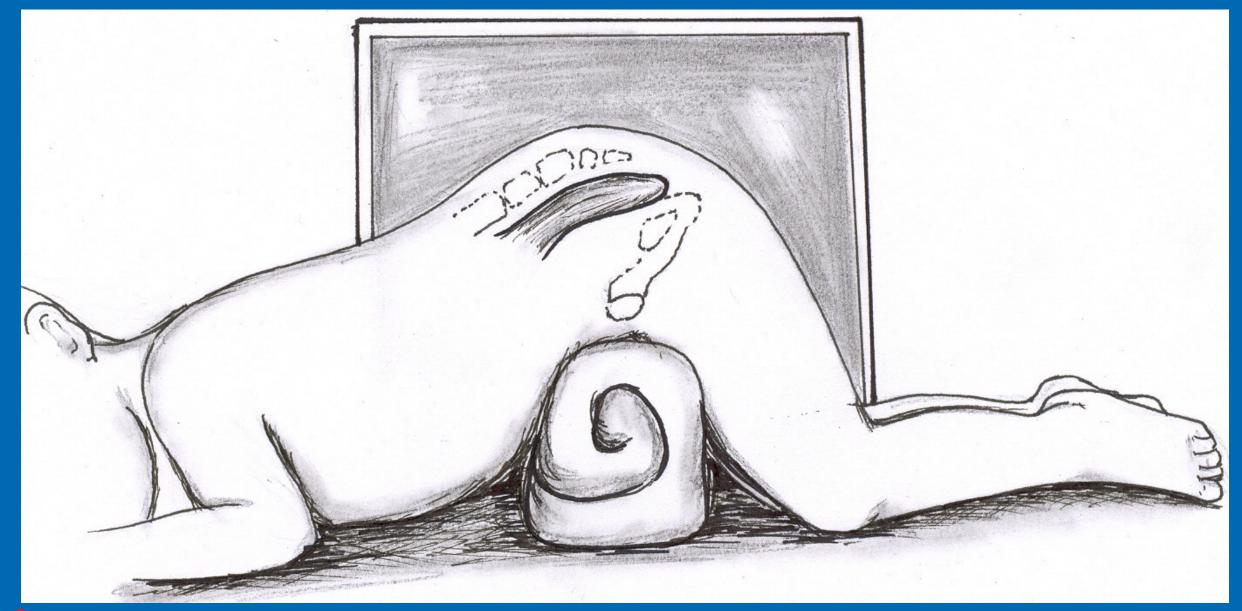
- 1. 48 hours
- 2. 12 hours
- 3. 24 hours
- 4. 36 hours
- 5. 72 hours



Colostomy vs. Anoplasty

- Wait 24 hours
- Meticulous Inspection of perineum
- Urinalysis, meconuria
- Crosstable lateral film













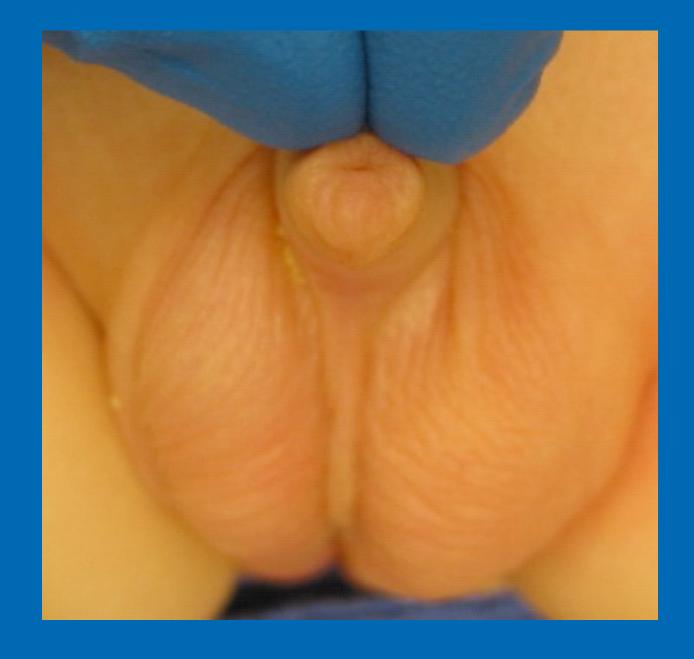




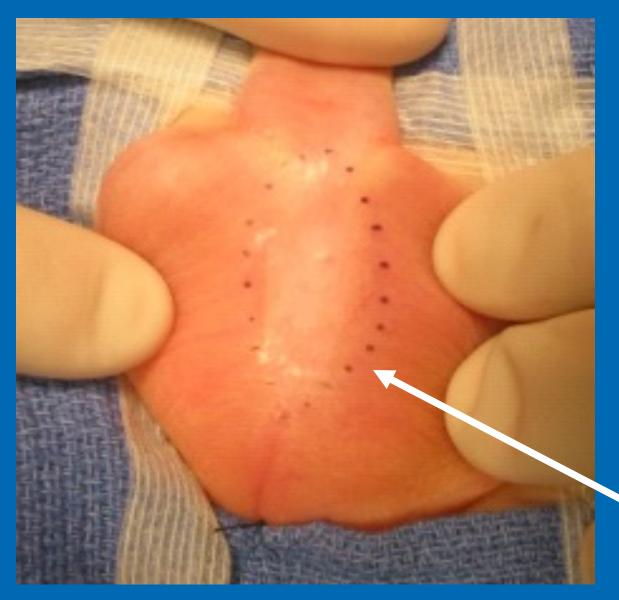




Bifid Scrotum

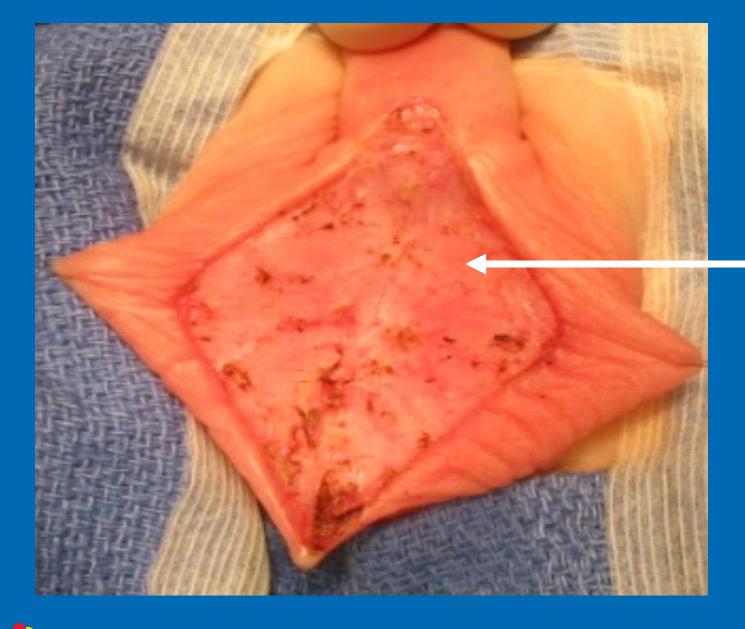






Incision Line





Abnormal resected skin



Final Aspect



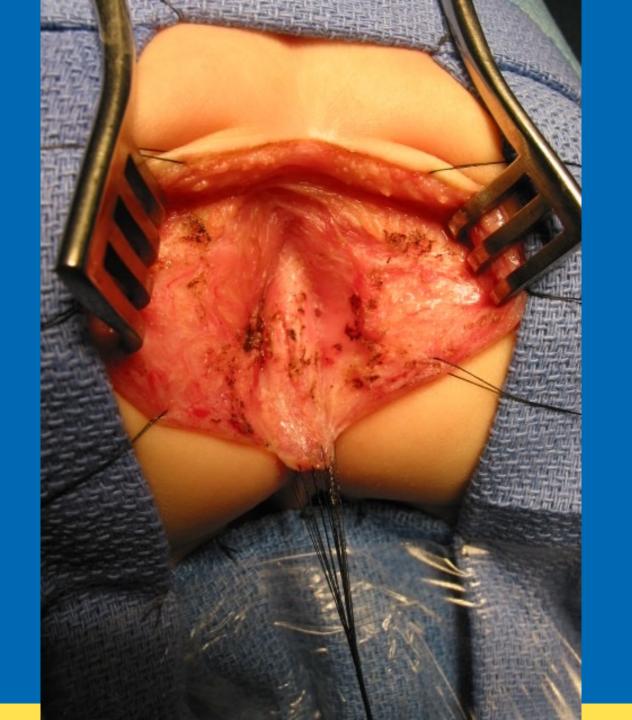




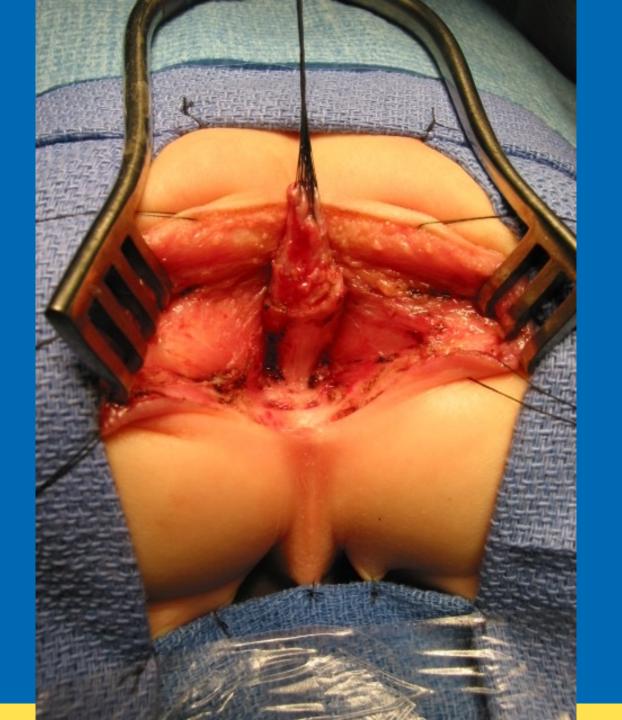




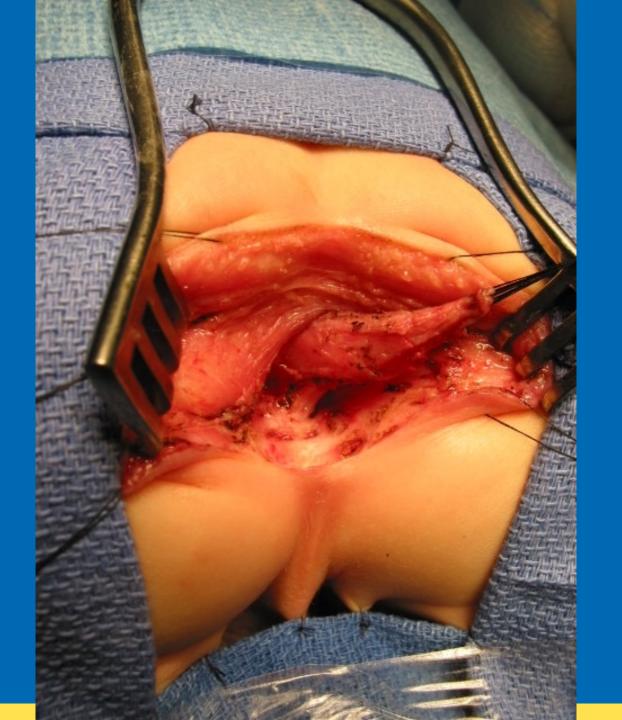




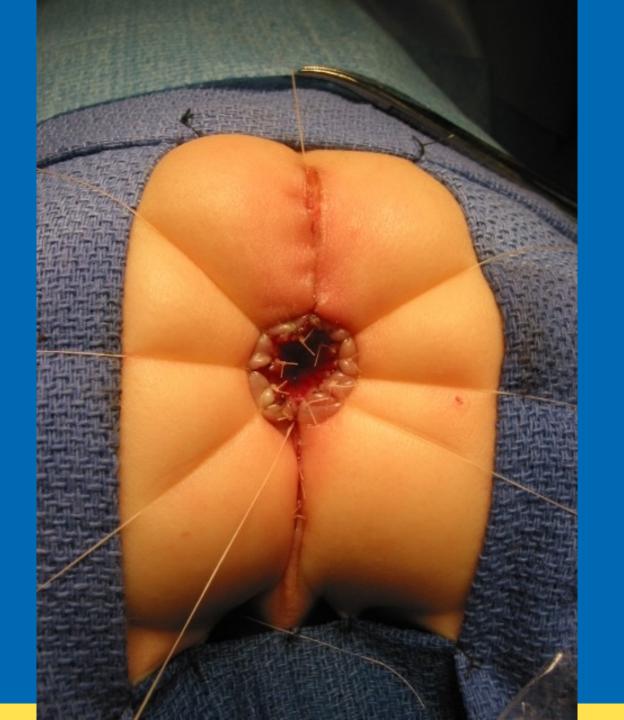












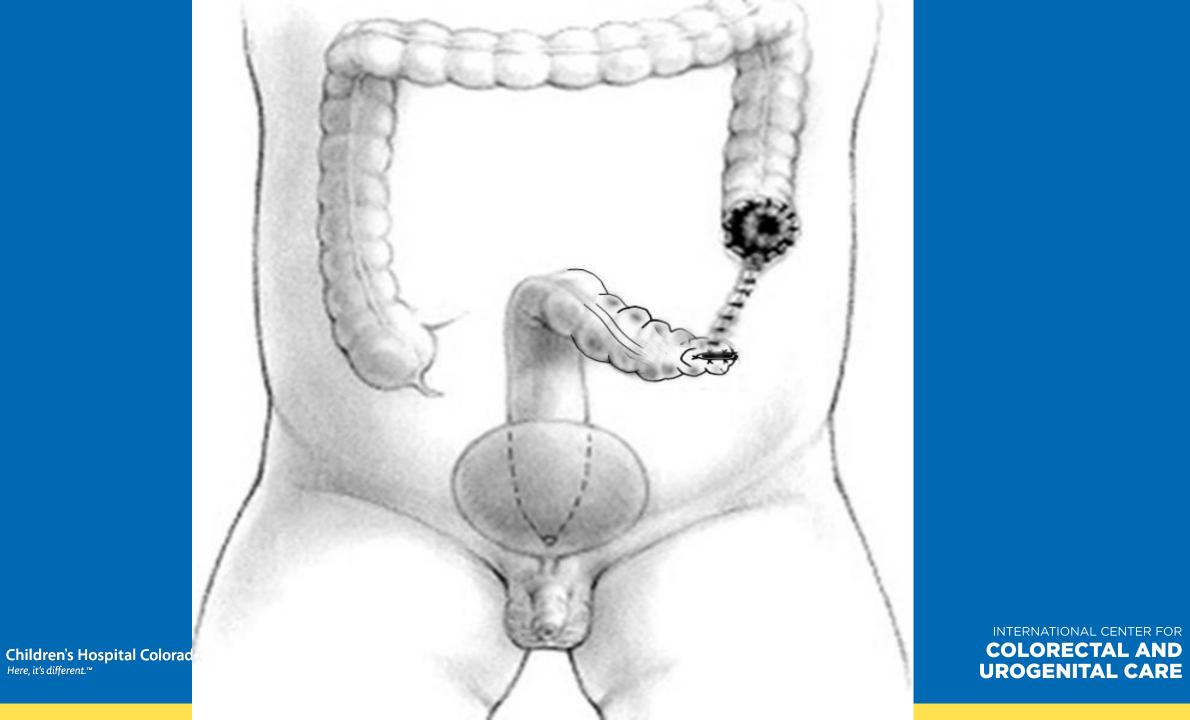


Which is the type of colostomy recommended in patients with an anorectal malformation?

- 1. Loop colostomy
- 2. End colostomy and Hartmann's pouch
- 3. Sigmoidostomy with mucous fistula
- 4. Proximal descending colostomy with mucous fistula
- 5. Distal descending colostomy with mucous fistula



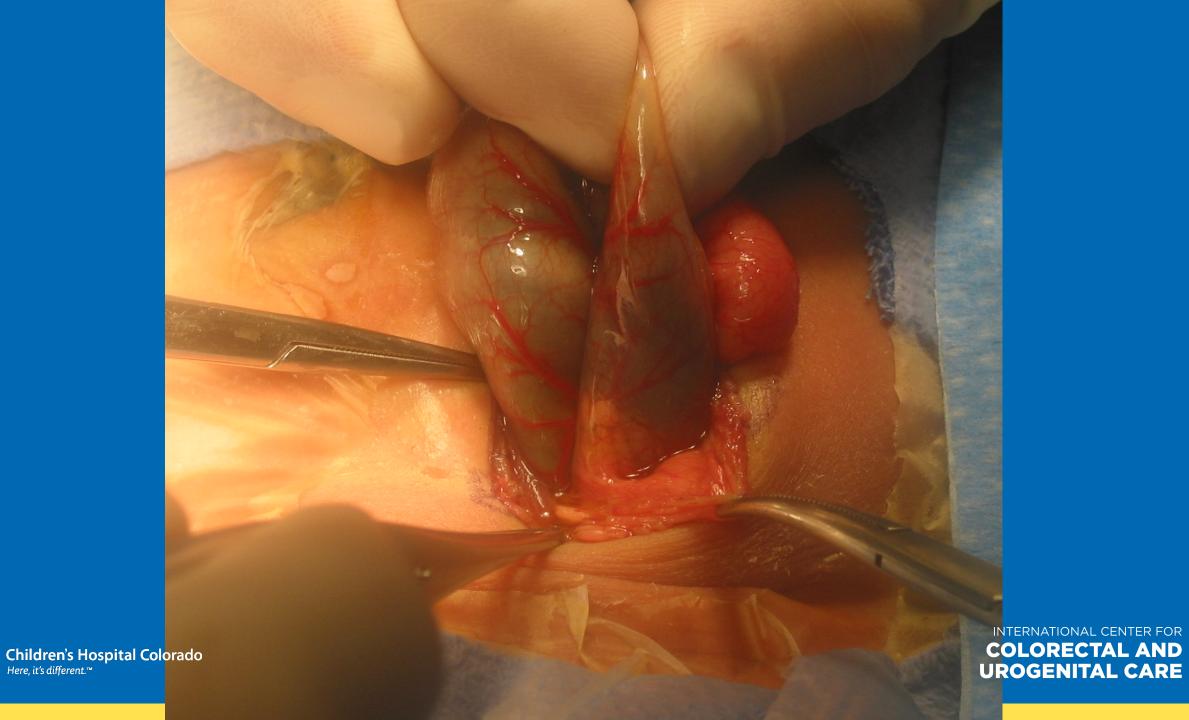


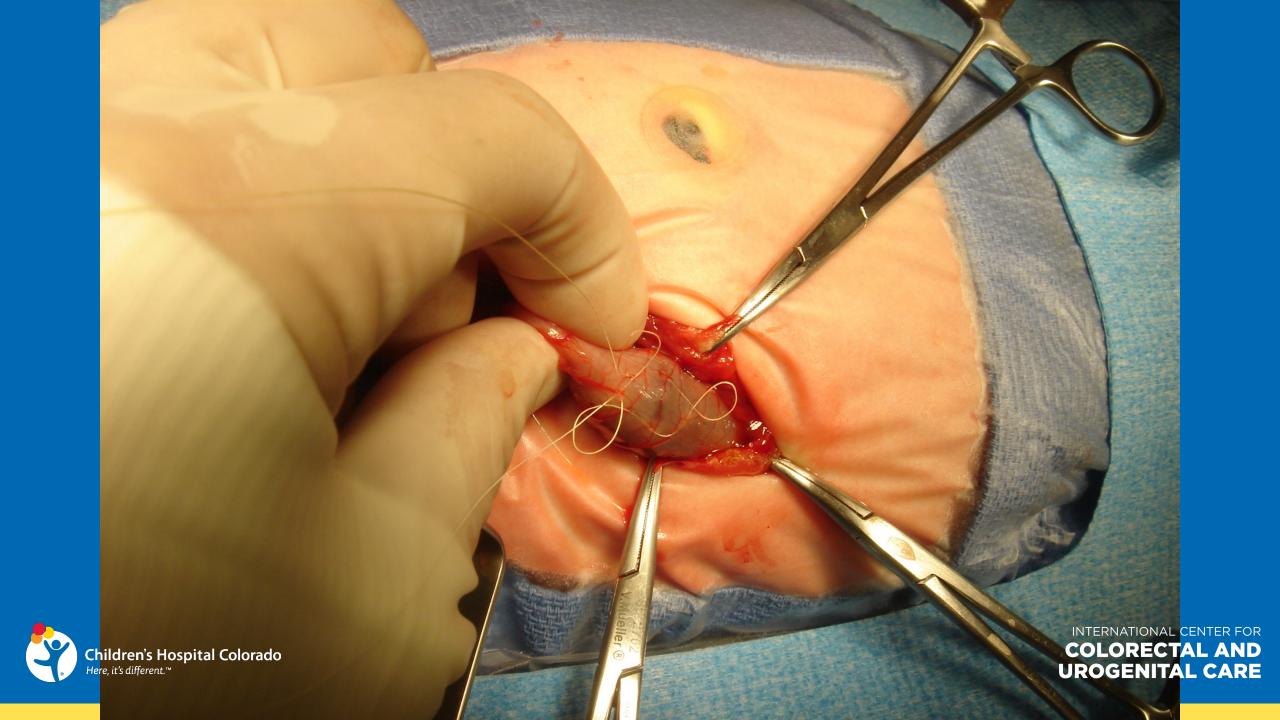


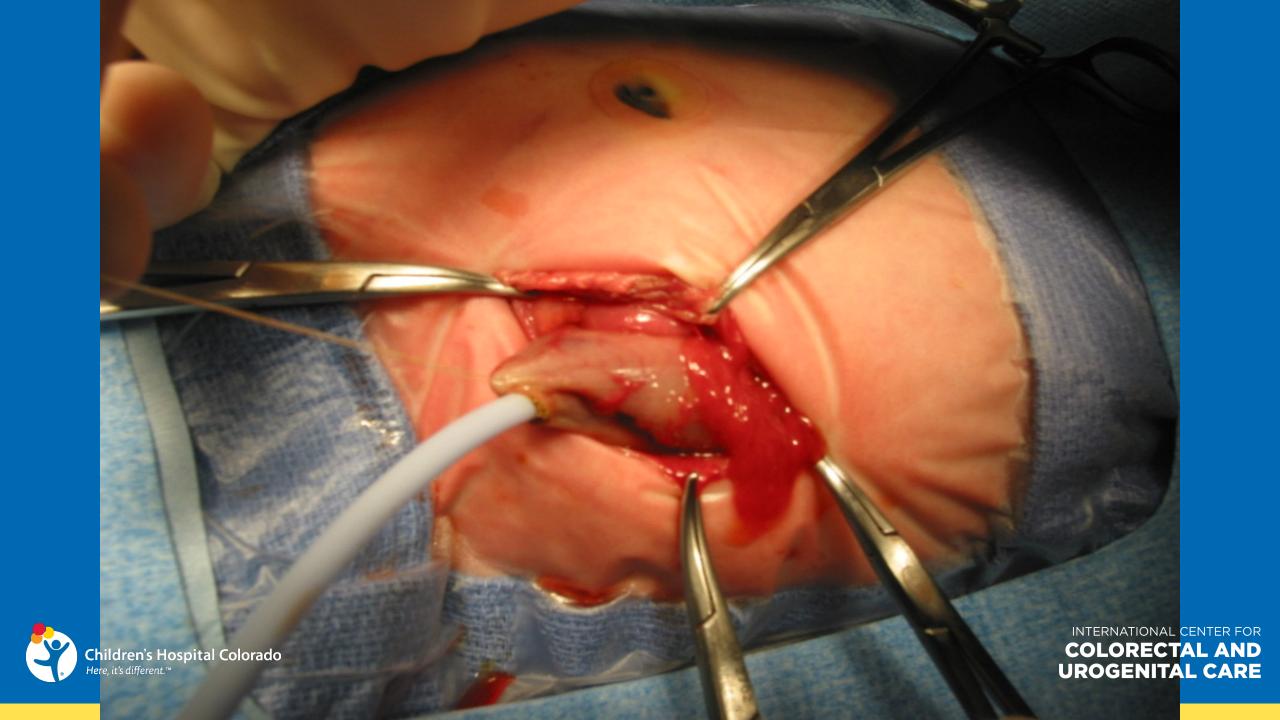


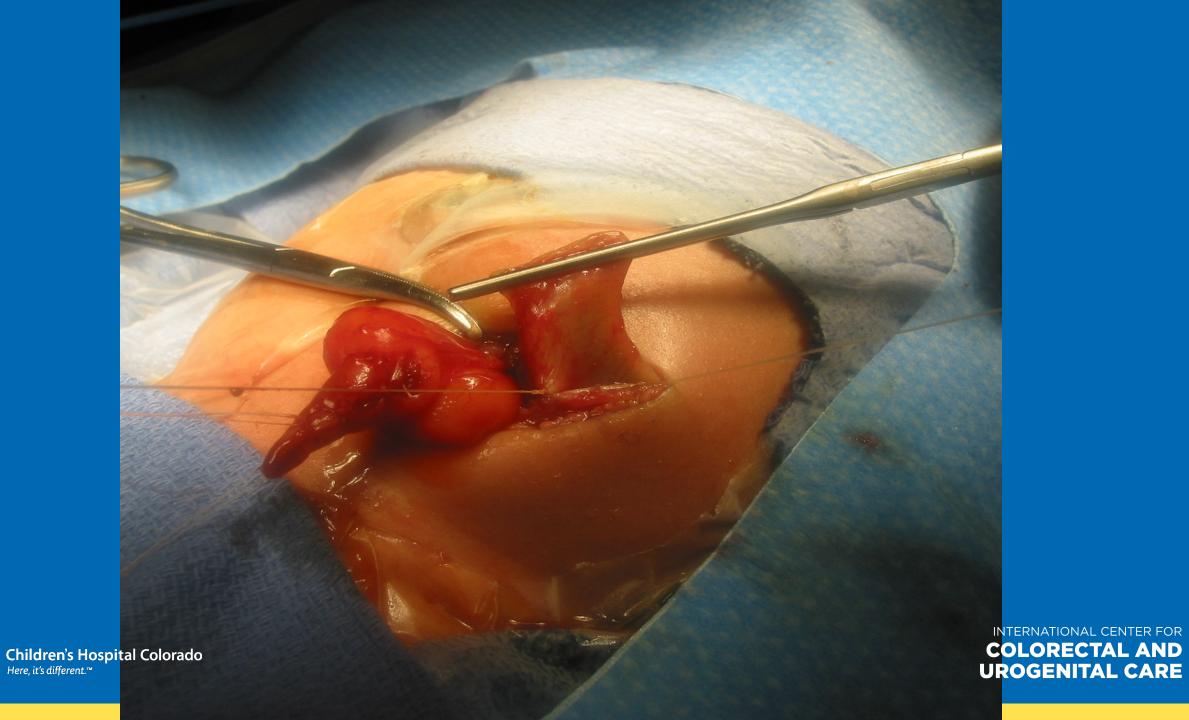


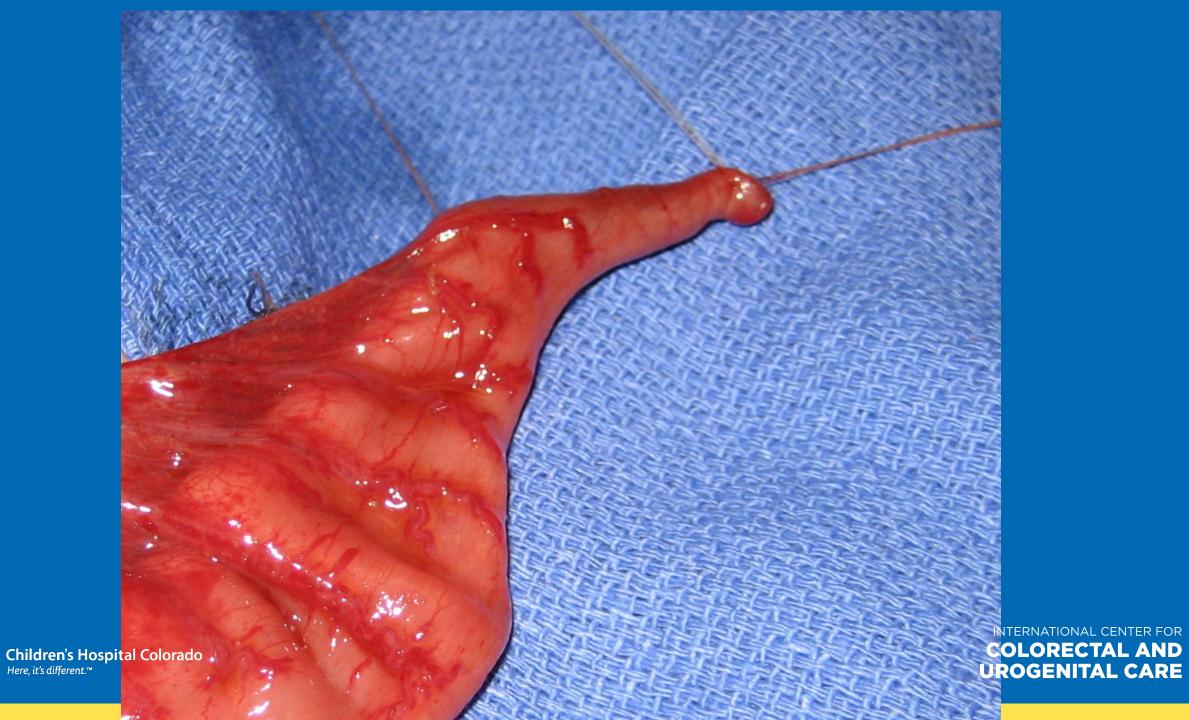






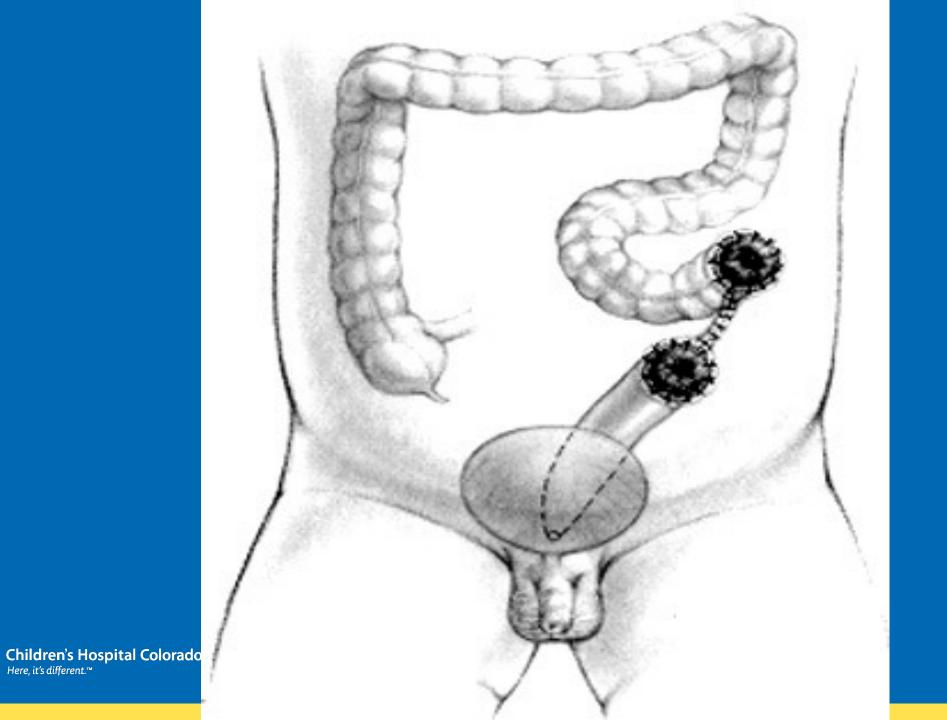


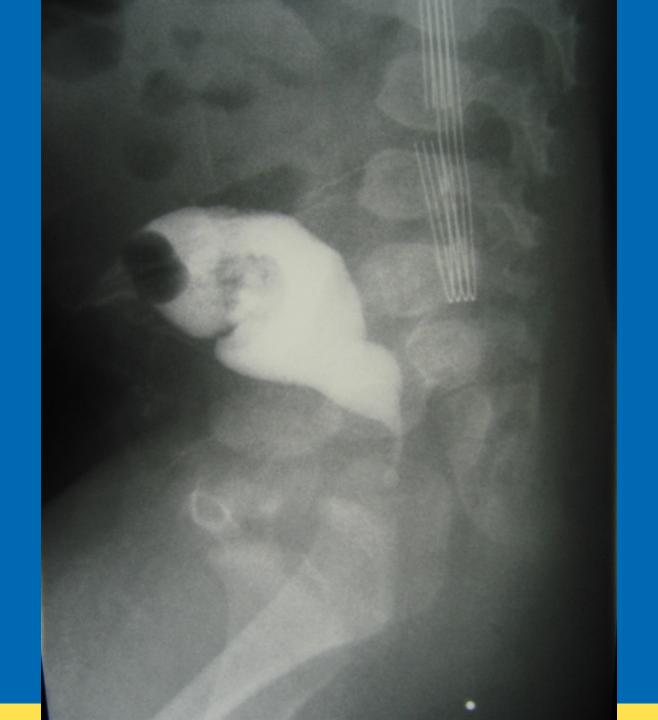




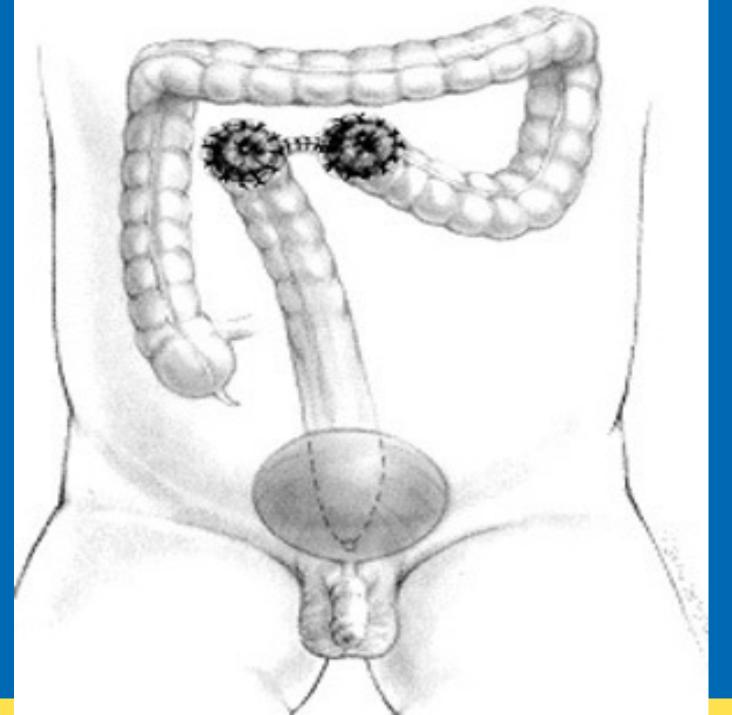








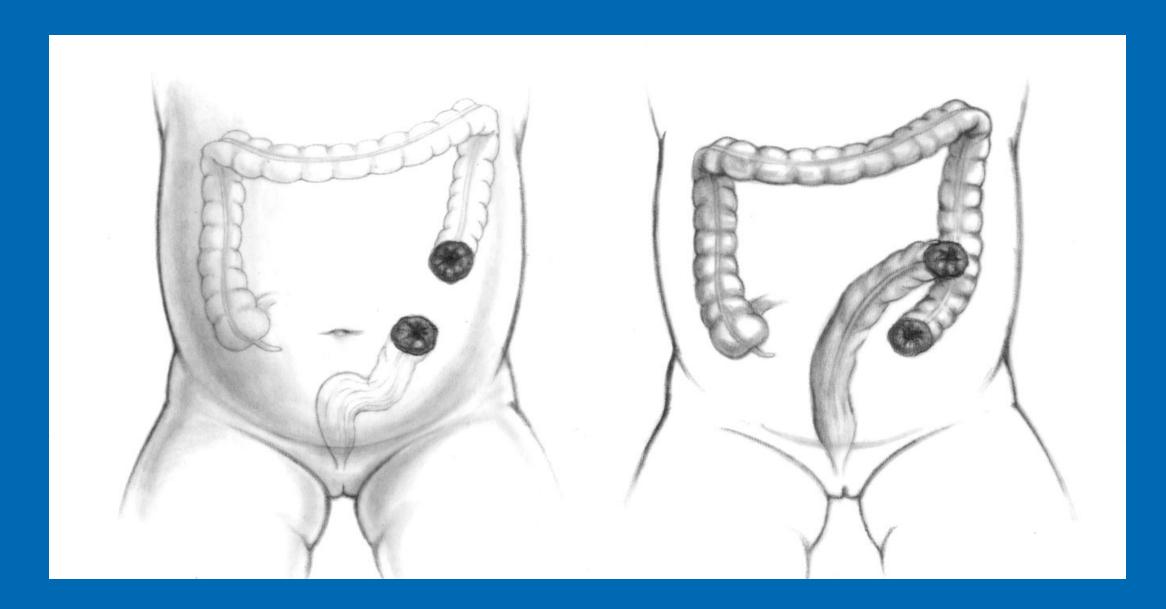




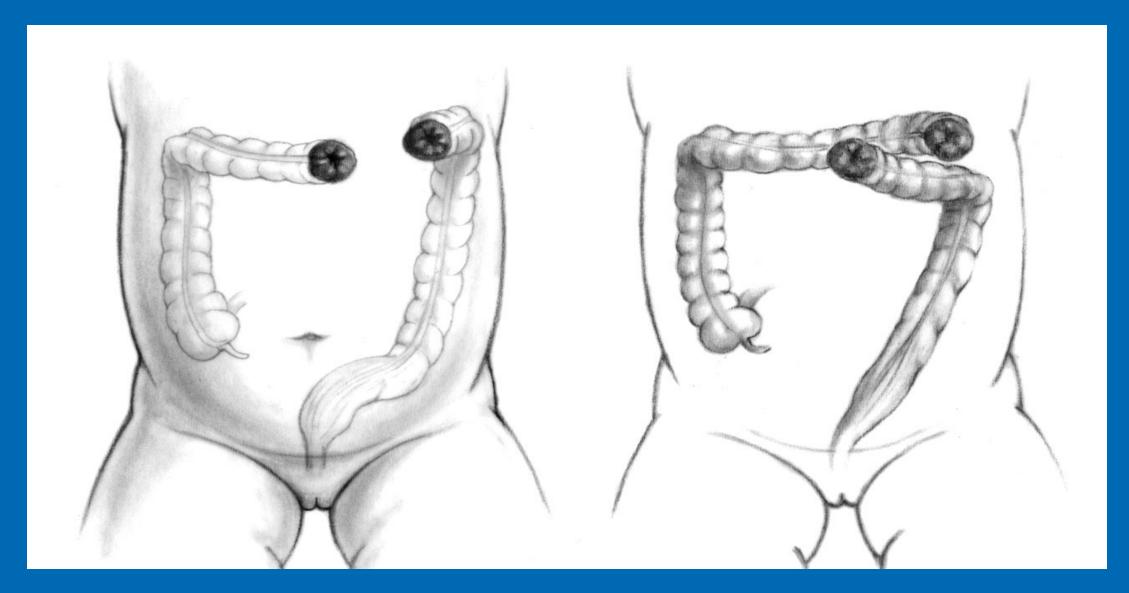














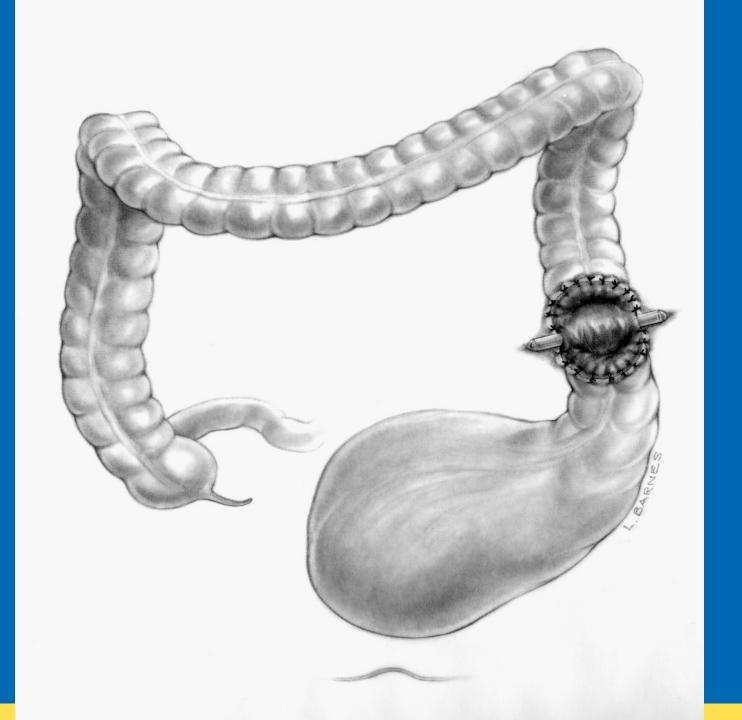




Inverted





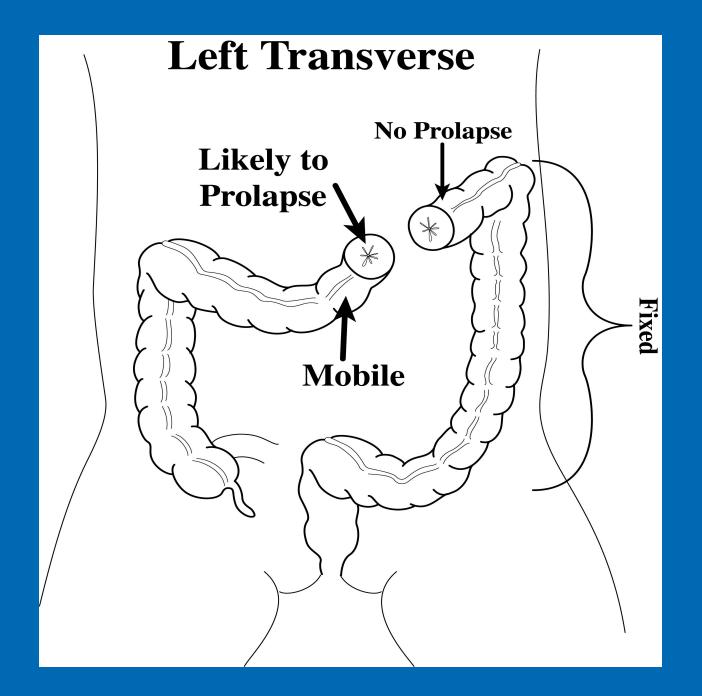




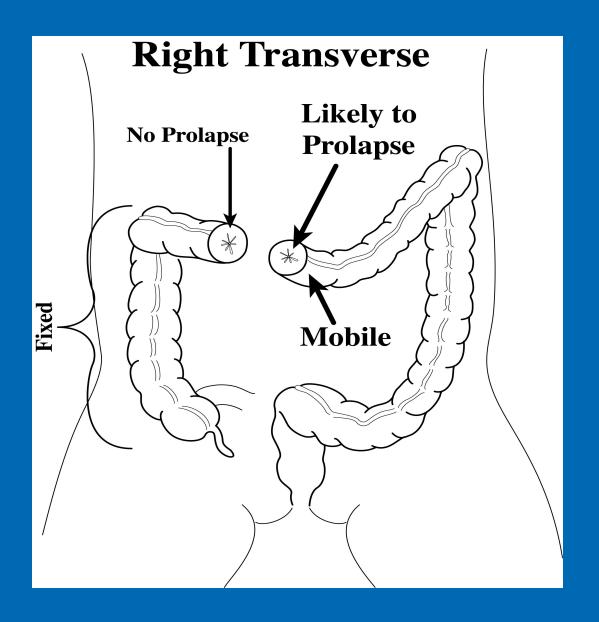




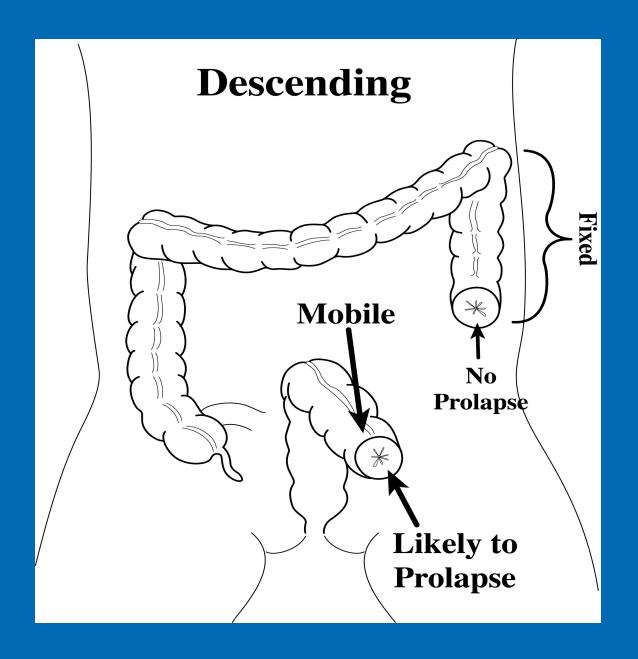








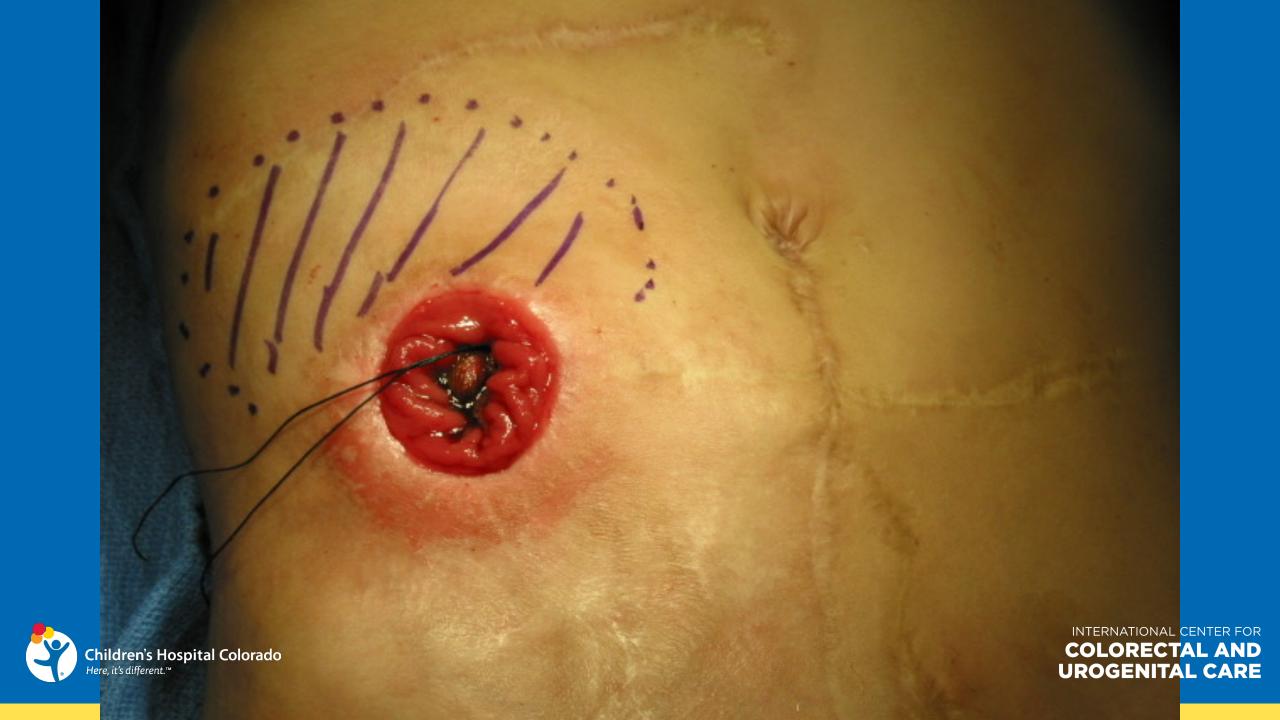


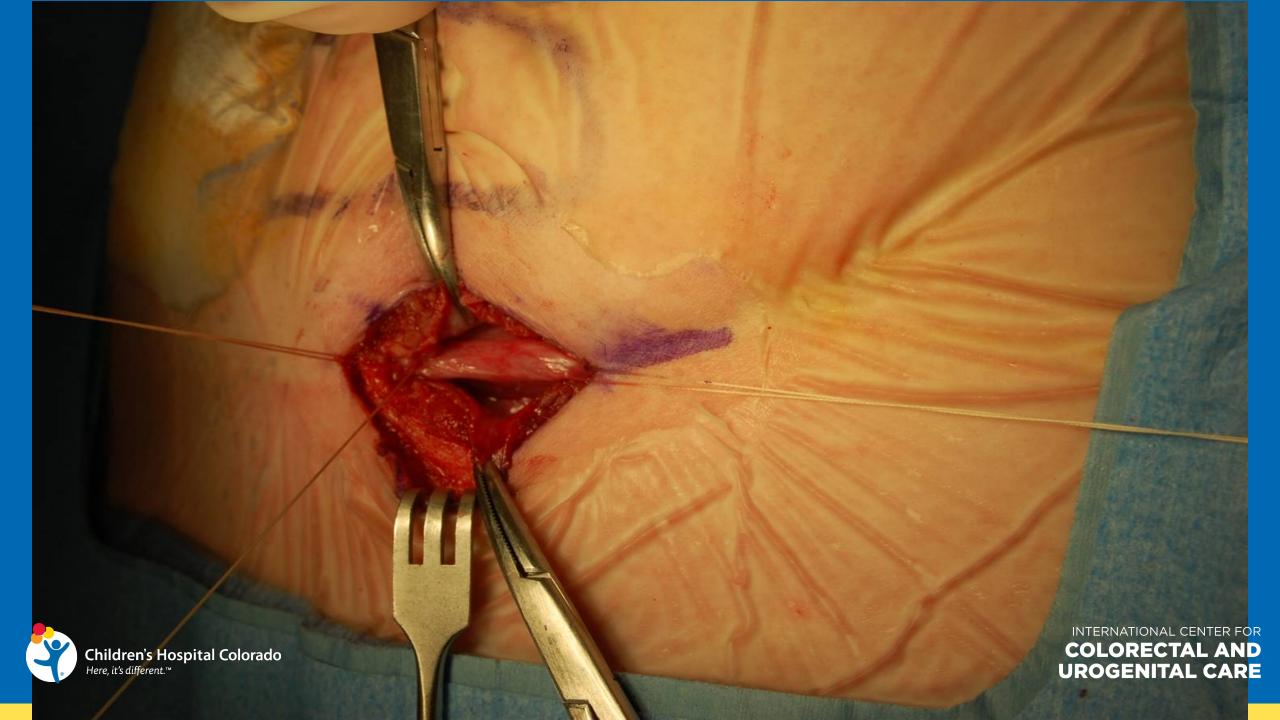














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