# Total Colonic Aganglionosis – When and How to do the Pull-through

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### **Two Scenarios**



- 1 (ideal) you suspected Total Colonic Aganglionosis. Leveling biopsies and ileostomy.
- 2 you did not suspect total colonic aganglionosis and this was an intraoperative finding. You have very good pathologist. Colectomy, ileo-anal anastomosis, protective ileostomy.

## **Our Protocol**



Ileostomy closure when:
Toilet trained for urine
Accepting rectal irrigations



# Why don't we recommend an ileo-anal pull through in a baby?



# **Ileostomy Prolapse**

# Why do they happen?How can we avoid it?









#### **Right Transverse**

















Request SOD CHLORIDE 4MEQ/ML INJ, 25X30ML Prescription

# You can start with 1mEq/kg every 12 hours if the urinary sodium is lower than 20mmol/L.





In a patient with Total Colonic Aganglionosis, a damaged anal canal means a permanent stoma.





You receive an email of an anxious mother saying that her 2 months old daughter received the diagnosis of total colonic aganglionosis, underwent an ileostomy at the umbilicus, and the surgeon plans a pull-through in 6 months - she wants to know your opinion about the case.

Before giving your opinion, you should ask the following questions:

- Is the child eating and growing well?
- Is the defunctionalized colon still inside?
- Any signs of enterocolitis?
- Do you know how to do rectal irrigations if needed?



### 2 months after ileostomy revision



Ileostomy was revised.

 Mother was taught how to do rectal irrigations.

 Patient is growing and eating well without any complains. When would you recommend the ileoanal pullthrough?













 Patient is 9 yo and has 4 to 6 voluntary bowel movements per day.







3 days old male patient presented to the hospital with bilious emesis and abdominal distension















**Underwent** leveling biopsies and ileostomy. Currently waiting to meet criteria for ileo-anal pullthrough.

Patches and Pouches (Kimura, Lester Martin/Duhamel, J pouch)

Idea/Desire

- Absorb water
- Form solid stool
- Decrease number of bowel movements



# Pouches and Patches Reality

- Fecal stasis
- Bacterial proliferation
- Inflammation
- Secretory diarrhea



## Questions?