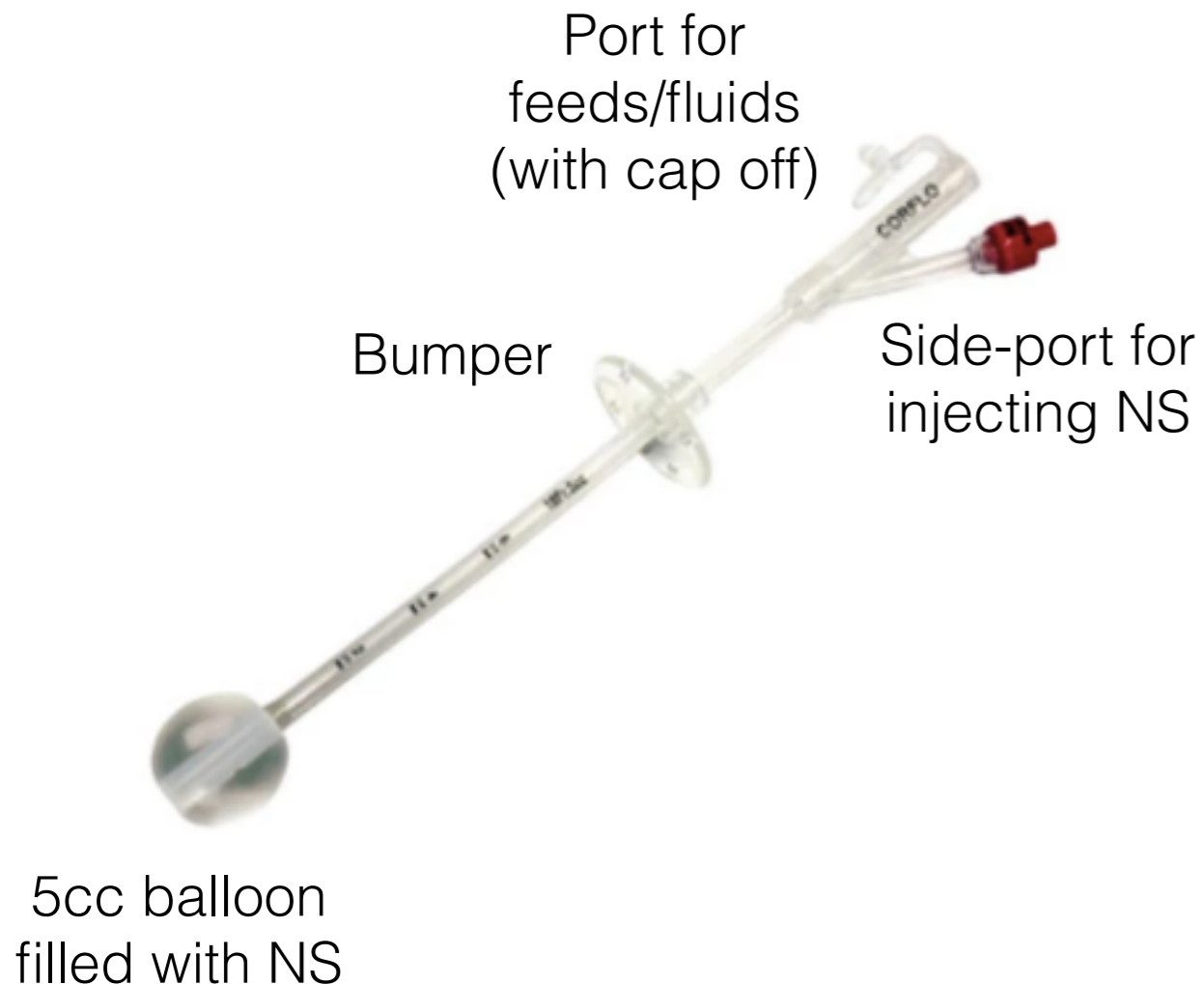


G-tube problems



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Conventional GT



- Commonly called *Corflo* (company name)
- No adapter needed (feed directly through port)
- Given longer size, produces more friction/irritation on the skin
- Stocked in PED supply room in variety of sizes
- Family usually has a spare at home but many parents feel uncomfortable replacing on their own

Low-profile (Button) GT

Tube length
from cap to
balloon
(width of
abdominal
wall)



Port for
feeds/fluids
(with cap on)

Side-port for
injecting NS

3-5cc balloon
filled with NS

- Commonly called *Mic-Key* (company name)
- Uses adapter tubing for feeds
- Small size is more comfortable with less friction on the skin
- NOT stocked in most PED supply rooms
- Family usually receives one every 2 months by their medical equipment company

Tube Dislodgment

- **Causes:** Balloon deflates or ruptures; Accidentally pulled out by patient or caregiver. GT lifespan maximum 6 months
- **Intervention:**
 - EARLY dislodgment: Placed < 6 weeks ago
 - Stoma begins to close < 1hr
 - Keep stoma open with original GT or foley
 - Call surgery!
 - LATE dislodgment: Placed > 6 weeks ago
 - Replace with same size CorFlo (may use home GT if not defective)
 - Techniques to confirm position (any works):
 - Trial of pedialyte via GT
 - Asp fluid via GT and test pH (gastric fluid 1.5-3.5)
 - Direct visualization of jet stream on POCUS (inject ~5cc NS or water)

Tube Dislodgment: How to replace a GT with mature stoma

Items:

-Same size (Fr)
Corflo GT from
supply room

-5cc syringe with NS

-Water-soluble lube
packet

Steps:

1. Test balloon of new GT by injecting NS, then completely remove
2. Cover distal end of new GT with lube
3. Close the cap of the GT (so gastric juice doesn't spill)
4. Insert GT at 90 degree angle. Some very mild resistance is ok but shouldn't need to force it.
5. If unable to pass GT, consider one size Fr smaller
6. Inflate GT balloon with 3-5cc NS
7. Lower the bumper so it's touching the skin. Gently pull back on GT to confirm it's secure
8. Confirm placement of GT

Tube Obstruction

Cause	Treatment	Prevention
Inappropriate med administration	Carbonated water (Coca-cola) dwell 20min. Insert warm water, push and pull plunger and repeat. Alternative: “Clog Zapper” by CorPak - dwell 20min.	Use liquid med, Y-in water
Thick formula/pill fragments		Use liquid med, Y-in water
Failure to flush		Flush after each feed/med
Defective tubing	Look for kinks, change extension tubing	Replace tubing

Tube Migration/Displacement

Cause	Sx/Si	Management
Balloon overinflation	Vomiting, Feeding intolerance (<i>Gastric outlet obstruction</i>)	Deflate and pull back tube XR GT non-fluoro study
Local mucosal injury	Gastrocolocutaneous fistula, diarrhea	+2v AXR if concerned for GI obstruction BMP if dehydration
GJ flipped into stomach	Vomiting, Feeding intolerance, Cough, Respiratory distress	IR replacement (?) Surgery consult (?)

Granulation Tissue



Granulation Tissue

Cause	Sx/Si	Treatment
<p>Body's healing process</p> <p>Poor stabilization (excessive friction)</p> <p>Excessive moisture</p>	<p>Pink-Red cauliflower like beefy tissue</p> <p>Grows around tube</p> <p>Friable - easily bleeds</p> <p>Yellow or brown drainage</p> <p>Not usually painful</p>	<p>Silver nitrate stick cauterization (hold <30sec, wipe off of surrounding tissue)</p> <p>Stabilize tube (use extensions only with feeds/meds)</p> <p>Keep dry</p> <p>Calmoseptine or Triamcinolone</p>

Calmoseptine: local anesthetic, antipruritic, antiseptic, skin protectant

Irritant Dermatitis

Due to stomach content/formula leaking, excessive moisture and/or friction on skin



Fungal (skin yeast)



Irritant Dermatitis

Cause	Treatment
<p>Increase in intra-abdominal pressure (constipation, coughing, vomiting, crying)</p> <p>Deflated balloon; GT too small; poor stabilization; displacement</p> <p>Body structure/positioning (scoliosis), slow motility, poor wound healing</p> <p>Overuse of skin cleaners or topical ointments</p> <p>*New stomas ooze up to 6 weeks. Small amount of bleeding can be normal (common if tube gets bumped or changed)</p>	<p>Ensure proper tube size, balloon inflated, tube secured</p> <p>Local stoma care: warm water; barrier products (stomadhesive powder, zinc oxide, and/or calmoseptine); 2x2 gauze dressings (reduce friction on skin)</p> <p>If suspect fungal (itchy red bumps), use clotrimazole 1% or topical nystatin until resolved + 2 additional days</p> <p>Acid blocking agents</p> <p>Drainage/Farrell bag</p>

GT Cellulitis



GT Cellulitis

Cause	Sx/Si	Treatment
<p>Local tissue breakdown with bacterial invasion usually from skin flora</p> <p>Can be preceded by irritant dermatitis</p>	<p>Clearly demarcated erythema</p> <p>Warm</p> <p>Indurated</p> <p>Tender to the touch</p>	<p>If non-purulent and not severe: Cephalexin 50mg/kg div Q6-8H x7days</p> <p>If more severe or suspect MRSA: Clindamycin 30mg/kg div Q8H x7 days</p> <p>If ill-appearing, rapidly progressive, or failed outpatient treatment, admit for IV antibiotics</p>