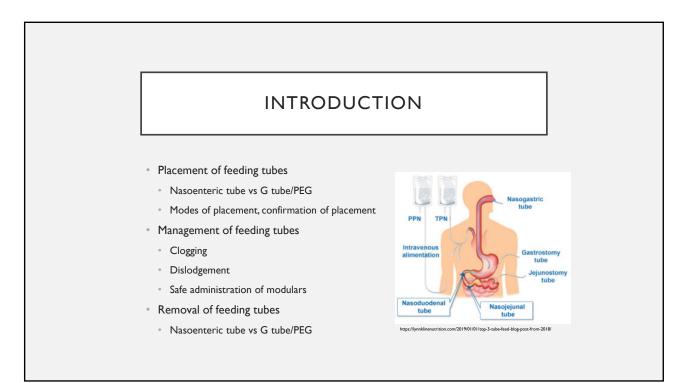
### PLACEMENT, REMOVAL, AND MANAGEMENT OF ENTERAL FEEDING TUBES

By: Susanna Kosac RD, LD, CNSC Nutrition Support Dietitian Amerita Home Infusion



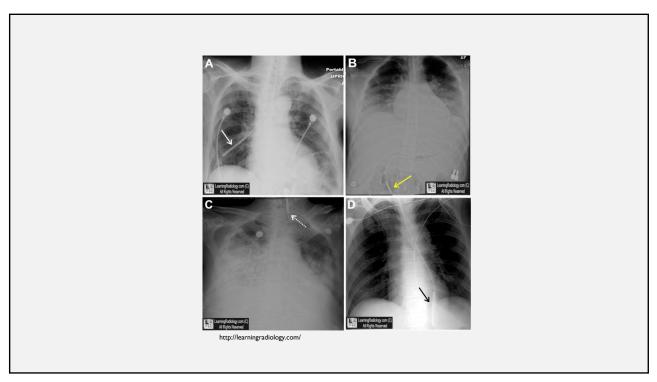
### OBJECTIVES

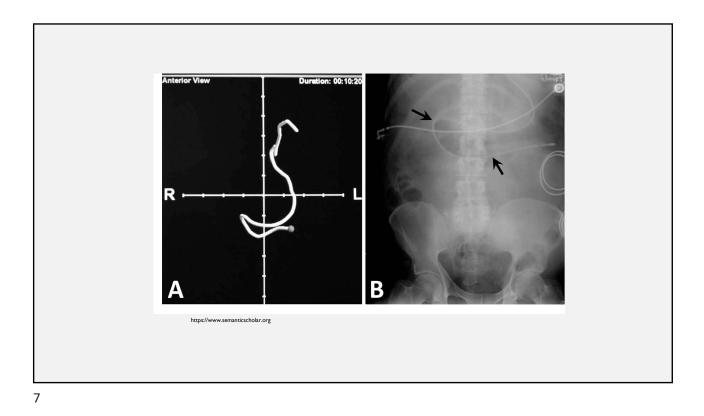
- Assess various types of enteral feeding tubes, similarities, and differences in placement of tubes
- Discuss management of feeding tubes, specifically recommendations for unclogging feeding tubes
- Describe safe administration of tube feeding, modular, etc through a feeding tube
- · Discuss how and when to safely remove a feeding tube

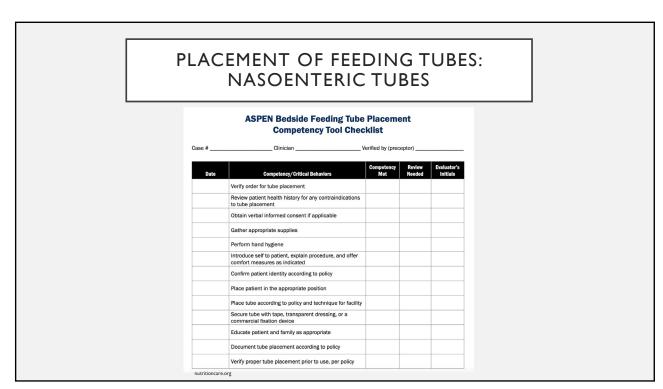


#### PLACEMENT OF FEEDING TUBES: NASOENTERIC TUBES

- Nasogastric/nasojejunal Tubes
  - · Blind placement, direct visualization, indirect visualization in real time
    - Must be verified by chest xray, ultrasound, electromagnetic placement device, camera
  - Placed in IR/fluoroscopic-guided placement
    - Visualization of the tube through pharynx and esophagus
    - Ensures proper placement, avoids adverse events
    - If failed 3 attempts to place at bedside
  - Placed during surgery
    - Can pull post pyloric



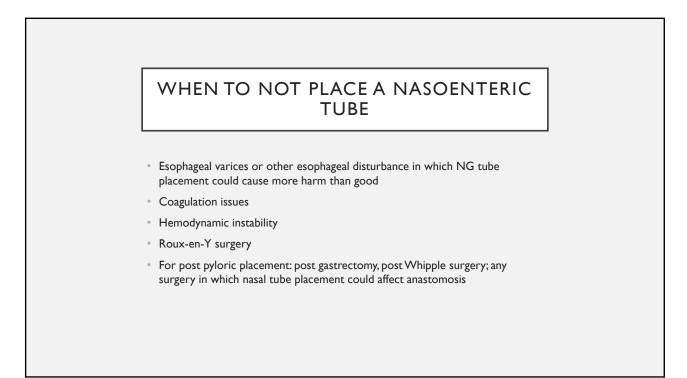




#### PLACEMENT OF FEEDING TUBES: NASOENTERIC TUBES

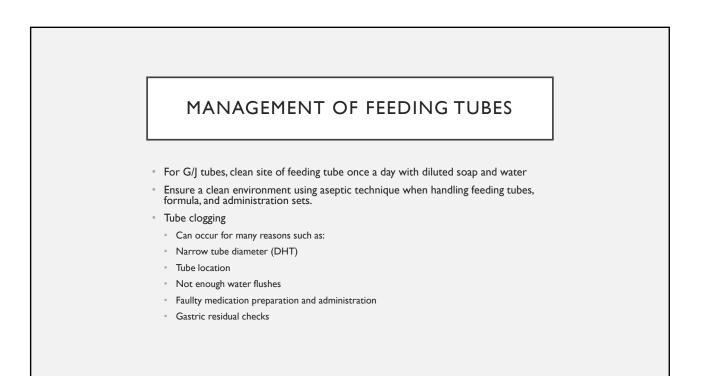
- Securing nasoenteric tube in place
  - Tape
  - Sutures
  - Nasal Bridle





#### PLACEMENT OF FEEDING TUBES: G/J/PEG TUBES

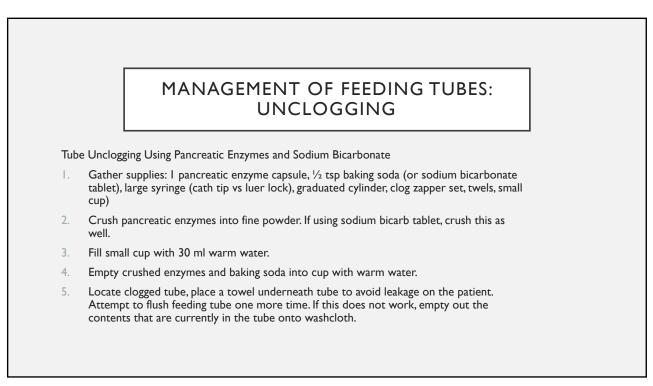
- PEG (percutaneous endoscopic gastrostomy)
  - Placed in endoscopy
    - Best in setting of esophageal obstruction or need for postpyloric placement
    - Endoscope is passed into the mouth, down esophagus, and into stomach.
      - Using endoscope to visualize, feeding tube passes through small incision in skin of abdomen and into the stomach.
        - Balloon holds tube in place.
- G tube
  - Surgically placed (laparoscopic or open)
  - Small incision is made on abdomen and an opening is made in the stomach (stoma)
  - External bumper to hold in place.



#### MANAGEMENT OF FEEDING TUBES: CLOGS

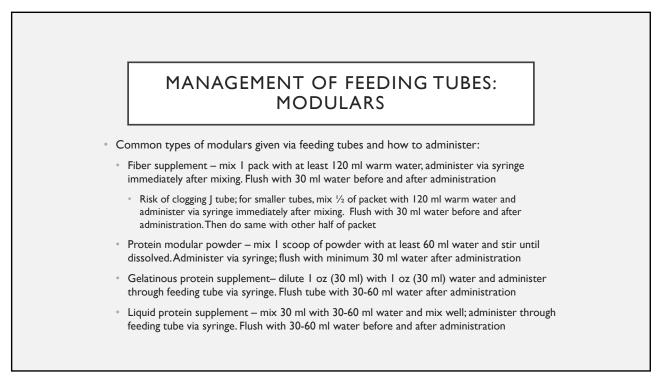
#### To avoid tube clogging

- Flush feeding tube with at least 30 ml water q4h and each time tubefeeding is held/stopped
- · Medications should be administered in liquid form or dissolved in liquid
- Avoid use of blenderized tubefeeding formula through J tube
- Avoid gastric residual checks as stomach acid may cause protein in tubefeeding formulas to precipitate in lumen of feeding tube
- If tube gets clogged
  - Flush with warm water
  - Enzymatic declogging kit



#### MANAGEMENT OF FEEDING TUBES: UNCLOGGING

- 6. Obtain clear stylet from clog buster kit, insert stylet into the G or J port (whichever is clogged). Use stylet to break up clog if hitting resistance. Insert stylet all the way in.
- 7. Using syringe that fits to stylet, fill with 15-20 ml enzyme mixture and infuse through stylet into feeding gube.
- 8. Leave stylet in place with mixture inside for I-2 hours.
- 9. After I-2 hours, try to infuse a little more of enzyme mixture through stylet, then remove stylet.
- 10. Using catheter tip syringe, attempt to flush enzyme mixture through feeding tube. If this does not work, leave enzyme mixture to dwell in feeding tube for 2-3 hours.
- 11. After 2-3 hours, try flushing the tube with warm water. You may need to gently pump the syringe back and forth to break apart any remaining clog. If this does not work, repeat step 12.

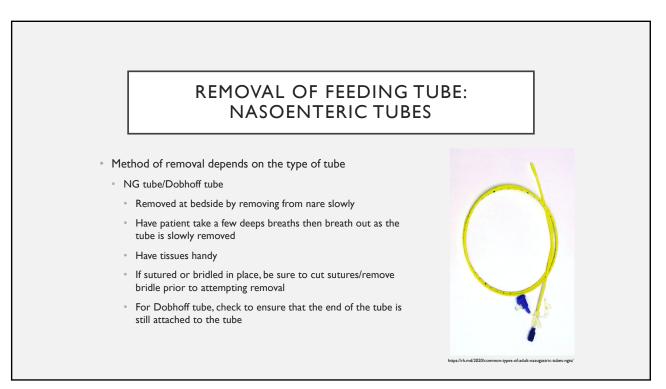


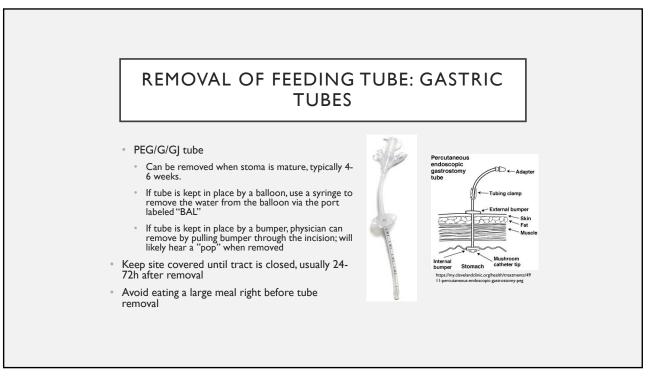
#### MANAGEMENT OF FEEDING TUBES: DISLODGEMENT OF TUBE

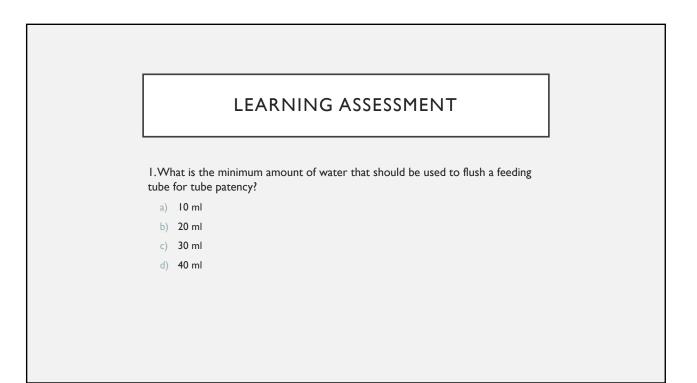
#### Dislodgement

- If tube is shifting, check to see if balloon is deflated
  - Use saline syringe to inject additional fluid into the balloon until resistance is met
- Significant weight loss can cause tube to dislodge
- If the tube is completely removed and tract has matured, a replacement tube (or a foley if replacement tube not available) can be replaced through the site
  - Should be done within 24h
- If the tube is completely removed and tract is not mature, the tube should not be replaced blindly as the gastric and abdominal walls may have separated
- · May cause tube placement into peritoneal cavity



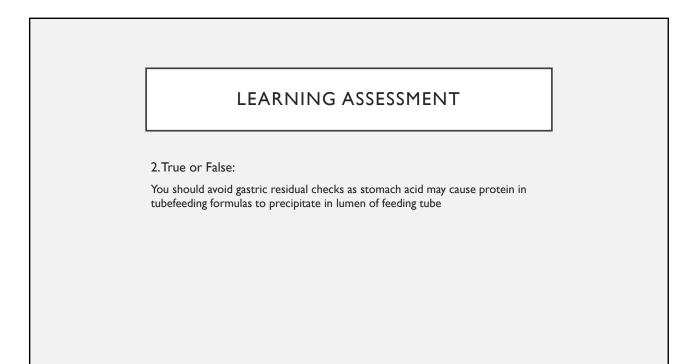






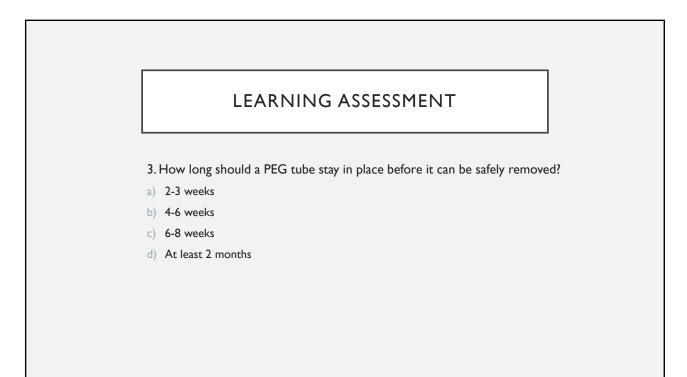
#### LEARNING ASSESSMENT

# C. 30 ml



#### LEARNING ASSESSMENT

# TRUE



#### LEARNING ASSESSMENT

## B. 4-6 weeks





