**Gastrostomy Button – Bolus Feeding with residual check**

**Things to consider:**

* Be sure to take steps to ensure patient privacy when performing procedure
* The most significant risk with tube feedings is aspiration of liquid nutrition into the lungs, be sure the student is positioned properly with head elevated at least 30 degrees
* Encourage the student to assist in the procedure as much as he/she is able to help student learn self-care skills

**Supplies:**

60ml catheter-tip feeding syringe

Adapter with tubing and clamp

Extension set, if applicable

Graduated measuring cup

Prescribed diet at room temperature

Warm tap water, if prescribed

Towel or wash cloth

Non-sterile gloves

Student’s Individualized Health Plan (IHP) and/or healthcare provider’s order

**Procedure:**

1. Review healthcare provider’s order including:
	1. the type of formula
	2. amount
	3. infusion type and rate
	4. frequency and timing of administration
	5. residual volume checks
	6. amount of water used to flush the tube
2. Explain the procedure to the student at his/her level of understanding
3. Wash hands
4. Gather equipment and place on clean surface
5. Position child either sitting or supine with head up at least 30 degrees
	1. The most significant risk with tube feedings is aspiration of liquid nutrition into the lungs, be sure the student is positioned properly with head elevated at least 30 degrees
6. Put a towel or washcloth under student’s button
7. Put on gloves
8. Observe abdomen for signs of malposition or obstruction of gastrostomy button such as abdominal distention
	1. If student has abdominal distention do not administer feeding and contact parent/guardian and healthcare provider
9. If residual check is ordered:
	1. Attach 60 mL catheter tip syringe with plunger to the end of the adaptor
	2. Attach the adaptor to the enteral button
	3. Unclamp the tubing and gently draw back on the plunger to remove any liquid or medication that may be left in the stomach (residuals)
	4. Note the amount withdrawn from tube feeding
	5. Return residuals to stomach passively (gravity)
	6. Clamp tubing and remove syringe
10. Attach 60 mL catheter tip syringe with plunger removed in to the end of the adaptor
11. Measure prescribed amount of enteral formula to be infused into clean graduated measuring cup or catheter tip syringe
12. Pour feeding into syringe until about one-half full
13. Attach feeding tube extension to button
14. Elevate the feeding above the level of the stomach
15. Open G-tube clamp
16. Allow feeding to go in slowly, over prescribed amount of time
	1. The higher the syringe is held, the faster the feeding will flow
	2. Lower syringe if the feeding is going too fast
17. Refill the syringe before it empties to prevent air from entering stomach
18. Monitor student during feeding for any signs of intolerance or complications
19. Stop feeding immediately for gagging, vomiting, coughing, abdominal distension, change in skin color, or difficulty breathing, etc.
20. Make feeding like mealtime: allow child to sit with other children during mealtime
21. Flush the button with warm water when feeding is complete, amount determined by healthcare provider’s order
22. After flushing, lower the syringe below the stomach level to facilitate burping
23. Remove the adaptor and syringe and snap safety plug in place
24. Keep the child in a feeding position for at least 30 minutes after completing feeding
25. Wash syringe and tubing with soap and warm water and puts in home container
	1. Catheter tip syringe and feeding extension tubing can be used repeated times for up to 24 hours
26. Remove gloves
27. Wash hands
28. Document assessment, interventions and outcomes in student’s health record
29. Follow up with parents/guardian and healthcare provider, as needed

**Resources:**

MIC—KEY LOW--PROFIILE GASTROSTOMY FEEDIING TUBE: YOUR GUIDE TO PROPER CARE
<http://www.mic-key.com/media/40679/r8201b_mic-key_care_guide_english.pdf>

MIC-KEY Button Reference card
<http://www.mic-key.com/media/78579/ref_card.pdf>

MIC Transgastric-Jejunal Feeding Tubes <http://www.kchealthcare.com/media/2886713/u5918_brochure.pdf>

MIC Enteral Feeding Tubes and Accessories
<http://www.kchealthcare.com/media/2886710/u4850_mic_enteral_tubes.pdf>

Guidance and support to help you manage your gastrostomy tube (g-tube) Capsule Non-Balloon Mini ONE® Buttons
<http://www.amtinnovation.com/pdf/AMT_NonBalloonPatientCare.pdf>

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