

NURSING CARE PLAN No 27g
Care of an Enteral Feeding Mic-Key Gastrostomy Button
(Day 2 post initial insertion and onwards)
Use careplan in conjunction with careplan 1

Full Name:
 Address: **Addressograph**
 HCR:.....

Care Plan No 27g Problem	Care of an Enteral Feeding Mic-Key Gastrostomy Button <i>(Day 2 post initial insertion and onwards)</i>	Issue Date: December 2017 Review Date: December 2020
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	Goals	
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Nursing Intervention *(in conjunction with OLCHC's Guideline)*

Use in conjunction with OLCHC NPC Enteral Guidelines

NB. Loop all enteral feeding tubes when not in use to prevent tubes catching in equipment if not connected to feeding pumps.

Special care when moving and handling infants/ children

(For example, transferring to a buggy, placement in parents' arms or weighing)

No	NURSING INTERVENTION	Commencement, Date, Signature, Time, Grade	Discontinued, Date, time, Signature, Grade
1a	Individualised Mic-Key Button Details		
	Document the following as per post-operative medical notes for: <ul style="list-style-type: none"> • Mic-key Button Size: ____Fr ____cm • Balloon Volume _____mls Emergency Mic-key Button Pack (container Mic-key Button (same size and one smaller), 10ml syringe, water to refill the balloon, Mic-key Button Feeding Extension Set) by the patient's bedside		
1b	Stoma Site		
	<ul style="list-style-type: none"> • Observe stoma site daily. • No dressing is required however if present ensure it remains dry and intact and change daily • If leakage is evident, record and report to the surgical team/Nutrition Support CNSp as required to consider the application of a dressing and /or protective barrier cream • Observe and record wound condition on the Wound Assessment Sheet (See Section 3 for care of Infected site) 		
1c	Mic-Key Button Feeding Extension Set		
	<ul style="list-style-type: none"> • Ensure the Mic-key button feeding extension set can connect to the Mic-key button • Only access the Mic-Key Button via the Mic-Key Button Feeding Extension Set • NEVER INSERT A SYRINGE DIRECTLY into the Mic-Key Button • Clean the set after each use, allow to dry and store in an airtight container • Change the set weekly 		
1d	Mic-Key Button Position Check		
	If it is an established Mic-key Button, the pH does not need to be check before each Mic-key Button use, However, if there is any concern regarding the safe positioning of the gastrostomy button, check the pH using aspirated stomach contents (pH must be between 0- 5.0 in the presence of acidic gastric secretions) and contact the Surgical Team.		
1e	Medications		
	<ul style="list-style-type: none"> • Medications can be administered via the feeding extension set via gastrostomy button prior to commencing 1st feed. • Flush the Gastrostomy button before, between different medications and after administering medications 		

1f	Enteral Feeding via the Gastrostomy Mic-key Button	Commencement , Date, Signature, Time, Grade	Discontinued, Date, time, Signature, Grade																					
	<ul style="list-style-type: none"> Liaise with the dietician to develop an individualised nutrition plan to commence or re-establish feeds Ensure the enteral feeds are ordered via the Dietitian on admission Administer feeds as per dietician regime. <p>Aim: Feed Type _____ Rate _____ Duration _____</p>																							
1g	Retention Balloon Verification and Change																							
	<ul style="list-style-type: none"> Verify the fill volume of the retention Balloon as per post-operative notes Change the water in the balloon weekly Fill a 10ml luer slip syringe with recommended volume of sterile water (as per Mic-key Button Table below) <table border="1" style="width: 100%; margin: 10px 0; border-collapse: collapse;"> <thead> <tr style="background-color: #fff2cc;"> <th style="text-align: center;">Size</th> <th style="text-align: center;">Recommended Fill Volume</th> <th style="text-align: center;">Max fill Volume</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">12fr</td><td style="text-align: center;">3mls</td><td style="text-align: center;">5mls</td></tr> <tr><td style="text-align: center;">14fr</td><td style="text-align: center;">5mls</td><td style="text-align: center;">10mls</td></tr> <tr><td style="text-align: center;">16fr</td><td style="text-align: center;">5mls</td><td style="text-align: center;">10mls</td></tr> <tr><td style="text-align: center;">18fr</td><td style="text-align: center;">5mls</td><td style="text-align: center;">10mls</td></tr> <tr><td style="text-align: center;">20fr</td><td style="text-align: center;">5mls</td><td style="text-align: center;">10mls</td></tr> <tr><td style="text-align: center;">24fr</td><td style="text-align: center;">5mls</td><td style="text-align: center;">10mls</td></tr> </tbody> </table> <p>(If an alternative Mic-Button is inserted, fill volumes may be different, contact Nutrition Support CNSp)</p> <ul style="list-style-type: none"> Attach an empty 10ml syringe to balloon port and withdraw all water from inside the balloon. Hold button in place Attach syringe containing appropriate volume of water to balloon port and insert water into balloon. Do not insert air into balloon If the balloon will not deflate: <ul style="list-style-type: none"> Clean balloon port with a cotton bud and water and try to deflate the balloon again. If the balloon does not deflate, contact the Nutritional Support CNSp / Surgical Team Check the position of the Gastrostomy Mic-key Button following volume check, obtain a gastric aspirate to check pH <p>Never fill the balloon with more that 10mls (5mls of 12Fr sizes) of sterile or distilled water</p>	Size	Recommended Fill Volume	Max fill Volume	12fr	3mls	5mls	14fr	5mls	10mls	16fr	5mls	10mls	18fr	5mls	10mls	20fr	5mls	10mls	24fr	5mls	10mls		
Size	Recommended Fill Volume	Max fill Volume																						
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2a	If Malpositioning of the Gastrostomy Mic-key Button is suspected		
	<ul style="list-style-type: none"> • Check the pH as above • Observe for signs or symptoms of the Gastrostomy Mic-key Button malpositioning: discomfort, pain, leakage at the stoma site, no stomach contents on aspiration, pH greater than 5 • Record in the nursing notes and report to the Surgical Team/Nutrition Support CNSp 		
2b	If the Gastrostomy Stoma Site is Infected		
	<ul style="list-style-type: none"> • Observe site for signs of redness/swelling/oozing • Perform daily dressings or as directed by Surgical Team and Nutrition Support CNSp • Apply topical creams as prescribed • Administer pain relief as required and monitor effectiveness of same • Document condition of site on assessment sheet • Obtain microbiological Swab for Culture and Sensitivity Date Performed:..... Administer antibiotics as prescribed: Additional information:		
2c	If the Gastrostomy Mic-key Button Dislodges		
	<ul style="list-style-type: none"> • Observe the child • Observe the gastrostomy site for bleeding and / or leaking • Apply direct pressure to the site with gauze • If parent/guardian or ward nurse is competent at inserting Mic-key Button, this can be performed immediately • Check the pH to verify the Mic-key Buttons position, if concerned regarding its safe position contact the Nutrition Support CNSp and Surgical Team to review the Mic-key Button as Contrast Studies may be required • Time is vital as the tract may close quickly 		
2d	If the Gastrostomy Mic-key Button Blocks		
	<ul style="list-style-type: none"> • Administer cool boiled water (cold or warm) to unblock the Mic-key Button. • Use push/pull action with a 60mls syringe to try and unblock the Mic-key Button • Smaller gauge syringes may be used to try and unblock the Mic-key Button (reasonable caution needs to be taken when applying pressure with a smaller gauge syringe to prevent any tube damage) • If unsuccessful, the Mic-key Button may be changed 		

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3	Discharge Support (If applicable)		
<ul style="list-style-type: none"> • Provide parents/guardians with Gastrostomy Button Information: - <ul style="list-style-type: none"> ○ Verbal:- Date: _____ Yes <input type="checkbox"/> ○ Written:- Parental Advice Leaflet Given Date: _____ Yes <input type="checkbox"/> ○ Ward Nurse demonstrates on the spare Mic-key button to the parent/guardian: - <ul style="list-style-type: none"> ○ How to check the Mic-key Buttons balloon water volume ○ How to rotate the Mic-key Button 360° daily ○ Clean the Mic-key Button site daily ○ Nutritional Support CNSp (Blue Referral Form) Completed Yes <input type="checkbox"/> ○ Ongoing Enteral Education and Support Services Referral Completed for Technopath Homecare (homecare@technopath.com) via email <input type="checkbox"/> to: <ul style="list-style-type: none"> ○ Change the Mic-key Button in 3/12 ○ Change the water in the balloon after 7-14 days • Spare Equipment <ul style="list-style-type: none"> ○ Spare Mic-key Button, extension feeding set and necessary supplies provided by Nutrition Support CNSp for first 7 days • Prescription for all supplies is written <input type="checkbox"/> and forwarded to PHN <input type="checkbox"/> via <i>post/fax/email</i> prior to discharge (Prescription Template available in OLCCH 2017) • PHN Discharge Letter completed by ward staff <input type="checkbox"/> and forwarded to PHN <input type="checkbox"/> via <i>post/fax/email</i> prior to discharge 			

Created by Renagh Thomlinson - Nursing Department
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