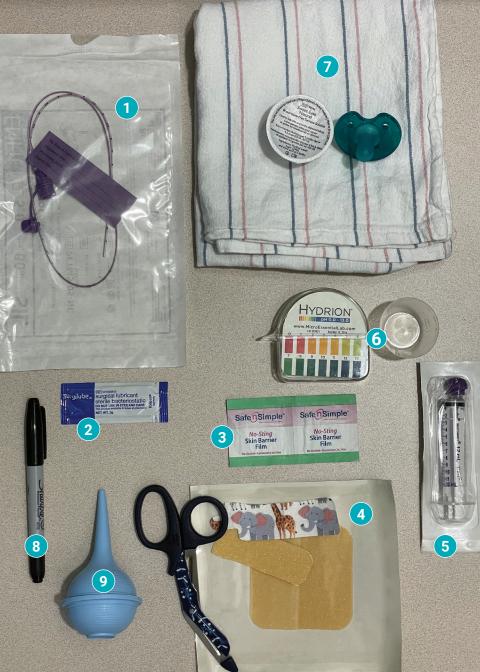


**Passport Home** 

A family guide to caring for your child's nasogastric tube (NGT) at home



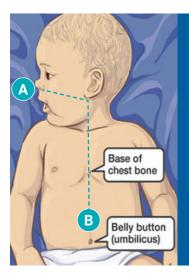
### Equipment needed

- 1 Properly sized NGT (identified as size 5F, 6.5F, or 8F). Your provider will let you know the right NGT size for your child.
- Water soluble lubricant or plain water.
- 3 No sting barrier film to help protect skin.
- DuoDerm and pre-measured tape cut into strips for NGT securement.
- Syringe to aspirate stomach contents once NGT is inserted and secured.
- 6 Small medicine cup and pH paper to test stomach content for pH (less than 5) to ensure correct placement.
- Blanket for swaddling and pacifier or small amount of Pedialyte to facilitate swallowing during placement.
- 8 Marker
- 9 Nasal bulb



Scan the QR code to watch a step-by-step tutorial on how to care for your child's nasogastric tube (NGT) at home.

## How to measure for depth



#### Measurements on an infant

- Hold the tip of the tube at the end of the nose and measure to the earlobe (A)
- Hold the tube at the earlobe, measure to the mid umbilicus (halfway between the breast bone and belly button) (B)

## An alternative way to estimate depth can be done by using the formula below:

- · Estimated NGT depth=3x weight in kg + 13 cm
- Example: Infant weighs 4 kg
  25 cm deep= 3 x 4 kg + 13 cm

If the NGT does not have pre-measured marking, use a permanent marker to mark the tube.

#### How to place the NGT

- Swaddle your infant with their arms down by their side, or have another caregiver assist with holding your baby still for the insertion of the NGT.
- 2. If possible, have your baby sit in a car seat or baby bouncer.
- 3. Check each nostril and clean if needed.
- 4. Wash your hands.
- 5. Inspect the tube to make sure it's not damaged.
- For easier placement, offer your infant a pacifier to suck on or sips of Pedialyte while the NGT is placed to encourage tube advancement.
- 7. Dip the end of the tube in water or water-soluble lubricant.
- 8. Insert the tip of the tube into the nostril, guiding it toward the back of your baby's throat until the pre-measured mark sits right at the opening of the nostril, clearly visible.



> **Do not force the tube.** If you hit resistance or cannot advance it to the pre-measured mark, remove the NGT and try again with a new NGT.

### Securing the NGT

Once the tube is inserted to the correct depth, momentarily secure the NGT:



Start by placing your finger on the marked depth at the nostril and apply the no sting barrier film across the cheek (*image 1*).





Apply a pre-cut piece of DuoDerm (image 2) across the cheek and drape the NGT over the DuoDerm (image 3).



Apply a second pre-cut piece of DuoDerm directly on top of the NGT and first DuoDerm piece (image 4).



Apply a small strip of Tegaderm tape over the DuoDerm for extra securement, ensuring that the marked depth is clearly visible (*image 5*).



> If you have trouble putting the NGT in and your child is due for a feeding, call your doctor's office for guidance.

#### Remove the NGT if:

- · Your baby starts to cough or cannot catch their breath.
- Your baby's skin starts to change color (pale or bluish).
- · The NGT is coming out of your baby's mouth.

### How to check placement

- 1. Confirm that the correct depth marking is visible.
- 2. Have your pH color reference guide and pH test paper ready.
- Attach a syringe to the end of the NGT and pull back on the plunger to remove a small amount of fluid from your baby's stomach.
- **4.** Empty the fluid into a small medicine cup and place the pH test paper into the cup.
- **5.** Remove the pH test paper and match the color changes right away to the color guide.
  - · Normal pH is less than 5.
  - · A pH greater than 5 may mean the NGT is not in the right place.



> When in doubt, change it out!

#### Additional instructions

# If you are unable to obtain stomach fluid, try any of the following methods listed below until placement is confirmed:

- Use a larger sized syringe (30–60 ml).
- · Change your child's position to their right side or on their back.
- If you are still having trouble after trying the above steps, remove any fluid that may be in the tube, remove the NGT, and replace the NGT with a new one.

#### When to check your child's NGT placement:

- · Before each tube feeding or medication administration.
- · When a new NGT is placed.
- When you are concerned that the NGT may have moved.
- If your child is choking, coughing, or having difficulty breathing.

#### When to change your child's NGT:

- Every two weeks or as directed by your doctor (remember to switch nares).
- The NGT will need to be re-measured/calculated each time it is replaced since your child is growing and the NGT may need to be placed a little deeper.
- If your child's nostril or skin is irritated (red, rash, skin tears, blisters).

## Changing/removing the NGT

- 1. Wash your hands.
- Swaddle your child and position them on their back with their head elevated or in a sitting position.
- 3. Ensure that the NGT cap is closed.
- **4.** Gently remove tape from NGT and cheek.
- 5. Once the tape is removed, smoothly, steadily, and gently remove the NGT from your child's nostril.
  - > Before inserting a new NGT, be sure to re-measure for depth.
  - > Always remove old NGT before inserting a new one.

#### References

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