



## Nasogastric Tube Pump Feeds

A Nasogastric Tube [NGT] is a thin feeding tube inserted through the nose and down the food pipe (oesophagus), into the stomach. Your baby may need a NGT for the delivery of milk or medications.

Your baby will have a feeding plan developed by their care team.

### Giving a Pump Feed through the NGT

- Wash your hands before and after handling milk, and the NGT.
- Gather and prepare equipment - milk in a bottle (20 ml extra if this is a new feeding line), feeding pump, feeding line set, pH testing equipment.
- **ALWAYS** check the NGT position before commencing feeding via the NGT.
- Put the plastic hanging net onto the bottle neck, then screw the feeding line set onto the bottle like a lid. Hang up your bottle.
- Open the grey feeding pump cover by flipping it upwards, and stretch the elastic part of the feeding line over and around the circle, so you can pull the hard plastic part of the feeding line and click it into place. Then close the pump.
- Squeeze the chamber below the milk bottle so it fills about half way.
- Turn on the pump by holding down the '**ON/OFF**' button until the pump beeps.
- When the screen display stops changing, hold down the '**FILL SET**' button until the pump beeps 3 times. This 'primes' the feeding line.

The feeding line will fill with milk, but will stop before the end. Hold down the '**FILL SET**' button again until the pump beeps 3 times. The milk will fill the rest of the line.

You must press '**FILL SET**' again to stop the milk when it gets to the end of the line.

- Take the clear cap off the end of the feeding line using a twist and snap motion. Twist open the purple NGT cap. Attach the end of the feeding line to the end of the NGT using a clockwise twisting motion until finger tight.
- **For bolus feeds (1-4 hourly):** Program your baby's feed amount into the pump by pressing '**DOSE=VOL**' and use the '+' and '-' buttons to change the numbers.





**For continuous feeds:** Program the volume of the entire bottle of milk (taking away 20 ml if this is the first feed on a new line) into the pump by pressing '**DOSE=VOL**' and use the '+' and '-' buttons to change the numbers. You can also press '-' until the screen says 'CONTINUOUS'. If you use this, you will need to make sure to put up a new bottle before the hung bottle runs out. Please keep in mind the kind of milk you are using and how long it should hang for. The amount of milk in the bottle at the start of the feed should only be enough for how many hours you are hanging it for, or you may need to throw out leftover milk.

- Program how fast the feed should go through by pressing '**ml/hr**' and using the '+' and '-' buttons.

- **ml/hr** is worked out by dividing the amount of milk being fed by how many minutes you want the feed to run for, then multiplying this by 60 minutes

**(volume of feed / time for feed to run) X 60 minutes**

eg. 50 ml of milk to run over 45 mins

$(50 \text{ ml} / 45 \text{ min}) \times 60 \text{ min}$

= 66.666666 - round this up

= 67 ml/hr

- Press '**START/STOP**' and the feed will run.
- When the feed has finished, hold down the '**ON/OFF**' button to turn off the pump. Disconnect the line from the NGT by using a counter-clockwise twisting motion. Then twist close the NGT cap using a clockwise twisting motion.

**If your baby begins coughing, gagging, or vomiting while their milk is going down, or if their belly becomes large and hard, stop the feed and talk with your team.**

