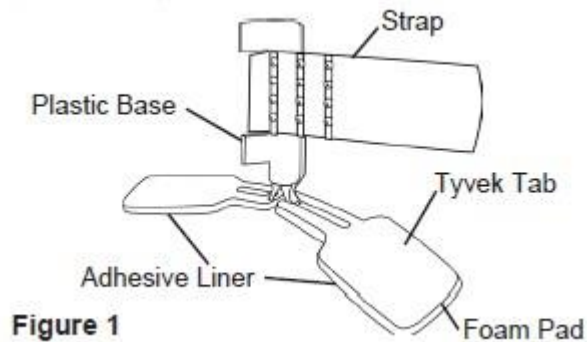


NEO-fit™ Neonatal Endotracheal Tube Holder

DEVICE DESCRIPTION

Includes one plastic tube grip with adjustable hook and loop strap and adhesive foam foot pads, two foam “lollipop” securing tapes. Adjustable hook and loop strap allows rapid release and adjustment of ET tube. This product is non-sterile.



Instructions for Use

1. Trial fit the NEO-fit™ on patient prior to removing the adhesive liner, (adhesive pad should not overlap the mouth or eyes).

In all infants ensure skin is clean and dry before application, then coat skin with cavilon. For infants < 28 weeks cut duoderm rectangles that are big enough to take foam pads and apply these carefully first. Neo-Prep nasal barrier protectors can also be used. Warm Neo-fit in gloved hands briefly keeping it clean.

2. Remove the adhesive liners from the bottom of the adhesive pads.

See Figure 2.

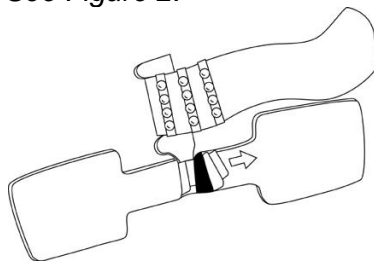


Figure 2

Caution: Do not peel the adhesive pad away from the plastic base during removal of the adhesive liner or the adhesive may be adversely affected. Use a new NEO-fit if this occurs.

3. Affix the adhesive pads to the patient adjacent to the ET tube. See *Figure 3*. Device may need to be turned upside down in smaller babies.

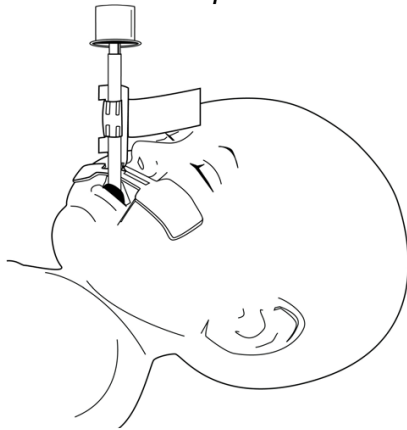


Figure 3

4. Wrap the tube holder strap snugly around the ET tube by pulling from the end of the strap. Pushing the strap around the tube **may not secure the tube adequately. Do not wrap too tightly as this may interfere with the passage of a suction catheter through the ET tube.**

See *Figure 4*.

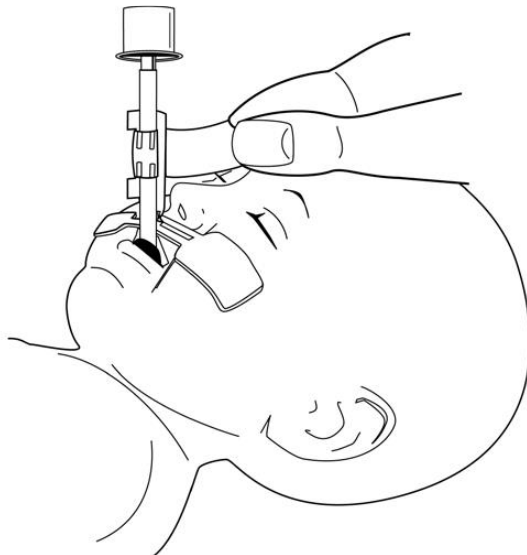


Figure 4

5. Secure the strap using the hook and loop material of the strap. If needed, secure using “lollipop” foam adhesive tape, included, or other tape as appropriate. See *Figure 5*. Ensure you can pass a suction catheter

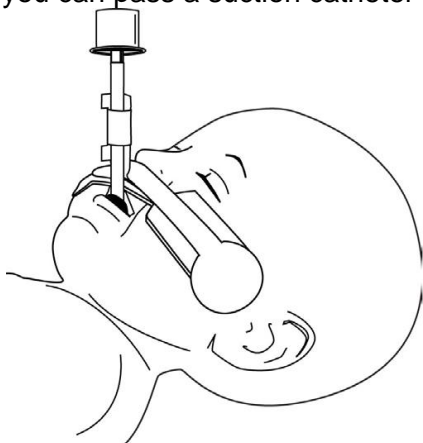


Figure 5

Using Neo-fit with size 2 ET tubes

- Neo-fit ET holders can be used with size 2 ET tubes by first taping round the ET tube to make it thicker where the neo-fit grips. Use zinc oxide tape.

Troubleshooting

- Avoid reflexively tightening the gripper
- Check gripper placement
- Check for Neo-fit device breakdown

Neofit changing procedure

- Neo-fit devices may require changing every 7-14 days. Aim to carry this out 9am-9pm if possible.
- If concerns the ET tube is becoming loose aim to change the neo-fit asap
 - **This is a two person technique**
 - Have intubation equipment ready and ensure safety checks have occurred
 - Ideally this should be done during the day (9am-9pm) when consultant presence unless very loose.
- If unsure escalate to team leader or doctors/ANNP's.
- **In the event of unplanned extubation, please datix and fill in the unplanned extubation debrief form so we can learn how to reduce Unplanned extubation.**

Generic safety ET Holders

- 2 people to handle ventilated baby (Changing Neo-Fit device, weighing, x-ray, transferring baby between incubators, handling for kangaroo care (consider 3))
- Prompt action if ET fixation loose
- Consider comfort care, swaddling and sedation for active babies
- Regular check of ETT length and check for movement

Standardised Positioning of intubated infant (all nursing staff should have ongoing education regarding correct positioning of intubated infant)

- Tube coming in from head of bed
- Support patient (Nest and or rolls) to prevent sliding down
- Head in midline
- Use of mittens for infants >34 weeks ?

Nursing Care Observations

Once per shift-Safety check-ET equipment check- ET tube holder specific checks below to be carried out once a shift

Hourly Resp Support- ET check - Visual inspection of ET tube carried out hourly and documented on Badger-in respiratory support ET check-documents tube size and distance to lips. If any concerns regarding anything below escalate.

Safety check-ET equipment check (ET tube holder checks)-is confirming any concerns regarding:

Position at the lips

Is there significant movement of the ET tube ?

Is there any breakdown/lifting of the neofit device ?

Are there any issues with suctioning ?

Is gripper placement correct ?

Does the infant require more sedation ?

Has the infant grown ?

Standardised position guidance followed ?

If no concerns check the box or if any concerns escalate to TL and consider changing Neo-Fit.

QR Video Link:



Reference: https://www.coopersurgical.com/product-resources/e9a8cd96-65c6-4f7f-a80e-f62d3ebb94b6_NEO-fit-Instructions-for-Use.pdf