

CPAP CANNULAIDE® SECUREMENT

FREQUENTLY ASKED QUESTIONS

How many sizes are available?

There are five sizes available to accommodate infants from under 700 g to 3000 g.

How do you determine what size device to use?

Select the CPAP Cannulaide® size according to infant's body weight.

How small of a neonate can you use the CPAP Cannulaide securement device on?

The CPAP Cannulaide device can be used on neonates less than 700 g.

What should I use to clean the face?

Recommend using a soft cloth with sterile water or your facility's approved solutions for use on the infant's skin.

How frequently should I change the CPAP Cannulaide Device?

The CPAP Cannulaide device should be changed every 24 hours or sooner if needed, e.g. if the adhesive strips tarts to lift from infant's skin.

How often should I check the infant's skin integrity under the CPAP Cannulaide device?

The placement of the CPAP Cannulaide device and the infant's skin integrity should be checked at least every two hours.

Do I need to remove the CPAP Cannulaide device when switching to a nasal mask?

Yes, the CPAP Cannulaide device cannot be used with a nasal mask.

For the T-Bar style interface, when should I apply the loop strips to the CPAP cannula?

It is user's preference. Some find it more efficient to apply the loop strip prior to skin preparation.

Can the CPAP Cannulaide only be used with bubble CPAP systems?

No, the CPAP Cannulaide device can be used with any nasal prong interface approved for delivering noninvasive ventilation.

Can I cut the CPAP Cannulaide device to enlarge the holes?

It is not recommended to cut or alter the CPAP Cannulaide holes. Try using a larger size CPAP Cannulaide device or smaller nasal prongs.

What causes the blanching of the outer nares?

The blanching of the nares is most commonly caused because the nasal prongs are too large. Try using a smaller size prong.

I need to remove the CPAP Cannulaide device, but it has a strong adhesion to the skin. How can I safely remove the device?

Take a warm moist cloth and apply to the edge of CPAP Cannulaide mustache strip for a few seconds. Use a moist cloth or mineral oil on a cloth; gently separate the mustache strip from the infant. Use your fingers to push skin down and away from adhesive.

Can I leave the CPAP Cannulaide in place during the weaning process? For example, when I switch from CPAP prongs to nasal cannula or room air.

Always remove the CPAP Cannulaide device if the nasal prongs are not in use. This reduces the potential risk of the CPAP Cannulaide device slipping down the nose and covering the nares. Never use the CPAP Cannulaide with high flow and low flow nasal cannulas.

What material is the CPAP Cannulaide made with?

The CPAP Cannulaide device is composed of a die-cut hydrocolloid-coated polyurethane film with an integral hook strip (i.e., Velcro®) on top.

What is the best way to inspect the nares?

Remove the prongs from the nares and gently suction to remove any secretions. Use a pen light to inspect inside the naris for mucosal damage.

When using CPAP Cannulaide device in an isolette, the CPAP Cannulaide device needs to be changed more frequently. Why is this?

The isolette often provides a warmer and higher humidity environment for the infant. The CPAP Cannulaide device has a hydrocolloid base that absorbs moisture. This lessens the adhesion properties of the hydrocolloid, requiring more frequent changes.

Can I use the CPAP Cannulaide® Device with a High Flow Nasal Cannula?

No, never use the CPAP Cannulaide device with a nasal cannula. There is the potential risk that the CPAP Cannulaide device could create a seal around the prongs and cause an increase in distending pressure in the lungs. HFNC therapy requires an open space between the outer diameter of the prong and the nare.

Skin breakdown is noted on an infant receiving nCPAP therapy. Can I place the CPAP Cannulaide Device over the breakdown to protect it?

Do not use the CPAP Cannulaide device if skin irritation or breakdown is noted. Follow your facility's protocol for nasal CPAP therapy and management of hospital acquired pressure ulcers (HAPU).

I am having trouble with the loop strip not sticking to the CPAP cannula. What should I do?

The adhesive backing on the loop strips may not adhere as strongly to products made of silicone. Use an alcohol pad to wipe down the cannula barrel where the loop strip will be placed. If that does not work, take a small piece of the Hy-Tape® (pink tape) and wrap around cannula barrel before wrapping the loop strip.

During the skin inspection, it was noted that an infection had developed under the CPAP Cannulaide. What should I do?

Discontinue use of the CPAP Cannulaide and initiate appropriate adjunctive therapy.

If using the Infant Flow® nasal CPAP system, can I attach the generator straps to the hook strip on the CPAP Cannulaide instead of the bonnet?

The CPAP Cannulaide device is not intended to replace the primary fixation device (bonnet or headgear). Follow manufacturer’s instructions for application of the Infant Flow nasal CPAP interface and fixation device.

How often should I suction the infant’s nares?

Due to the heated humidified gas, excessive moisture may collect around and in the infant nares. Suction as needed. Follow your facility’s policy for management of infants on nCPAP therapy.

Can I use the CPAP Cannulaide with the RAM cannula?

The CPAP Cannulaide device is contraindicated for use with high flow nasal cannulas because there is no exhalation pathway or pressure relief. The CPAP Cannulaide is for nCPAP therapy only.

Our CPAP system uses nasal prongs that fit into the generator interface. Is it okay to insert the prongs into the CPAP Cannulaide device, prior to placing on the infant?

If using nasal prongs that are separate from the interface, you can either apply the CPAP Cannulaide device to the infant first and then insert the prongs, or insert the prongs into the CPAP Cannulaide device prior to placing on the infant. Both ways are correct, it becomes a personal preference for ease of application.

What nasal CPAP devices can the CPAP Cannulaide device be used with?

You can use the CPAP Cannulaide device with most nasal prong CPAP interfaces. Common bubble CPAP brands include Hudson RCI® Infant Nasal Prong CPAP cannula; Babi-Plus™ nCPAP Nasal Kit, INCA® Infant Nasal CPAP Assembly, and F&P FlexiTrunk™ Infant Interface. Variable flow and ventilator nCPAP system include Infant Flow® LP System and BabyFlow® Nasal CPAP.

Can the hook material on the mustache scratch the infant’s skin?

The hook material on the mustache portion of the CPAP Cannulaide is very low profile to reduce the risk of breaking the skin. It is unlikely to scratch or break the skin. However, the neonatal skin is so fragile, that a slight skin irritation potentially could occur if the infant’s hand rubs against the hook strip.

What is the purpose of warming the CPAP Cannulaide prior to application?

Warming the CPAP Cannulaide increases the initial adhesion force of the hydrocolloid. To warm the CPAP Cannulaide, hold it under the open warmer lamps or hold it in your hands for a few seconds, or place it in an isolette.

Can I use mineral oil to remove the CPAP Cannulaide from the infant’s skin?

Mineral oil will help to loosen the adhesive bond between the CPAP Cannulaide and the infant’s skin making for a gentler removal. If applying another CPAP Cannulaide, the skin will need to be cleaned thoroughly, as mineral oil will interfere with the adhesion of the CPAP Cannulaide to skin.

When using the CPAP Cannulaide device, the prongs became dislodged but no disconnect alarm was activated. What would have caused the alarms not to activate?

Some CPAP delivery devices, e.g. Infant Flow® SIPAP driver, alarm systems only monitor if pressure is being delivered. The software does not detect respirations. Therefore, if the prongs become dislodged from the nares and form a seal outside the nose, the delivery device still registers a pressure and will not alarm.

Can the CPAP Cannulaide prevent pressure ulcers?

The CPAP Cannulaide device provides a skin barrier between the CPAP interface and infant’s fragile skin. This helps to prevent skin irritation and abrasions caused by the interface rubbing against the skin. Pressure ulcers are most frequently caused by overtightening of the fixation straps or pushing the prongs against the septum. The CPAP Cannulaide Securement device does not prevent pressure ulcers under this type of application.

Can the CPAP Cannulaide® Securement device decrease the “friction rub”?

The CPAP Cannulaide device may potentially help protect against friction rubs when used with the T-bar style of CPAP interface. The barrel portion of the CPAP cannula is secured to the loop and hook strip. This helps to reduce the back-and-forth and up-and-down movement of the cannula.

Is it normal for the CPAP Cannulaide to turn white around the nasal opening?

Yes. Hydrocolloid will absorb moisture and form a gel-like substance, when this happens the hydrocolloid turns white. You do not need to change out the device unless the adhesive performance is affected.

Does the barrel wrap or candy can wrap work best with micro-preemies?

With this patient population, there may be limited surface to attach the CPAP cannula. The barrel wrap would require a smaller space when attaching to the mustache strip.

Does the CPAP Cannulaide securement device have latex?

The CPAP Cannulaide device is not made with natural rubber latex.

When should I remove the CPAP Cannulaide device?

Remove the CPAP Cannulaide device when:

- A nasal mask is being used.
- If CPAP therapy is no longer indicated.
- If switching to high or low flow oxygen nasal cannula.
- If skin irritation, necrosis or infection develops.
- If device interferes with delivery of therapy.

When using the over-the-ear style of CPAP interface, is it okay to attach the NG tube to the mustache hook strip?

The CPAP Cannulaide device is primarily designed to aid in the securement and positioning of the CPAP interface. It is not recommended to use the hook strip for securement of other devices, such as, NG-tubes.

Which is a better way to wrap the loop strip, using the candy cane or barrel method?

Both methods are correct. The candy cane wrap provides more hook & loop surface contact to hold the CPAP cannula in place. The barrel method lifts the CPAP cannula off the lip and helps to center the prongs in the nares. Use the method that best fits your application.

Can I cut the CPAP Cannulaide® device to shorten the mustache strip?

First, try using a smaller size. Before removing from the backing, the Cannulaide may be trimmed with a scissor. Never cut or alter the CPAP Cannulaide while on the infant.

The nasal flaps are too big, what should I do?

First, try using a smaller size CPAP Cannulaide device. If that does not work, the nasal flaps may be trimmed with a scissor. Never trim or alter the nasal flaps with the CPAP Cannulaide on a patient.

When using the CPAP Cannulaide, how should I select what size CPAP prong to use?

Prong size selection is very important. Follow your procedure for selecting the proper nasal prong size, then reduce it one size for use with the Cannulaide.

What are the benefits of using a CPAP Cannulaide®?

In nasal CPAP therapy, the seal is created by the outer diameter of the prong pressing against the nasal mucosa. If the prongs are too large, pressure is applied to the wall and causes “blanching”. After a while, the nares dilate requiring the use of a larger prong to create a seal. The CPAP Cannulaide requires less force to form a seal around the nasal prongs, enabling the use a smaller sized prongs. The CPAP Cannulaide positions the prongs in the center of nares and helps to keep the CPAP cannula from pressing up against the nasal septum. When using the T-bar style of CPAP interface, the hook strip helps to reduce the back and forth and up and down motion, reducing friction rubs and keeps the cannula in place. All of these contribute to less interruption in therapy and improves work flow.

I am having trouble inserting the prongs into the CPAP Cannulaide device. Do you have any suggestions that I can try?

Here are some tips we have received from clinicians who have used the CPAP Cannulaide:

1. Apply a thin layer of water soluble lubrication on the prongs.
2. Before applying the Cannulaide, gently stretch the holes to open the small slits and expand the hole.
3. Insert the prongs into the CPAP Cannulaide holes prior to placing on infant.
4. Take a small cotton swab (e.g. Q-Tip), and insert into Cannulaide holes. You only need to insert the tip of the cotton swab enough to push back the slits. When you remove the Cannulaide, the hole will retain the larger diameter.