Endotracheal Tube Securement Device

USAGE **GUIDE**

INDICATIONS FOR USE

a broad patient population, including adults in acute and subacute clinical settings such as ICUs, EDs, operating rooms, burn units, transport INTENDED PERFORMANCE

The HORSESHOE™ Endotracheal (ET) Tube Securement Device is indicated for securing oral single-lumen endotracheal tubes in patients

The device is for single-lumen ET tubes ranging in size from 6.5 to 10.0mm.

- **DEVICE INTRODUCTION**

The device is intended for single-patient use only.

Confirm that the oral cavity is of sufficient size to accommodate the device and identify that there is at least one - upper or lower - back molar on both sides of the patient's mouth prior to device application. See warnings and precautions for additional patient selection and

The following provides direction for device pre-application, application, and removal, as well as repositioning of the ET tube when using the device. **DEVICE PRE-APPLICATION** Always intubate the patient prior to device application.

Stabilize the ET tube with one hand during device application.

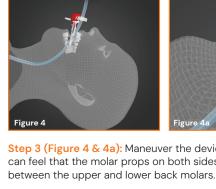
pre-application requirements.

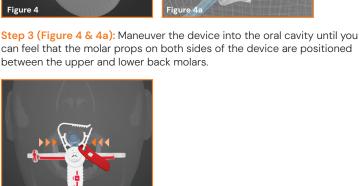
DEVICE APPLICATION

toward the top of the patient's head.

Step 1 (Figures 1, 2, & 3): Gently compress the sides of the device while inserting it into the patient's mouth, passing it between the patient's tongue and the ET Tube. Make sure the red arrow is visible and pointing

Step 2: Keep the ET tube on top of the gliding track with the red line.





Step 4 (Figure 5): Once the device is placed on the molars, slip the ET tube into the clamp and squeeze the sides of the clamp until it fits snugly around the ET tube. Check that the pilot balloon line and any feeding tubes or temp probes are not caught in the clamp lumen before securing

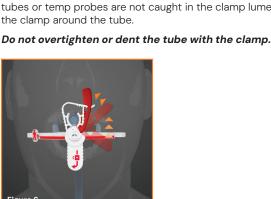
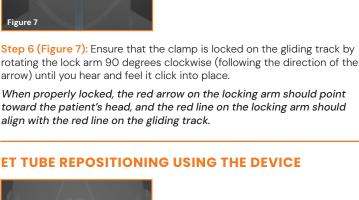


Figure 6 Step 5 (Figure 6): Once the clamp is locked, pull the free end of the red tab and place the first open slot over the end of the clamp arm.



ET TUBE REPOSITIONING USING THE DEVICE

Step 1 (Figure 8): To reposition the ET tube, ensure that the device is in the "unlocked" position (lever arm perpendicular to the track) or the



clamp will not slide along the track.

Figure 9 Step 2 (Figures 9 & 10): Slide the ET tube clamp along the gliding track

to the desired position, then rotate the lock arm 90 degrees clockwise

The red arrow on the locking arm should be pointing toward the patient's head, and the red line on the locking arm should align with

from the accessory clip and unfasten the back-up strap, if applied.

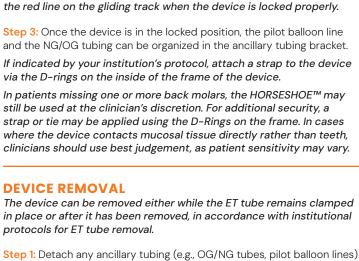
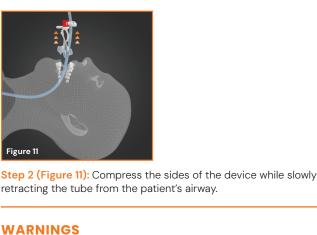


Figure 11

WARNINGS

reactions may occur.

to lock it in place.



7. Carefully monitor the locking mechanism after repositioning. Failure to fully engage the locking arm may result in tube slippage or extubation. 8. Exercise caution when using the device in patients with: · Severe facial trauma

• Poor dentition or absences of molars (use with D-rings/straps

9. Extended use beyond the intended period may result in material

10. Avoid overtightening the ET tube clamp or securing strap, as this may compress the ET tube (risking occlusion), impair tube patency, or cause

11. Excessive saliva, blood, vomitus, or secretion buildup may reduce device securement effectiveness. Ensure frequent inspection and maintenance

12. If gag reflex is triggered during placement or adjustment, assess risk of aspiration and manage per institutional airway protection protocols.

degradation and reduced securement effectiveness.

• Temporomandibular joint (TMJ) dysfunction or instability: Use caution in patients with known TMJ dysfunction, prior dislocations, limited mouth opening, or connective tissue disorders. Forced mouth opening

· Recent oral or maxillofacial surgery

may exacerbate TMJ injury risk.

localized tissue injury.

per institutional protocol.

• Small oral cavities or abnormal anatomy

if applicable)

6. Environmental extremes, including excessive humidity or temperature, may affect material performance. Store and use the device within the recommended environmental conditions: 15-30°C (59-86°F), which corresponds to standard room temperature.

instability and possible extubation.

SYMBOLS GLOSSARY

or Instructions for Use:

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/<u>:</u>\

UDI

familiar with airway management protocols.

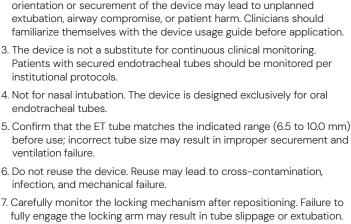
may predispose to TMJ injury.

- [li] Consult instructions for use (2)Do not reuse
- REF Catalog number (REF)

Date of manufacture

Caution

- **PRECAUTIONS** 1. Visually inspect the device and its packaging before use. Do not use if packaging is damaged, device appears deformed, incomplete, or compromised. 2. Ensure the molar props are properly seated between upper and lower molars to optimize securement and minimize risk of tube occlusion 3. Follow institutional protocols for endotracheal tube repositioning secretion accumulation. with abnormal inter-molar spacing or missing molars, use additional securing measures (e.g., neck or chin strap via D-rings) as per clinical
 - **SYMBOL** TITLE 444 Manufacturer
 - Caution: Federal law restricts this device to sale by or on the order of a physician. MR MR Safe Not made with natural rubber latex Scan for usage guide



1. Do not use the device in patients with known allergies to any of its materials. Although materials are biocompatible, hypersensitivity

2. Ensure the device is correctly oriented during insertion; improper

and securement checks. Periodically reassess ET tube position and device fit, especially after patient repositioning, agitation, or 4. Limit device use to patients with compatible oral anatomy. In patients

judgement. If mouth opening is limited (<3 cm), use extra caution of consider alternative airway management strategies, as limited mobility

5. Prolonged device placement on mucosa, especially in patients with compromised oral hygiene, may increase risk of mucosal injury or pressure ulceration. Perform regular skin/oral cavity assessments.

7. Removal of the device while the patient is intubated may result in tube

8. This device is intended for use only by trained healthcare professionals

The following symbols may appear on the product labeling, packaging,

LOT Lot number

Unique device identifier (UDI)