

**The REALM Intubation Crown is a medical device designed to secure endotracheal tubing after intubation.**



### **Prevents Inadvertent Tube Movement**

Improper fixation can lead to tube movement and cause extubation or possible collapsed lung.



### **Prevents Ulcer Formation**

Competitor devices use adhesives that patients develop sensitivities to, causing irritation open wounds.



### **Prevents Tube Destruction**

Current devices fail to protect the patient's oral cavity and compromise the patency of endotracheal tubing.

**It utilizes 3 features for securement:**

- 1. Zip-tie mechanism**
- 2. Bite block**
- 3. Adjustable strap system**



**Prevents vertical tube displacements greater than  
 $\pm 1$  cm!**



Bite block, tube holders, and the unique straps provide **3 levels** of stabilization for tube securement.

REALM Intubation Crown



Tube Holders



Bite Block



Strap System

- 3D printed from Nylon 12
- Accomodates various tubes sizes ranging from 5-10 mm
- Utilizes novel releasable zip-tie mechanism for tube securement
- Lined with silicone rubber for added friction

- Made from ethylene-vinyl acetate (EVA)
- Ensures oral cavity is protected
- Maintains tube integrity and patency

- Constructed from 100% Polyester
- Adjustable from the front, allowing easy clinican use
- Buckle and fastener components make it versatile for a range of head sizes

Endotracheal Market

- \$1.8 billion market with a CAGR of 6.6% between the years of 2020-2026

Global Market Value of Airway Management (USD)

