



OMARA Tube™

(Orally Maneuvered Airway Removable Applicator)

Status

US Patent:
7,552,729

Issued: 6/30/2009

Title: *Intubation
Device and Method*

Inventor: Sean
O'Mara, M.D., M.B.A.

The Army is seeking a partner interested in commercializing this device.

The Technology:

Endotracheal intubation is one of the most common procedures of airway management that requires a great deal of clinical experience to master. When performed improperly, complications may rapidly lead to a patient's death.

The OMARA Tube™ is a long, thin disposable stylet that attaches to and improves the function of a standard endotracheal tube. The innovative device includes a durable, exploratory portion that protrudes from the tip of the intubation tube, acting as a guide to insert the tube into the vocal chords and into the trachea, bypassing the need for a large endotracheal tube through the vocal chords. It also employs a handle that allows for accurate positioning of the tube. Ultimately, the OMARA Tube™ augments and improves conventional intubation by transforming the endotracheal tube into a rescue airway device.

Application:

This technology could be used extensively in patient care procedures where endotracheal intubations are employed.

Benefits:

- Flexible, bendable accentuator flaps identify cartilaginous rings in the trachea, thereby confirming the endotracheal tube was successfully placed in the trachea and not the esophagus
- Employs a handle for easier intubation positioning
- Can accommodate a light source to illuminate the vocal chords, eliminating the need for, and costs associated with maintaining, lighted laryngoscopes
- The exploratory portion can be used to apply suction for clearing obstructive secretions from the intubation tube
- The device can be bent so that the health care provider can personalize it to their preference
- Low manufacturing costs
- Applicable for conventional intubations as well as difficult, emergency rescue situations
- Applicable for adults, pediatric and animals



Contact: Sara Baragona, 301-619-6975, sara.baragona@us.army.mil