An innovation that saves valuable time and costs:
The TRACOE smart cuff manager maintains the cuff pressure within 20 and 30 cmH₂O, thus setting new standards for the safety of your patient. The risk of cuff pressure peaks is reduced. Excessively high cuff pressure contributes to damage of the tracheal mucosa. Insufficient cuff pressure may lead to unwanted aspiration.
The easy-to-use application and clear monitoring of cuff pressure will simplify your daily routine. Do your part, use TRACOE smart!

Safety through innovation
Maintenance of the cuff pressure
Avoidance of pressure deviations
Reflects cuff status
Time and cost effective

Please visit www.tracoe.com for more information.
Innovative Cuff Pressure Management

Excerpts of various literature regarding ventilator associated pneumonia (VAP)

The prevention of VAP is a major concern around the world. Numerous publications report of high morbidity and mortality rates, especially with regards to the enormous costs to the health systems. National and international publications suggest a great number of recommendations and advise to take measures for the prevention of VAP. Essential components of this “mosaic” includes cuff pressure management and the cuff pressure control in short regular intervals. In addition to this, preventive effects are attributed to the subglottic suctioning as part of the secretion management.

The Department of Health of the UK suggests in its publication “High Impact Intervention Care bundle to reduce ventilation-association pneumonia” in 2011, to check the cuff pressure every 4 hours. Other authors recommend the use of electronic devices that control the cuff pressure continuously and automatically regulate the pressure deviations.

All publications agree that the cuff pressure is influenced by a wide range of factors and underlies regular and unexpected considerable fluctuations. Cuff pressure management which provides sufficient sealing, especially with regards to silent aspiration bears a great challenge.

2 Department of Health, High Impact Intervention Care bundle to reduce ventilation-association pneumonia; 2011. webarchive.nationalarchives.gov.uk
4 Susan E. Coffin et al. Strategies to Prevent Ventilator-Associated Pneumonia in Acute Care Hospitals, Infection Control and Hospital Epidemiology*, October 2008, vol.29: S31-S40

Objective of the TRACOE smart Cuff Manager

To prevent cuff pressure from dropping below 20 or rising above 30 cmH₂O

Micro aspiration due to an underinflated cuff highly increases the risk of nosocomial ventilator-associated pneumonia. Permanent excessive cuff pressure causes damage to the tracheal mucous tissue which can be the cause of serious complications.

The TRACOE smart cuff manager is used with High Volume Low Pressure cuffs of tracheostomy tubes as well as endotracheal tubes. The cuff pressure is controlled and held within the pressure range of 20 to 30 cm H₂O.

Visual verification of the cuff pressure is indicated by the inflation level of the blue buffer balloon of the TRACOE smart cuff manager, which should be inflated between 2/3 and 3/4 of the volume of the outer shell.

If the cuff pressure is too low, the TRACOE smart cuff manager refills the cuff quickly. If the cuff pressure is too high, the TRACOE smart cuff manager absorbs the excessive pressure. Short high pressure peaks e.g. due to coughing will be tolerated by the integrated damping function which inhibits air from escaping instantly from the cuff. This maintains the self-sealing-effect of the cuff. The solid shell of the TRACOE smart cuff manager protects the highly elastic blue balloon from unwanted compression.
To use the TRACOE smart cuff manager it’s Luer connector (male) needs to be connected firmly to the cuff-filling valve of the tracheostomy tube or ET-tube.

A large-volume syringe is attached to the Luer connector (female) of the TRACOE smart cuff manager to inflate the blue buffer balloon to no less than 2/3 and no more than 3/4 of the volume of the outer shell. Alternatively to the syringe a hand manometer such as the TRACOE cuff pressure monitor can be used.

For the use with an already inflated cuff, simply connect the TRACOE smart cuff manager to the cuff-filling valve of the tube and quickly inflate the buffer balloon to the above mentioned volume of 2/3 to 3/4. Thereby the filling level of the buffer balloon needs to be considered as the relevant factor and not the volume of air.

Please follow the instructions for use!
Fields of application

Hospital and HomeCare

In the hospital the TRACOE smart cuff manager is used in conjunction with artificial airway products such as tracheostomy and ET-tubes in the ICU and the OR.

Because of the ability to easily and quickly connect the TRACOE smart cuff manager, it already can be used immediately after an emergency intubation, to protect the patient from aspiration and pressure peaks. This also applies to patient transportation. This also applies to patient intra and inter-facility transport. As a single patient product the TRACOE smart cuff manager may be disconnected from the ET-tube and reapplied to the tracheostomy tube of the same patient.

Spontaneously breathing patients who rely on a cuffed tracheostomy tube for medical reasons (e.g. patients suffering from dysphagia) as well as patients who are relying on mechanical ventilation either temporary or permanently, benefit equally from the use of the TRACOE smart cuff manager.

Using a connecting tube as an extension between tracheostomy tube and TRACOE smart cuff manager, it can be carried away from the neck e.g. in the patient’s pocket.

The TRACOE smart is easy to use. A properly filled blue balloon visualizes a cuff pressure range of 20 – 30 cmH₂O.

The TRACOE smart is a latex- and DEHP-free single patient product with a usage time of 29 days after opening. Please follow the instructions for use.

Ordering information

<table>
<thead>
<tr>
<th>REF Number</th>
<th>Packaging unit</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>REF 730-5</td>
<td>5 pc.</td>
<td>TRACOE smart Cuff Manager</td>
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<tr>
<td>REF 702</td>
<td>10 pc.</td>
<td>TRACOE technic Connecting tube</td>
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