Introduce staged extubation into your airway management strategy.

The American Society of Anesthesiologists discusses use of an airway extubation catheter in the Practice Guidelines for Management of the Difficult Airway:

“...The preformulated extubation strategy should include… a consideration of the short-term use of a device that can serve as a guide for expedited reintubation… The device may be rigid to facilitate intubation and/or hollow to facilitate ventilation.”1

Extrubation Failure

Even with well-designed protocols, postextubation airway failure remains a significant risk in all patient populations. In addition to the obvious safety issues, it also requires additional time, documentation and resources.

The factors contributing to high-risk extrubation include:

- Obesity2
- History of obstructive sleep apnea 2
- Upper airway obstruction2
- Requirement of additional airway device during induction of anesthesia 2
- Elderly patients2
- Patients requiring continuous intravenous sedation 2
- Difficult intubations 2

“…The critically ill care patient suffers extrubation failure regularly (0.4%–25%). Patients with a known or suspected difficult airway represent a patient cohort who may benefit from an extrubation strategy involving reversible extrubation.”4

Complications associated with multiple intubation attempts 5

<table>
<thead>
<tr>
<th>1 Attempt</th>
<th>&gt; 2 Attempts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hypoxemia</td>
<td>78%</td>
</tr>
<tr>
<td>Esophageal intubation</td>
<td>51.8%</td>
</tr>
<tr>
<td>Regurgitation</td>
<td>16.5%</td>
</tr>
<tr>
<td>Bronchospasm</td>
<td>1.3%</td>
</tr>
<tr>
<td>Aspiration</td>
<td>0%</td>
</tr>
</tbody>
</table>

For more detailed product information, please contact your local Cook Medical representative or call: 800.457.4500.

What Is Staged Extrubation?

Staged extrubation uses a staged extrubation wire to maintain continuous airway access and a staged reintubation catheter to facilitate a successful reintubation if required.

Benefits of Staged Extrubation

- A fivefold higher success rate of first-attempt reintubation, according to a study with an airway exchange catheter 4
- Avoidance of complications associated with failed or difficult reintubation 5
- Ability to trial extrubation earlier while maintaining secure airway access 2

Procedural Steps

1. Advance the staged extrubation wire into the endotracheal tube (ETT) to the predetermined depth.
2. Remove the ETT.
3. Leave the wire in place while the patient remains in a monitored environment.
4. In the event that the patient requires reintubation, pass the staged reintubation catheter over the wire.
5. Pass the ETT over the catheter and into the optimal position within the patient’s trachea.
6. Remove the wire and catheter, and connect the ETT to an oxygen source.

The preformulated extrubation strategy should include… a consideration of the short-term use of a device that can serve as a guide for expedited reintubation… The device may be rigid to facilitate intubation and/or hollow to facilitate ventilation.”1

MEDICAL www.cookmedical.com © COOK 2012 CC-BP-SEP-EN-201208

For more detailed product information, please contact your local Cook Medical representative or call: 800.457.4500.