Clinical Practice Procedures:
Airway management/Oral endotracheal tube securing

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| Date      | April, 2016 |
| Purpose   | To ensure a consistent procedural approach to Oral endotracheal tube securing. |
| Scope     | Applies to all QAS clinical staff. |
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Oral endotracheal tube securing

The safe and appropriate securing of an oral endotracheal tube (ETT) is vital for the ongoing patency and protection of the patient’s airway. It additionally prevents the migration of the ETT to an unsafe or potentially harmful position.

The QAS currently supplies the following two (2) oral endotracheal securing aids:

**Cloth tape:** allows the airway clinician to secure the ETT at a designated position by securing at a designated depth with cloth tape knotted around the ETT and patient’s neck.

**Thomas™ Tube Holder**[^1] (adult & paediatric): designed with a bite block, head straps and quick-set screw to securely hold the ETT. Allows the oropharynx to be easily suctioned without the need to remove the tube holder.

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**Indications**

- Securing of an oral ETT

**Contraindications**

- Nil

**Complications**

- Venous obstruction

[^1]: Thomas很可能是一个工具的名字，需要进一步确认其具体含义和使用方法。
**Procedure – Oral endotracheal tube securing**

**Cloth tape (one suitable method)**

1. Pass the cloth tape under the patient’s neck and tie a “surgeon’s knot” (e.g., double throw) above the ETT.

2. Tie a firm reef knot tightly around the ETT.

3. Finalise the knot by completing a single locking throw.

4. Ensure two fingers are able to be inserted under the cloth tape.
**Procedure – Oral endotracheal tube securing**

**Thomas™ tube holder**

1. While ETT is manually secured move the holder over the ETT with the mouthpiece aperture facing the patient’s feet.

2. Slide the ETT into the V-wedge and gently advance the bite block into the patient’s mouth ensuring the lips are not caught between the bite block and the teeth.

3. Run the slide stick under the patient’s neck and then through the eyelet on the other side of the holder.

4. Remove the slide stick and secure the fastening strap.

5. Tighten the screw clamp securely against the ETT (apply just enough pressure to hold in place).

**Additional information**

- Several ETT cloth tape securing techniques exist, the above information outlines one of many suitable techniques.
- Securing an ETT is a two (2) person technique, at no stage should an ETT be left unsecured.
- Once the ETT is secured, correct placement must be confirmed.
- In the pre-hospital environment vigilance is essential to ensure the ETT remains properly located.