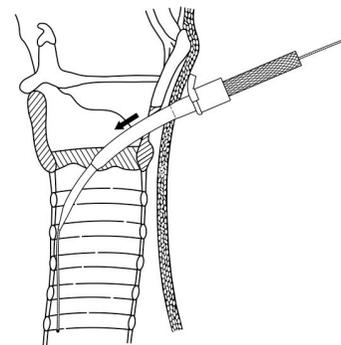


## Emergency Cricothyrotomy-Melker Kit



- 1 Set your tools and assemble the dilator and tracheal cannula (unlike a central line, the dilator fits inside the tracheal cannula and they go in together. The dilator is then removed.) Put 1cc of sterile saline in the syringe and assemble on introducer needle or catheter.
- 2 Patient placed with head and neck in extended position. clean the skin and use anesthesia if awake.
- 3 Palpate and prep area - CRICOTHYROID MEMBRANE
- 4 Make a midline VERTICAL incision over the membrane. Be generous. e.g. 6.5mm catheter has a circumference of about an inch.
- 6 Introducer needle (or catheter with needle) is attached to syringe is advanced through the cricothyroid membrane in a caudad direction [towards feet], with continuous aspiration
- 7 Tracheal entry is suggested by free aspiration of air into syringe
- 8 Catheter (if used) is then advanced off the introducer needle into the trachea, the needle is removed
- 9 Through the catheter the guide wire is advanced several centimeters into the trachea
- 10 Supple end of wire advanced into the patient - NOT stiff end (orientation is correct in wire holder)
- 11 Remove catheter, leaving wire in trachea
- 12 If not already done, a vertical incision is now made with a scalpel blade in the skin alongside the entry point of the wire.
- 13 Dilator/cannula assembly is “railroaded” over the wire into the trachea. Be careful not to loose the wire.
- 14 Hold outer cannula tightly against inner dilator as dilator will otherwise back away from cannula
- 15 Once cannula is seated in airway, the dilator and wire are removed together
- 16 If cuffed is inflated with 8-10 ml of air. Most kits are un-cuffed. If there is a large leak from the upper airway, you may need to pack the pharynx. Usually, that is not necessary.
- 17 Attach cannula’s connector to ventilation device Confirm proper placement with CO2 monitoring.
- 18 Secure in place

### Reference:

Kovacs, G. and J. A. Law. *Airway management in emergencies*. McGraw-Hill Companies, Inc. 2008

The Melker Kit Manufacturer, visit [www.cookmedical.com](http://www.cookmedical.com) and search for “melker” to see video and written instructions.

Image above is from the manufacturer multi-lingual instruction file downloadable form the website.