



DIFFICULT AIRWAY PRODUCTS



Taking the "difficult" out of difficult airway.

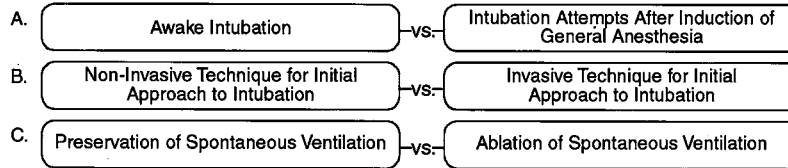


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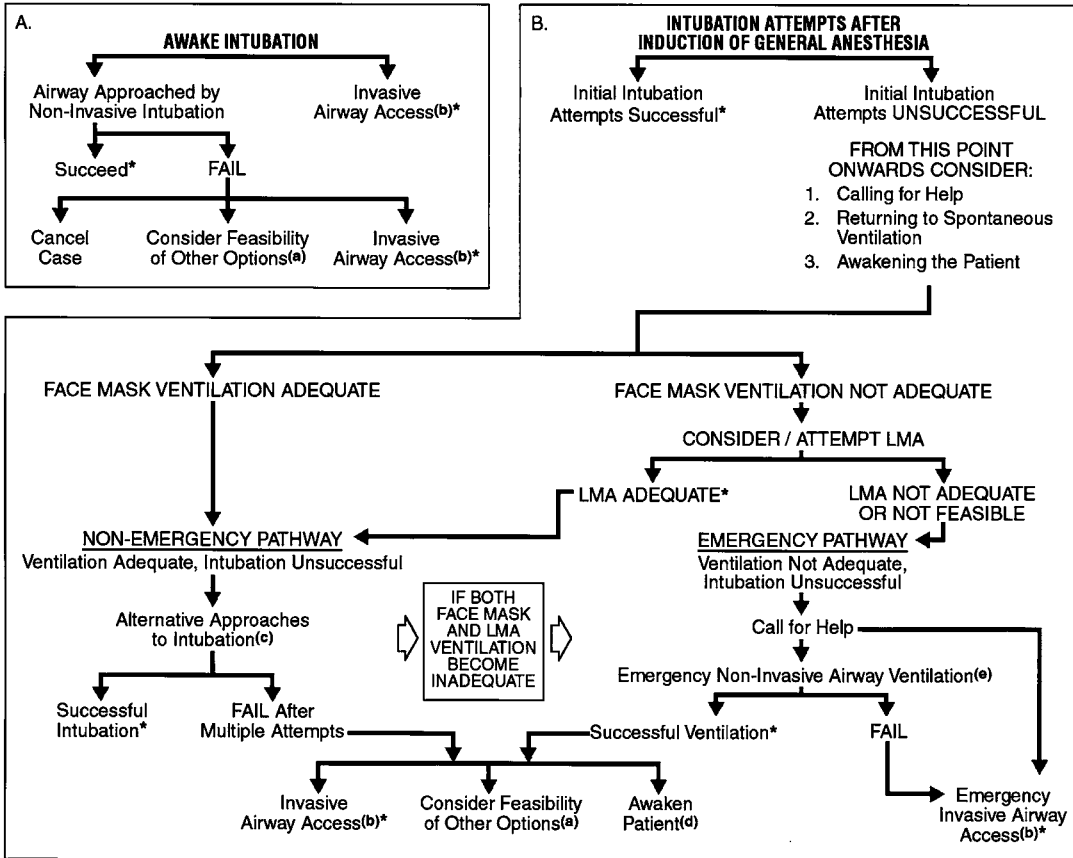
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DIFFICULT AIRWAY ALGORITHM

1. Assess the likelihood and clinical impact of basic management problems:
 - A. Difficult Ventilation
 - B. Difficult Intubation
 - C. Difficulty with Patient Cooperation or Consent
 - D. Difficult Tracheostomy
2. Actively pursue opportunities to deliver supplemental oxygen throughout the process of difficult airway management
3. Consider the relative merits and feasibility of basic management choices:



4. Develop primary and alternative strategies:



* Confirm ventilation, tracheal intubation, or LMA placement with exhaled CO₂

a. Other options include (but are not limited to): surgery utilizing face mask or LMA anesthesia, local anesthesia infiltration or regional nerve blockade. Pursuit of these options usually implies that mask ventilation will not be problematic. Therefore, these options may be of limited value if this step in the algorithm has been reached via the Emergency Pathway.

b. Invasive airway access includes surgical or percutaneous tracheostomy or cricothyrotomy.

c. Alternative non-invasive approaches to difficult intubation include (but are not limited to): use of different laryngoscope blades, LMA as an intubation conduit (with or without fiberoptic guidance), fiberoptic intubation, intubating stylet or tube changer, light wand, retrograde intubation, and blind oral or nasal intubation.

d. Consider re-preparation of the patient for awake intubation or canceling surgery.

e. Options for emergency non-invasive airway ventilation include (but are not limited to): rigid bronchoscope, esophageal-tracheal combitube ventilation, or transtracheal jet ventilation.

Excerpted from *Practice Guidelines for Management of the Difficult Airway* (2003), a publication of the American Society of Anesthesiologists. A copy of the full text can be obtained from ASA, 520 N. Northwest Highway, Park Ridge, Illinois 60068-2573.

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Melker Universal Emergency Cricothyrotomy Catheter Set

Used for emergency airway access when conventional endotracheal intubation cannot be performed.



Intended for one-time use.

FEATURES & BENEFITS

- Airway access is achieved by percutaneous entry (Seldinger) or surgical technique via the cricothyroid membrane.

COMPONENTS

Seldinger Technique

- Introducer needle
- TFE catheter introducer needle
- Syringe
- Scalpel
- Wire guide
- Curved dilator
- Airway catheter

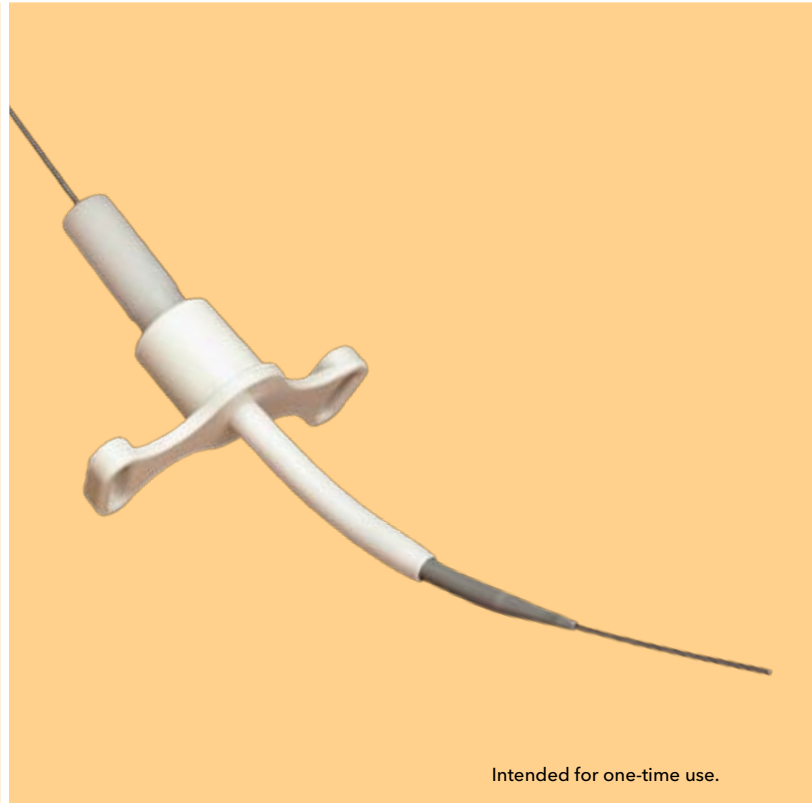
Surgical Technique

- #11 safety scalpel
- Trousseau dilators
- Tracheal hook
- Blunt, curved dilator

Global Product Number	Order Number	Airway Catheter Length cm	Airway Catheter Inner Diameter mm
G32193	C-TCCSB-500-UNI	9	5

Melker Emergency Cricothyrotomy Catheter Sets

Used for emergency airway access when conventional endotracheal intubation cannot be performed.



FEATURES & BENEFITS

- Airway access is achieved by standard wire-guided (Seldinger) technique via the cricothyroid membrane.
- Subsequent dilation of the tract and tracheal entrance site permits passage of the emergency airway.
- Airway catheter is radiopaque and has standard 15 mm connector.

COMPONENTS

- Introducer needle
- TFE catheter introducer needle
- Syringe
- Scalpel
- Wire guide
- Curved dilator
- Airway catheter

Global Product Number	Order Number	Airway Catheter Length cm	Airway Catheter Inner Diameter mm	
G06245	C-TCCS-350	3.8	3.5	airway catheter has radiopaque stripe
G06246	C-TCCS-400	4.2	4.0	airway catheter has radiopaque stripe
G04652	C-TCCS-600	7.5	6.0	airway catheter has radiopaque stripe
Modified Set				
G07546	C-TCCS-400-TT	7.5		airway catheter has radiopaque stripe; TT plug supplied with set.

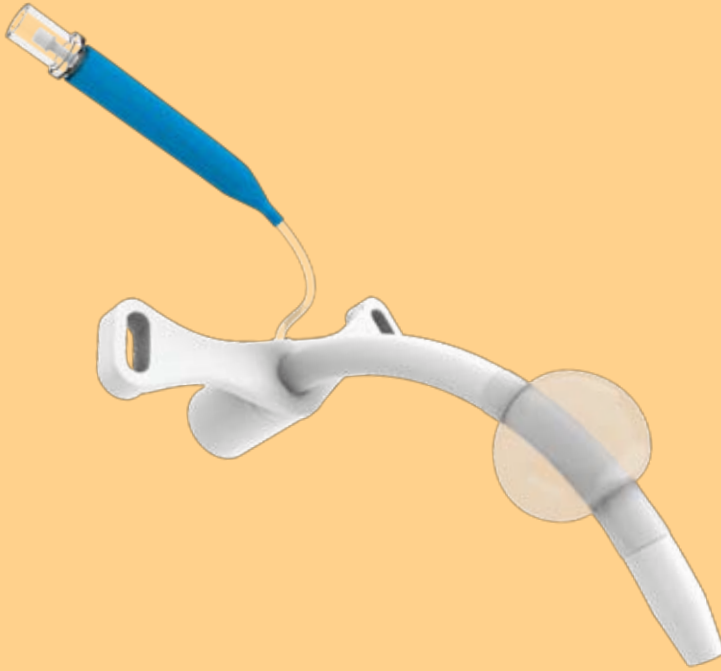
Global Product Number	Order Number	Small Airway Catheter Length cm	Small Airway Catheter Inner Diameter mm	Large Airway Catheter Length cm	Large Airway Catheter Inner Diameter mm
G10699	C-TCCS-600-SPOPS	4.2	4.0	7.5	6.0

Special Operations - combines 4.0 mm catheter with a 6.0 mm catheter in a slip peel-pouch package for easy transportation.

Melker Emergency Cricothyrotomy Catheter Sets

CUFFED

Used for emergency airway access when conventional endotracheal intubation cannot be performed.



Intended for one-time use.

FEATURES & BENEFITS

- Airway access is achieved by standard wire-guided (Seldinger) technique via the cricothyroid membrane.
- Subsequent dilation of the tract and tracheal entrance site permits passage of the emergency airway.
- Catheter is cuffed to protect and control airway once placed.
- Airway catheter is radiopaque and has standard 15 mm connector.

COMPONENTS

- Introducer needle
- TFE catheter introducer needle
- Syringe
- Scalpel
- Wire guide
- Curved dilator
- Airway catheter

Global Product Number	Order Number	Airway Catheter Length cm	Airway Catheter Inner Diameter mm
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G29432	C-TCCSB-500	9	5
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Special Operations - 5.0 mm catheter in a slip peel-pouch package for easy transportation.

G10699	C-TCCSB-500-SPOPS	5	5
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Cook® Airway Exchange Catheters

Used for uncomplicated, atraumatic endotracheal tube exchange.



Intended for one-time use.

FEATURES & BENEFITS

- Removable Rapi-Fit® Adapter permits use of ventilatory device if necessary during exchange procedure.
- Through-lumen design of catheter with distal sideports ensures adequate airflow.
- Blunt tip of catheter is atraumatic to internal structures.
- Centimeter marks facilitate accurate placement with shortened endotracheal tubes.

COMPONENTS

- Radiopaque catheter
- Rapi-Fit Adapter (15 mm connector)
- Rapi-Fit Adapter (Luer lock connector)

Global Product Number	Order Number	Fr	Length cm	Inner Diameter mm	For Placement of Endotracheal Tube with Inner Diameter mm
For Use with Single Lumen Endotracheal Tubes					
G07833	C-CAE-8.0-45	8.0	45	1.6	3 or larger
G06732	C-CAE-11.0-83	11.0	83	2.3	4 or larger
G07873	C-CAE-14.0-83	14.0	83	3.0	5 or larger
G05880	C-CAE-19.0-83	19.0	83	3.4	7 or larger

Cook® Airway Exchange Catheters

EXTRA FIRM WITH SOFT TIP

Used for uncomplicated, atraumatic endotracheal tube exchange or double-lumen endobronchial tube exchange.



Intended for one-time use.

FEATURES & BENEFITS

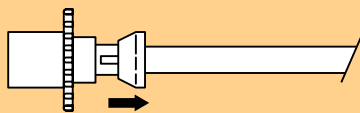
- Distal 7 cm of catheter is flexible.
- Extra-firm catheter facilitates exchange of double-lumen tubes.
- Removable Rapi-Fit® Adapter permits use of ventilatory device if necessary during exchange procedure.
- Through-lumen design of catheter with distal sideports ensures adequate airflow.
- Blunt, soft, flexible tip of catheter is atraumatic to internal structures.
- Centimeter marks facilitate accurate placement with shortened endotracheal tubes.

COMPONENTS

- Radiopaque catheter
- Rapi-Fit Adapter (15 mm connector)
- Rapi-Fit Adapter (Luer lock connector)

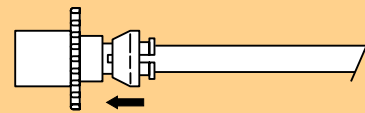
Global Product Number	Order Number	Fr	Length cm	Inner Diameter mm	For Placement of Endotracheal Tube with Inner Diameter mm
G36401	C-CAE-11.0-100-DLT-EF-ST	11.0	100	2.3	4 or larger
G36402	C-CAE-14.0-100-DLT-EF-ST	14.0	100	3.0	5 or larger

Use of Rapi-Fit Adapter*



TO ATTACH

Position on catheter and push white collar forward and lock into position.



TO REMOVE

Pull white collar back to release and remove from catheter.

*For use of Rapi-Fit Adapter with 15 mm connector or Rapi-Fit Adapter with Luer lock connector.

Aintree Intubation Catheter

Used for fiberoptic-guided placement of endotracheal or nasotracheal tubes. Also used for the exchange of laryngeal mask airway and endotracheal tubes using a fiberoptic bronchoscope.



FEATURES & BENEFITS

- Catheter has large 4.7 mm inner diameter to accept fiberoptic bronchoscope.
- Removable Rapi-Fit® Adapter permits use of ventilatory device if necessary during exchange procedure. Adapters for jet and 15 mm connections.
- Through-lumen design of catheter with distal sideports ensures adequate airflow.
- Blunt tip of catheter is atraumatic to internal structures.
- Centimeter marks facilitate accurate placement with shortened endotracheal tubes.

COMPONENTS

- Radiopaque catheter
- Rapi-Fit Adapter (15 mm connector)
- Rapi-Fit Adapter (Luer lock connector)

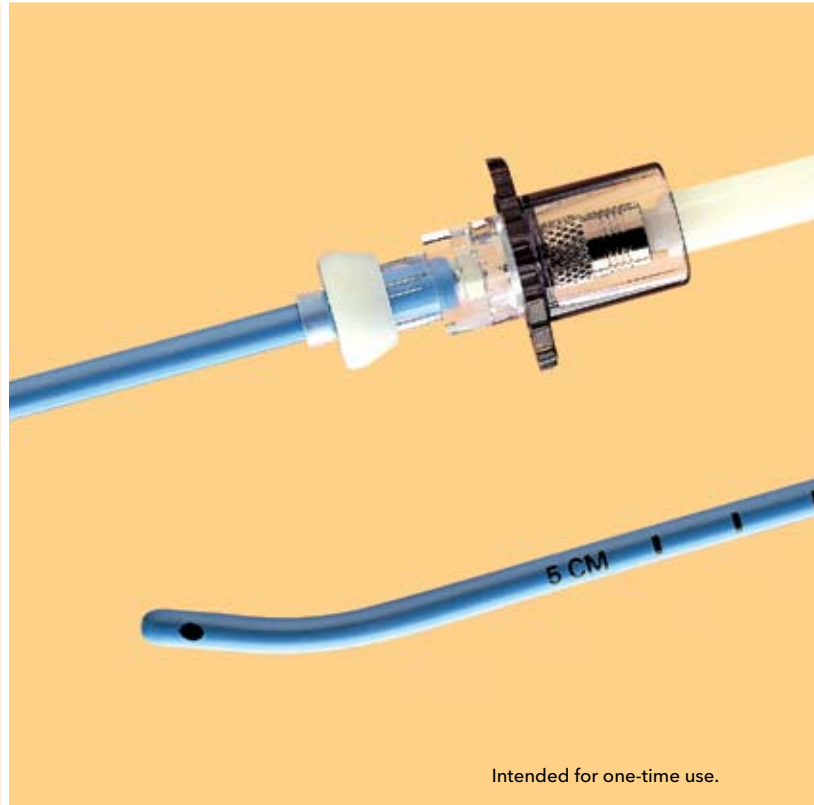
Global Product Number	Order Number	Fr	Length cm	Inner Diameter mm	For Placement of Endotracheal Tube with Inner Diameter mm
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For Use with Laryngeal Mask Airways/Supraglottic Airway Devices

G10789	C-CAE-19.0-56-AIC	19.0	56	4.7	7 or larger
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Frova Intubating Introducers

Used to facilitate endotracheal intubation and to allow simple endotracheal tube exchange.



FEATURES & BENEFITS

- Angled tip assists in proper placement beyond vocal chords.
- Removable Rapi-Fit® Adapter permits use of ventilatory device if necessary during exchange procedure.
- Optional stiffening cannula adds rigidity to all but the distal 5 cm of the catheter

COMPONENTS

- Radiopaque catheter
- Rapi-Fit Adapter (15 mm connector)
- Rapi-Fit Adapter (Luer lock connector)

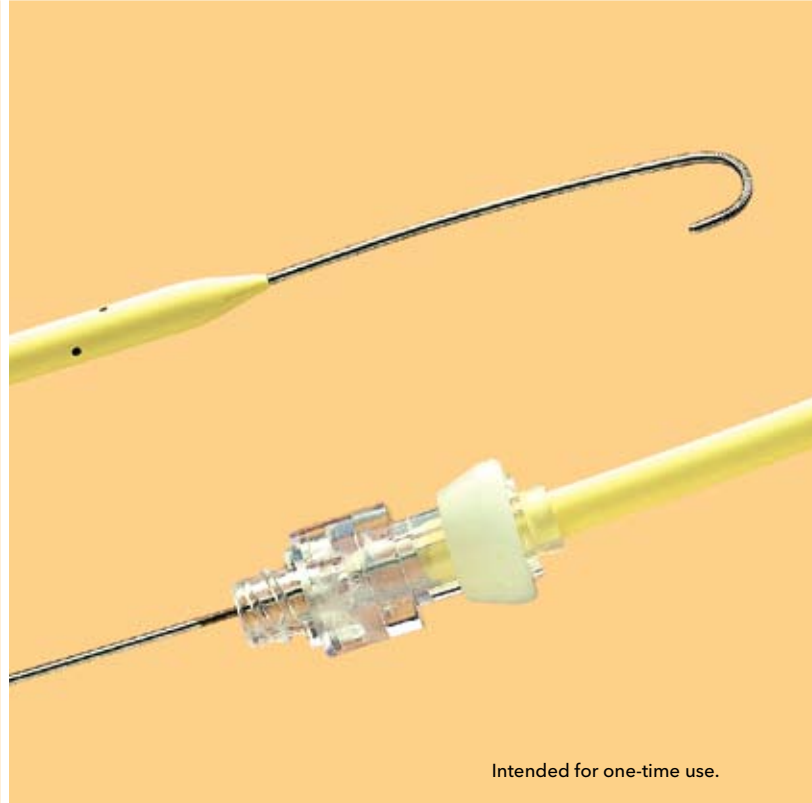
Global Product Number	Order Number	Catheter Fr	Catheter Length cm	Catheter Inner Diameter mm	For Placement of Endotracheal Tube with Inner Diameter ¹ mm
With Stiffening Cannula					
G12591	C-CAE-8.0-35-FII	8.0	35	1.6	3 or larger
G11915	C-CAE-14.0-65-FII	14.0	65	3.0	6 or larger
Without Stiffening Cannula					
G13307	C-CAE-14.0-65-FI	14.0	65	3.0	6 or larger
Without Stiffening Cannula and Rapi-Fit Adapter²					
G27282	C-CAE-14.0-65-FIC	14.0	65	3.0	6 or larger

¹Endotracheal tube not included.

²Supplied as 10 catheters only.

Cook® Retrograde Intubation Sets

Used to assist in the placement of an endotracheal tube during difficult airway access procedures.



FEATURES & BENEFITS

- Initial access using the Seldinger technique via the cricothyroid membrane permits retrograde (cephalad-directed) placement of a wire guide exiting orally or nasally.
- Antegrade introduction of a hollow guiding catheter with distal sideports and Rapi-Fit® Adapters allows patient oxygenation and facilitates placement of an endotracheal tube.

COMPONENTS

- Introducer needle
- TFE introducer needle
- Syringe
- Wire guide with positioning marks
- Guiding catheter
- Rapi-Fit Adapter (15 mm connector)
- Rapi-Fit Adapter (Luer lock connector)

Global Product Number	Order Number	Catheter Fr	Catheter Length cm	Wire Guide Diameter inch / mm	Wire Guide Length cm	Wire Guide Tip	For Placement of Endotracheal Tube with Inner Diameter mm
G09727	C-RETRO-6.0-50-38J-110	6.0	50	.038 / 0.97	110	straight and 3 mm "J"	2.5 or larger
G07647	C-RETRO-11.0-70-38J-110	11.0	70	.038 / 0.97	110	straight and 3 mm "J"	4 or larger
G10554	C-RETRO-14.0-70-38J-110-CAE	14.0	70	.038 / 0.97	110	straight and 3 mm "J"	5 or larger
Replacement Wire Guide							
G07622	C-DOC-38-110-0-3-RETRO			.038 / 0.97	110	straight and 3 mm "J"	

Enk Fiberoptic Atomizer Sets

Used for atomizing local anesthetics in connection with flexible fiberoptic intubation techniques.



Intended for one-time use.

FEATURES & BENEFITS

- The Enk Fiberoptic Atomizer Set provides adequate topical anesthesia by atomizing small doses of local anesthetics through the working channel of the bronchoscope using a flow of oxygen.
- Reduced doses of anesthetics together with the atomizer effect enhance patient comfort.
- Repeated administration of local anesthetic solutions and a flow of oxygen ("spray as you go") keep the front lens clear during bronchoscope advancement.

COMPONENTS

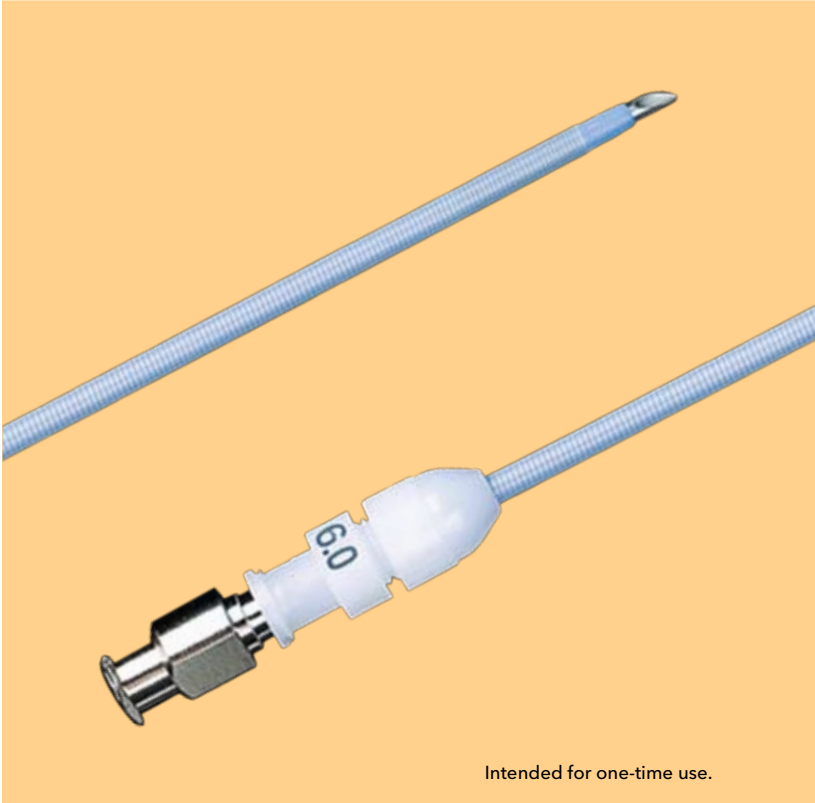
- Introducer catheter
- Connecting tube with atomizer

Global Product Number	Order Number
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G27286	C-EFNS-100
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Emergency Transtracheal Airway Catheters

Used for emergency airway access when conventional endotracheal intubation cannot be performed.



FEATURES & BENEFITS

- Catheter is coil-reinforced to prevent kinking.

COMPONENTS

- Reinforced FEP catheter.

Global Product Number	Order Number	Catheter Fr	Catheter Length cm	Catheter Inner Diameter mm	Needle Gage
G10338	C-DTJV-6.0-5.0-BTT	6.0	5.0	2	15
G09413	C-DTJV-6.0-7.5-BTT	6.0	7.5	2	15

Enk Oxygen Flow Modulator Sets

Used with emergency transtracheal catheter ventilation when conventional ventilation by mask or endotracheal tube cannot be performed.



Intended for one-time use.

FEATURES & BENEFITS

- The device allows manually controlled oxygen flow.
- Catheter is kink resistant, wire reinforced to prevent collapsing once placed.
- Catheter is cuffed to protect and control airway once placed.
- Includes Emergency Transtracheal Airway Catheter tubing for attachment to oxygen source and Enk flow modulator.

COMPONENTS

- Catheter needle
- Syringe
- Enk Oxygen Flow Modulator

Global Product Number	Order Number	Catheter Fr	Catheter Length cm	Catheter Inner Diameter mm	Needle Gage
G12398	C-EFMS-100	6.0	7.5	2	15
G13145	C-EFMS-101	6.0	5.0	2	15

Wadhwa Emergency Airway Device

Used for emergency airway access when conventional endotracheal intubation cannot be performed.



Intended for one-time use.

FEATURES & BENEFITS

- This device and all of its components require preassembly and, once assembled, are nonsterile.

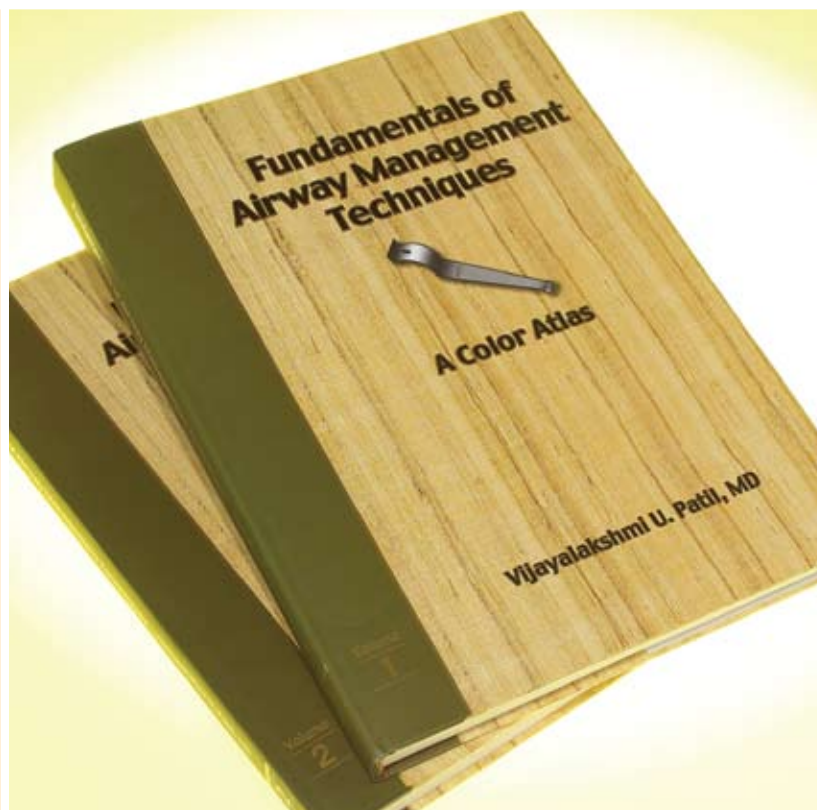
COMPONENTS

- Nasopharyngeal airway catheter
- Cricothyrotomy catheter
- 15 mm adapter

Global Product Number	Order Number	Cricothyrotomy Catheter Fr	Cricothyrotomy Catheter Length cm	Nasopharyngeal Airway Catheter Length cm	Nasopharyngeal Airway Catheter Length mm
G26948	C-WEAD-100	9.0	6	9.5	7

Fundamentals of Airway Management Techniques

A COLOR ATLAS (TWO VOLUME SET) BY VIJAYALAKSHI U. PATIL, MD



- A comprehensive discussion of the basic approach to airway management.
- The volumes describe how to perform each technique in detail and offer solutions to clinical problems and emergencies.

ABOUT DR. PATIL

- Dr. Patil is the recipient of numerous awards for exhibits on airway management equipment, techniques and teaching models at national and international conferences.

ORDERING INFORMATION

- To order this book, please contact your local sales representative.

Management of the Difficult Airway

CD-ROM

CC-BD-DACD-EN-200807

COOK
MEDICAL **DIFFICULT AIRWAY
PRODUCTS**



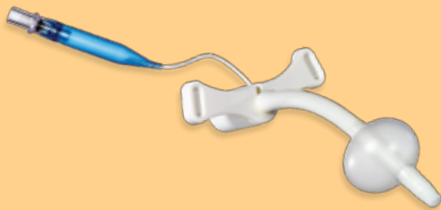
Management of the Difficult Airway

Melker Emergency Cricothyrotomy Catheter

CD-ROM

CC-BD-TCCS-ML-0708

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EMERGENCY CRICOTHYROTOMY CATHETER



Instructional Multimedia Presentation

Aintree Intubation Catheter

DVD

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MEDICAL

Aintree

INTUBATION CATHETER

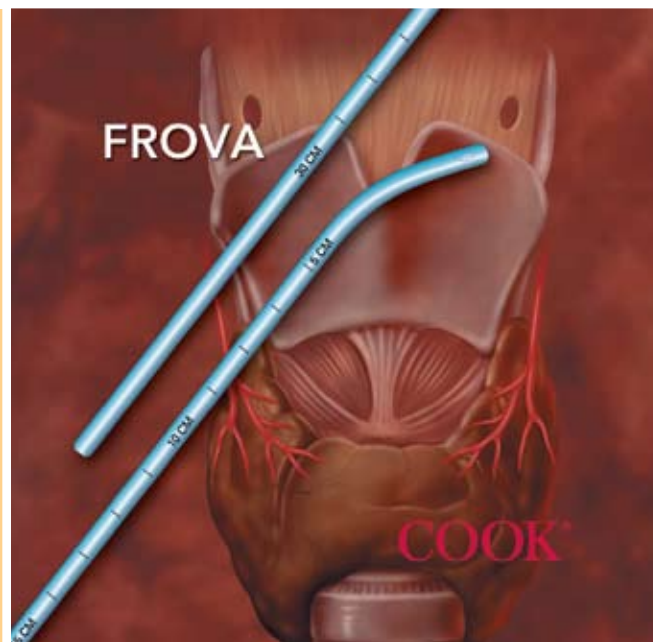


Instructional Multimedia Presentation

Frova Intubating Introducers

CD-ROM

CD-C-FROVA-0604-033-02EN





www.cookmedical.com

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AORTIC INTERVENTION

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