A pioneer in percutaneous tracheostomy

Blue Rhino® G2-Multi

PERCUTANEOUS TRACHEOSTOMY INTRODUCER

COOK® MEDICAL

BlueRhinoMulti.com

Revolutionizing percutaneous tracheostomy for **over 30 years**

Surgical tracheostomies were performed as early as the 16th century in order to achieve adequate ventilation for patients who suffered from an obstruction of the upper airway or those who needed long-term ventilation.[1]

Concerned with the potential complications of surgical tracheostomies, Dr. Pasquale "Pat" Ciaglia revolutionized the procedure by partnering with Cook Medical to invent a minimally invasive percutaneous dilation technique. His original serial dilation set, introduced in 1987, evolved into the single dilator approach we know today: the Blue Rhino G2-Multi Percutaneous Tracheostomy Introducer.

Globally, percutaneous dilational tracheostomy (PDT) has become one of the most commonly performed procedures in the intensive care unit (ICU).[2] *The single-dilation Ciaglia Blue Rhino technique has become many physicians' preferred method when performing PDT.*[3,4]

Blue Rhino G2-Multi Percutaneous Tracheostomy Introducer

Providing a variety of loading dilators to fit a wide range of tracheostomy tubes

The crosshatched handle is intended to improve procedural control by enhancing the operator's grip.

Longitudinal grooves on the distal surface help facilitate a less forceful insertion.

The benefits of percutaneous tracheostomy

PDT is performed using the Seldinger technique, which makes it less invasive compared to the surgical technique and allows the procedure to be performed at the bedside by surgeons and other trained clinicians.[2]

Performing PDT at the bedside eliminates the need to transport critically ill patients to the operating room.

Bedside PDT may offer substantial cost savings due to the elimination of operating room expenses and anesthesia fees as well as the reduced physician time—minimizing overall hospital expenses.[5, 6]

The Blue Rhino G2-Multi loading dilators provide a better fit and smoother transition with ISO standard tracheostomy tubes compared to the previous generation of loading dilators.*

7.5 Shiley® Adult Flexible Evac Tracheostomy Tube

1. Petros S. Percutaneous tracheostomy. *Crit Care.* 1999;3(2):R5–R10.
2. Vargas M, Sutherasan Y, Antonelli M, et al. Tracheostomy procedures in the intensive care unit: an international survey. *Crit Care.* 2015;19(1):291.
3. Newhouse E, Ondik MP, Carr M, et al. Who is performing percutaneous tracheotomies? Practive patterns of surgeons in the USA. *Eur Arch Otorhinolaryngol.* 2011;268(3):415–418.
4. Cabrini L, Pintaudi M, Winterton D, et al. Choice of the appropriate tracheostomy technique. In: Servillo G, Pelosi P, eds. *Percutaneous Tracheostomy in Critically Ill Patients.* New York, NY: Springer; 2016:67–78.
5. Cobean R, Beals M, Moss C, et al. Percutaneous dilatational tracheostomy: a safe, cost-effective bedside procedure. *Arch Surg.* 1996;131(3):265–271.
6. Freeman BD, Isabella K, Cobb JP, et al. A prospective, randomized study comparing percutaneous with surgical tracheostomy in critically ill patients. *Crit Care Med.* 2001;29(5):926–930.

*Compatibility tested with Shiley Flexible Adult Tracheostomy Tubes and Shiley Flexible Evac Adult Tracheostomy Tubes. See IFU for complete details.

Monoject is a registered trademark of Medtronic.

ChloraPrep is a registered trademark of CareFusion 2200, Inc.

Blue Rhino® G2-Multi

PERCUTANEOUS TRACHEOSTOMY INTRODUCER TRAY

The Blue Rhino G2-Multi Percutaneous Tracheostomy Introducer is intended for percutaneous dilational tracheostomy for management of the airway in adults only. Tube placement should be performed in a controlled setting (e.g., an ICU or operating room) with the assistance of trained personnel.

Features and benefits

- The trays and sets provide a variety of loading dilators to fit a wide range of tracheostomy tubes.
- The crosshatched handle helps enhance the operator's grip to improve procedural control.
- The longitudinal grooves have been implemented on the distal surface to help facilitate a less forceful insertion.

Tray components

1. Blue Rhino® G2-Multi Percutaneous Tracheostomy Dilator
2. Tracheostomy tube loading dilators[1]
3. 15 gage introducer needle
4. 15 gage introducer needle with FEP sheath
5. Safe-T-J® Fixed Core Wire Guide
6. Introducer dilator
7. Guiding catheter
8. 10 4 x 4 inch gauze sponges
9. 6 and 12 mL Monoject® syringes
10. Needle holder cup
11. Sterile lubricating jelly[2]
12. Wire guide dispenser with J-tip straightener
13. #15 safety scalpel
14. 5 mL ampoule of 1% lidocaine HCL[2]
15. 22 and 25 gage Monoject® needles
16. Double swivel connector
17. 30 x 30 inch CSR wrap
18. 4 x 4 inch drain sponge
19. 5 inch long curved hemostat
20. 5 inch long serrated hemostat
21. Tracheostomy tube holder
22. 44 x 30 inch folded drape
23. 2/0 polypropylene blue monofilament suture
24. Two ChloraPrep® with tint applicators[2]
25. Filter straw[2]

Tracheostomy tube with disposable inner cannula (not pictured)[3]

Order Number	Reference Part Number	Loading Dilator(s) Diameter mm	Tracheostomy Tube Diameter mm
Trays with Pharmaceuticals, without Tracheostomy Tube			
G57703	C-PTISY-100-HC-G-NA	7.5, 8.5, 9.0	Not included
G57704	C-PTISY-100-UNS-HC-G-NA	6.5, 7.0, 7.5, 8.0	Not included
G57706	C-PTISY-100-UNL-HC-G-NA	8.5, 9.0, 10.0	Not included
Trays with Pharmaceuticals, with Tracheostomy Tube			
G57716	C-PTISY-100-HC-G-NA-FLEX7.5	7.5, 8.5, 9.0	7.5 Shiley® Flexible Adult Tracheostomy Tube
G57717	C-PTISY-100-HC-G-NA-FLEX8.5	7.5, 8.5, 9.0	8.5 Shiley® Flexible Adult Tracheostomy Tube
G57718	C-PTISY-100-HC-G-NA-EVAC7.5	7.5, 8.5, 9.0	7.5 Shiley® Adult Flexible Evac Tracheostomy Tube
G57719	C-PTISY-100-HC-G-NA-EVAC8.5	7.5, 8.5, 9.0	8.5 Shiley® Adult Flexible Evac Tracheostomy Tube
Trays without Pharmaceuticals, without Tracheostomy Tube			
G57707	C-PTISYJ-100-HC-G-NA	7.5, 8.5, 9.0	Not included
G57708	C-PTISYJ-100-UNS-HC-G-NA	6.5, 7.0, 7.5, 8.0	Not included
G57709	C-PTISYJ-100-UNL-HC-G-NA	8.5, 9.0, 10.0	Not included
Trays without Pharmaceuticals, with Tracheostomy Tube			
G57720	C-PTISYJ-100-HC-G-NA-FLEX7.5	7.5, 8.5, 9.0	7.5 Shiley® Flexible Adult Tracheostomy Tube
G57721	C-PTISYJ-100-HC-G-NA-FLEX8.5	7.5, 8.5, 9.0	8.5 Shiley® Flexible Adult Tracheostomy Tube
G57722	C-PTISYJ-100-HC-G-NA-EVAC7.5	7.5, 8.5, 9.0	7.5 Shiley® Adult Flexible Evac Tracheostomy Tube
G57723	C-PTISYJ-100-HC-G-NA-EVAC8.5	7.5, 8.5, 9.0	8.5 Shiley® Adult Flexible Evac Tracheostomy Tube

Some products or part numbers may not be available in all markets. Contact your local Cook Medical sales representative or Customer Support & Distribution for details.

1. Size and quantity of tracheostomy tube loading dilators will vary based on tray or set configurations.
2. Not included in trays without pharmaceuticals.
3. Included only where listed.

G57682 is shown here.

Product components may vary by part number.

Blue Rhino® G2-Multi

PERCUTANEOUS TRACHEOSTOMY INTRODUCER SET

The Blue Rhino G2-Multi Percutaneous Tracheostomy Introducer is intended for percutaneous dilational tracheostomy for management of the airway in adults only. Tube placement should be performed in a controlled setting (e.g., an ICU or operating room) with the assistance of trained personnel.

Features and benefits

- The trays and sets provide a variety of loading dilators to fit a wide range of tracheostomy tubes.
- The crosshatched handle helps enhance the operator's grip to improve procedural control.
- The longitudinal grooves have been implemented on the distal surface to help facilitate a less forceful insertion.

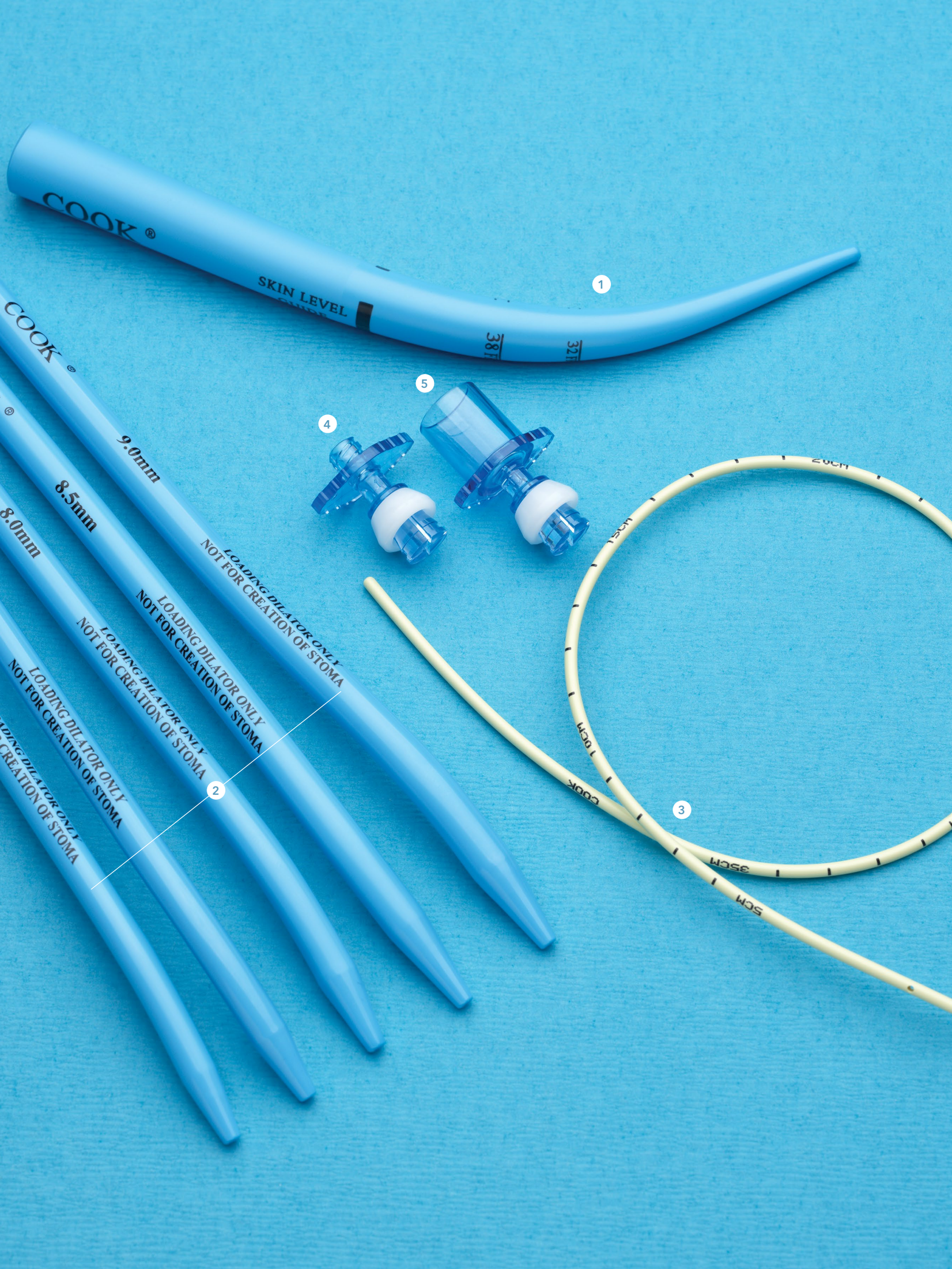
Set components

1. Blue Rhino® G2-Multi Percutaneous Tracheostomy Dilator
2. Tracheostomy tube loading dilators[1]
3. 15 gage introducer needle
4. 15 gage introducer needle with FEP sheath
5. Safe-T-J® Fixed Core Wire Guide
6. Introducer dilator
7. Guiding catheter
8. Four 4 x 4 inch gauze sponges
9. 6 mL Monoject® syringe
10. Needle holder cup
11. Sterile lubricating jelly
12. Wire guide dispenser with J-tip straightener
13. #15 safety scalpel
14. 5 inch long curved hemostat

Tracheostomy tube with disposable inner cannula (not pictured)[2]

Order Number	Reference Part Number	Loading Dilator(s) Diameter mm	Tracheostomy Tube Diameter mm
Sets without Tracheostomy Tube			
G57682	**C-PTIS-100-HC-G-NA**	7.5, 8.5, 9.0	Not included
G57683	**C-PTIS-100-UNS-HC-G-NA**	6.5, 7.0, 7.5, 8.0	Not included
G57684	**C-PTIS-100-UNL-HC-G-NA**	8.5, 9.0, 10.0	Not included
Sets with Tracheostomy Tube			
G57691	**C-PTIS-100-HC-G-NA-FLEX7.5**	7.5, 8.5, 9.0	7.5 Shiley® Flexible Adult Tracheostomy Tube
G57692	**C-PTIS-100-HC-G-NA-FLEX8.5**	7.5, 8.5, 9.0	8.5 Shiley® Flexible Adult Tracheostomy Tube
G57693	**C-PTIS-100-HC-G-NA-EVAC7.5**	7.5, 8.5, 9.0	7.5 Shiley® Adult Flexible Evac Tracheostomy Tube
G57694	**C-PTIS-100-HC-G-NA-EVAC8.5**	7.5, 8.5, 9.0	8.5 Shiley® Adult Flexible Evac Tracheostomy Tube

Some products or part numbers may not be available in all markets. Contact your local Cook Medical sales representative or Customer Support & Distribution for details.
1. Size and quantity of tracheostomy tube loading dilators will vary based on tray or set configurations.
2. Included only where listed.


COOK ®
SKIN LEVEL
38F
32F
1
5
4
9.0mm
8.5mm
8.0mm
LOADING DILATOR ONLY
NOT FOR CREATION OF STOMA
2
3
35CM
5CM

Weinmann-Multi

TRACHEOSTOMY EXCHANGE SET

The Weinmann-Multi Tracheostomy Exchange Set is intended for adult tracheostomy tube exchange.

Set components

1. Blue Rhino® G1-Multi Percutaneous Tracheostomy Dilator
2. Tracheostomy tube loading dilator
3. 8 Fr Cook® Airway Exchange Catheter
4. Luer Lock Rapi-Fit® Adapter
5. 15 mm Rapi-Fit® Adapter

Order Number	**Reference Part Number**	Loading Dilator(s) Diameter mm	Tracheostomy Tube Diameter mm
G57594	**C-PTIS-100-HC-EXCH-NA**	7.0, 7.5, 8.0, 8.5, 9.0	Not included

Some products or part numbers may not be available in all markets. Contact your local Cook Medical sales representative or Customer Support & Distribution for details.

The effectiveness of percutaneous tracheostomy

Published articles

Bowen CP, Whitney LR, Truwit JD, et al. Comparison of safety and cost of percutaneous versus surgical tracheostomy. *Am Surg.* 2001;67(1):54–60.

Cabrini L, Landoni G, Greco M, et al. Single dilator vs. guide wire dilating forceps tracheostomy: a meta-analysis of randomised trials. *Acta Anaesthesiol Scand.* 2014;58(2):135–142.

Cabrini L, Pintaudi M, Winterton D, et al. Choice of the appropriate tracheostomy technique. In: Servillo G, Pelosi P, eds. *Percutaneous Tracheostomy in Critically Ill Patients.* New York, NY: Springer;2016:67–78.

Cobean R, Beals M, Moss C, et al. Percutaneous dilatational tracheostomy: a safe, cost-effective bedside procedure. *Arch Surg.* 1996;131(3):265–271.

Delaney A, Bagshaw S, Nalos M. Percutaneous dilatational tracheostomy versus surgical tracheostomy in critically ill patients: a systematic review and meta-analysis. *Crit Care.* 2006;10(2):R55.

Freeman BD, Isabella K, Cobb JP, et al. A prospective, randomized study comparing percutaneous with surgical tracheostomy in critically ill patients. *Crit Care Med.* 2001;29(5):926–930.

Kluge S, Baumann HJ, Maier C, et al. Tracheostomy in the intensive care unit: a nationwide survey. *Anesth Analg.* 2008;107(5):1639–1643.

Kornblith LZ, Burlew CC, Moore EE, et al. One thousand bedside percutaneous tracheostomies in the surgical intensive care unit: time to change the gold standard. *J Am Coll Surg.* 2011;212(2):163–170.

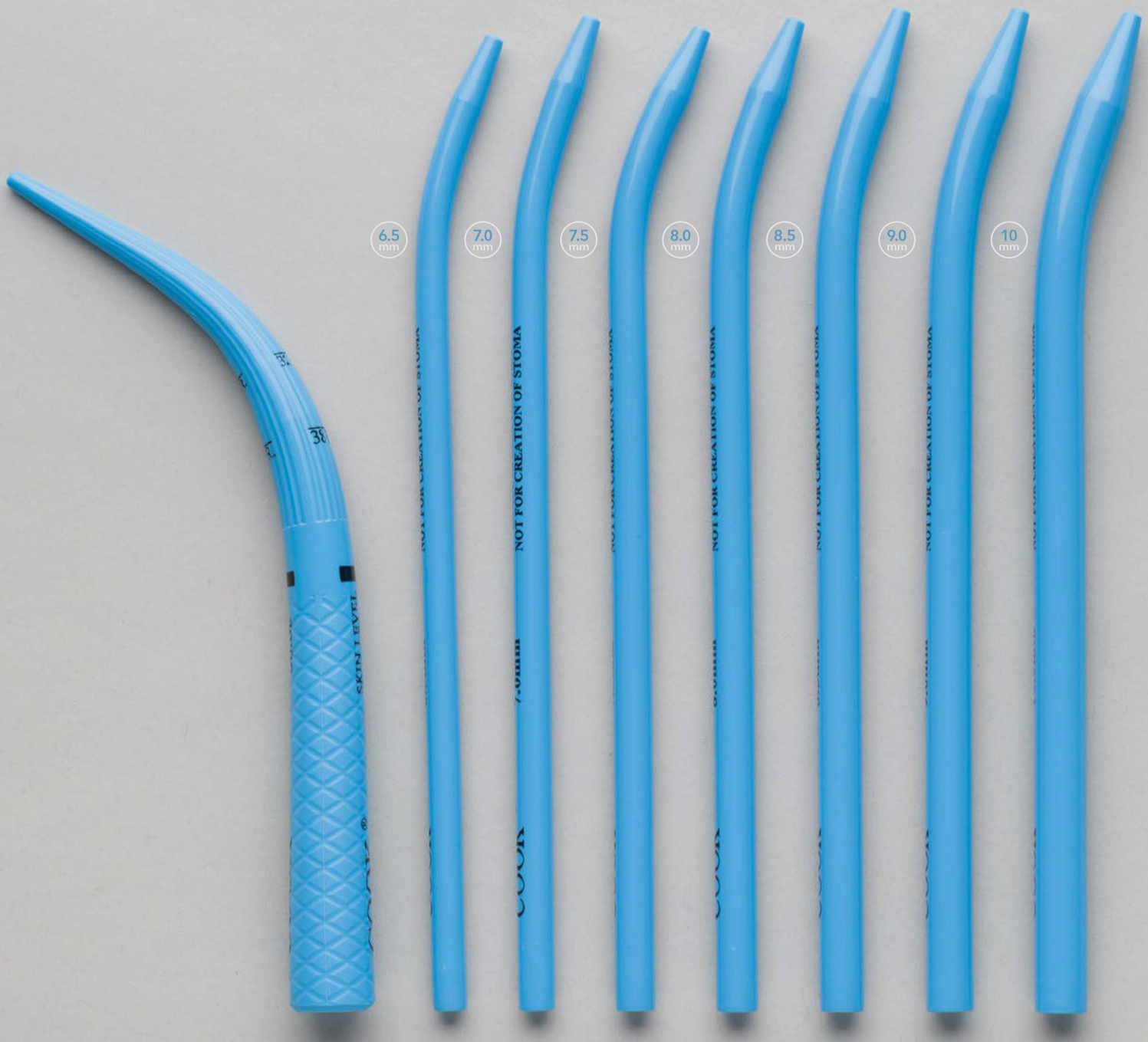
Marra A, Danzi M, Vargas D, et al. Tracheostomy in intensive care unit: the need of European guidelines. In: Servillo G, Pelosi P, eds. *Percutaneous Tracheostomy in Critically Ill Patients.* New York, NY: Springer; 2016:155–159.

Mehta C, Mehta Y. Percutaneous tracheostomy. *Ann Card Anaesth.* 2017;20(Suppl 1):S19–S25.

Newhouse E, Ondik MP, Carr M, et al. Who is performing percutaneous tracheotomies? Practive patterns of surgeons in the USA. *Eur Arch Otorhinolaryngol.* 2011;268(3):415–418.

Rashid AO, Islam S. Percutaneous tracheostomy: a comprehensive review. *J Thorac Dis.* 2017;9 (Suppl 10):S1128–S1138.

Vargas M, Servillo G, Arditi E, et al. Tracheostomy in intensive care unit: a national survey in Italy. *Minerva Anestesiol.* 2013;79(2):156–164.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NOT FOR CREATION OF STOMA

Digital resources

Scan the QR code with your mobile device's camera to view each resource.

Instructions for Use

Cookmedical.com/BlueRhinoMulti-IFU

Procedural video

Cookmedical.com/BlueRhinoMulti-Video

Customer Service

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