



LMA MADdy™

Paediatric malleable topical anaesthetic device. Targeted coverage of the nasal/oropharyngeal and hypopharyngeal mucosa. Single use designed to reduce cross contamination.



Malleable topical anaesthetic drug delivery device

LMA MADdy™ is a single-use atomization device. Its unique design has a flexible cannula with memory and a tip that atomizes drugs into a fine mist of particles 30-100 microns in size.¹

Atomization spray

The spray atomizes drugs into a fine mist of particles 30-100 microns in size.³

Blowfish

The Blowfish acts as a distracting agent to improve patient compliance.

Malleable stylet

360° flexibility of the stylet enables it to be adapted to an individual patient's anatomy,² ensuring the targeted delivery of medication.

“An ideal topical anesthetic should have rapid onset, adequate duration, and minimal or predictable systemic absorption, with the ability to be accurately administered.”

VHA Pharmacy Benefits Management Strategic Healthcare Group and the Medical Advisory Panel and the National Center for Patient Safety, 2006

Syringe

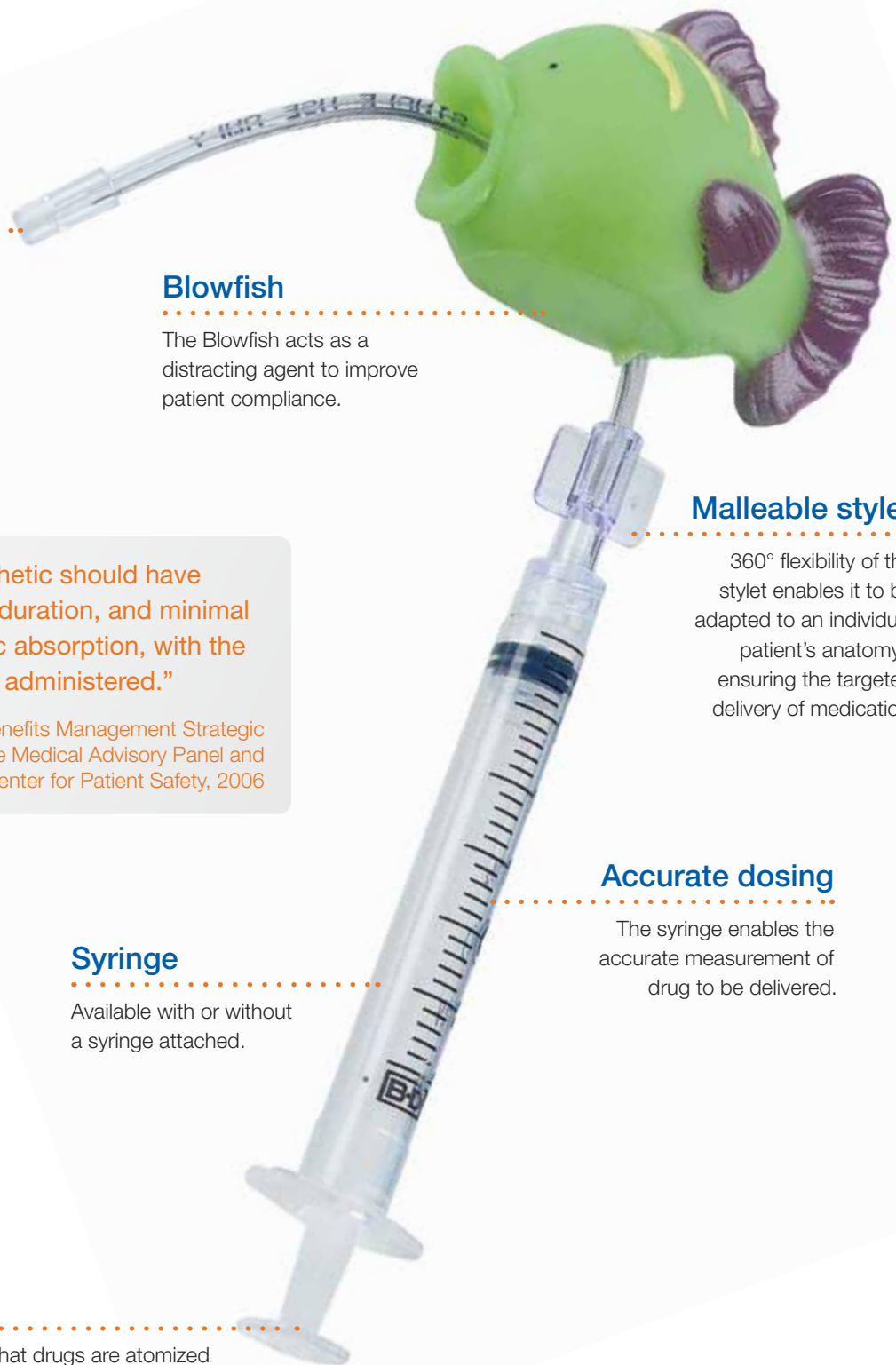
Available with or without a syringe attached.

Accurate dosing

The syringe enables the accurate measurement of drug to be delivered.

Pressure

High applied pressure ensures that drugs are atomized into a fine mist of particles through the tip of the device.



Benefits of topical anaesthetic delivered via LMA MADdy™

LMA MADdy™ is a device that has the ability to deliver atomized topical anaesthesia directly to the airway mucosa to suppress airway responses to stimulation and facilitate tracheal intubation.^{2,5,6,7} This may avoid the need to use neuromuscular blockers before intubation.

Topical anaesthetic delivered to the mucosal surface of the larynx may encourage greater haemodynamic stability and reduced airway stimulation in patients:^{6,7}

- ▶ Reduced heartrate vs pre-induction values⁶
- ▶ Reduced cardiovascular response⁷
- ▶ Easier intubation vs saline⁶
- ▶ Fewer attempts for successful insertion of a laryngeal mask⁸

Topical anaesthetic delivered via LMA MADdy™ has been shown to:⁴



An atraumatic device for the delivery of topical anaesthetic in paediatric patients

The use of LMA MADdy™ to deliver topical anaesthesia to the upper airway increases patient acceptance during difficult awake intubations.¹⁰ Topical anaesthesia can also reduce the risk of laryngospasm vs intravenous drug delivery.^{4,8}

Laryngospasms are three times more likely to occur in a paediatric patient than an adult.⁹

Utilising LMA MADdy™ to apply topical anaesthetic:

- ▶ May reduce coughing or gagging versus intravenous delivery of anaesthetic⁸
- ▶ Replaces the need to deliver anaesthetic via the cricothyroid ligament¹¹

27.6

Incidence of laryngospasm per 1000 paediatric patients⁹



8.6

Incidence of laryngospasm per 1000 adult patients⁹

Consider using LMA MADdy™ to deliver:

Topical anaesthesia for patients requiring:

- ▶ Awake intubation¹⁰
- ▶ Intubation of a difficult airway^{6,10}
- ▶ An anaesthetised airway^{2,6,7,8,12}
- ▶ Insertion of a laryngeal mask airway^{7,8}
- ▶ Nasogastric tube placement



LMA MADdy™: Specifications

	MAD900	MAD800
Typical particle size	30-100 microns	
Tip diameter	4.82 mm (0.19 inches)	
Tip length	11.4 cm (4.5 inches)	11.4 cm (4.5 inches)
System dead space	0.13 ml	0.19 ml

LMA MADdy™: Product specification

Product code	Quantity/ case	Description
MAD900	25	Paediatric sized mucosal atomization device for atomizing topical solutions without syringe.
MAD800	25	Paediatric sized mucosal atomization device for atomizing topical solutions with 3 ml syringe.

Find out more about LMA MADdy™



Clinical evidence

For the latest clinical evidence on LMA MADdy™ and LMA Atomization™, visit www.lmaco.com/evidence



For the latest educational videos and clinician testimonials on LMA MADdy™ and LMA Atomization™, visit www.youtube.com/LaryngealMaskAirway



For the latest news from LMA, like us on www.facebook.com/LMAInternational



For product information and access to product instructions for use, visit www.lmaco.com



For information on other products within the Teleflex product portfolio, visit www.teleflex.com



Distributed by:



30-0035 Rev. 02/14

Teleflex **LMA**
www.teleflex.com www.lmaco.com

Copyright © 2014 Teleflex Incorporated. All rights reserved. LMA, LMA Atomization, LMA Better by Design, LMA MADdy, LMA MAD, MAD and MADdy are trademarks or registered trademarks of Teleflex Incorporated or its affiliates. Wolfe-Tory Medical, Inc. is a wholly owned subsidiary of Teleflex Medical.

References:

1. Joshi N., Marjot R. *Anaesthesia* 2008; **63**: 1255-1267.
2. Xue F.S. et al. *BJA* 2007; **99** (6): 920-921.
3. Talon M. et al. *J Burn Care Res* 2009; **30**: 599-605.
4. VHA Pharmacy Benefits Management Strategic Healthcare Group and the Medical Advisory Panel and the National Center for Patient Safety, 2006.
5. Xue F.S. et al. *CJA* 2007; **54**: 949-958.
6. Bülow K. et al. *Acta Anaesthesiol Scand* 1996; **40**: 752-756.
7. Hamaya Y., Dohi S. *Anesthesiologist* 2000; **93**: 95-103.
8. Cook T.M. et al. *Anaesthesia* 1996; **51**: 787-790.
9. Olsson G.L., Hallen B. *Acta Anaesthesiol Scand* 1984; **28**: 567-575.
10. Xue F.S. et al. *Chin Med J* 2009; **122** (4): 408-415.
11. Difficult airway management at the department of anaesthesiology. URL: <http://faculty.washington.edu/pcolley/>
12. Denlinger J.K. et al. *Anesthesiology* 1974; **41** (4): 409-412.

For the complete list of LMA MADdy™ references, visit www.lmaco.com/lmamaddy

TELEFLEX HEADQUARTERS INTERNATIONAL, IRELAND
Teleflex Medical Europe Ltd., IDA Business and Technology Park,
Dublin Road, Athlone, Co Westmeath, Ireland
Phone +353 (0)9 06 46 08 00 Fax +353 (0)14 37 07 73
orders.intl@teleflex.com



Manufactured by:
Wolfe Tory Medical, Inc.
79 West 4500 South
Salt Lake City, Utah 84107



Consult IFU on this website:
www.LMACO.com



Printed on paper from
sustainable sources