

# SafeLM<sup>®</sup> Video Laryngeal Mask System

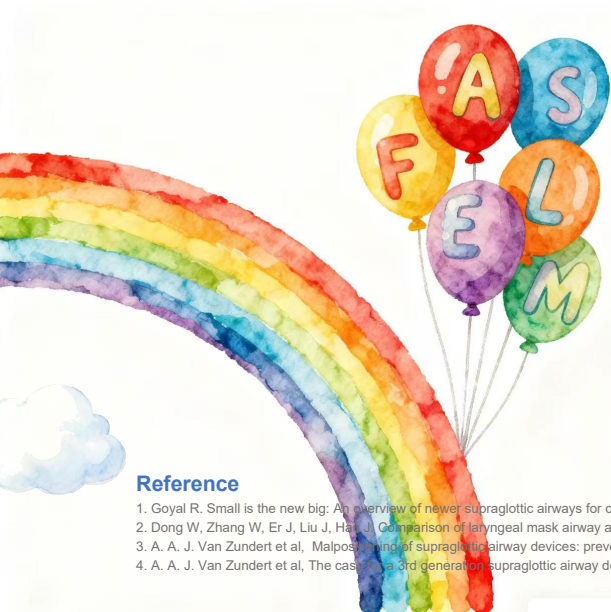
The First and Only Video Laryngeal Mask with an Adjustable Camera



## Why SafeLM<sup>®</sup>

Laryngeal masks (supraglottic airways, SGAs) have been widely used in pediatric airway management, both in spontaneously breathing patients and those requiring positive pressure ventilation.<sup>1</sup> Compared to endotracheal tubes (ETTs), SGAs have demonstrated higher first-attempt success rates and fewer respiratory complications in children.<sup>2</sup>

However, in clinical practice, concerns remain regarding air leakage, airway obstruction, device displacement, and the risk of aspiration. A study published in the British Journal of Anaesthesia identified a key contributing factor: **malpositioning, which occurs in 50–80% of blind laryngeal mask insertions.**<sup>3</sup> As a result, video-guided laryngeal masks are emerging as the next generation of SGAs - and a promising advancement in the future of airway management.<sup>4</sup>



Our Vision :

Minimizing Pediatric Intubation

Maximizing Airway Safety

### Reference

1. Goyal R. Small is the new big: An overview of newer supraglottic airways for children. Journal of Anaesthesiology Clinical Pharmacology 2015;31:440-449.
2. Dong W, Zhang W, Er J, Liu J, Han J. Comparison of laryngeal mask airway and endotracheal tube in general anesthesia in children. Exp Ther Med 2023;26:554.
3. A. A. J. Van Zundert et al. Malpositioning of supraglottic airway devices: preventive and corrective strategies British Journal of Anaesthesia 116 (5); 579–82 (2016)
4. A. A. J. Van Zundert et al. The case for a 3rd generation supraglottic airway device facilitating direct vision placement. Journal of Clinical Monitoring and Computing (2021) 35:217–224

# SafeLM<sup>®</sup> Video Laryngeal Mask System

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- ① Power
- ② Multifunction
- ③ Increase Value/Image Capture
- ④ Decrease Value/Mute
- ⑤ Return/Activate (Deactivate) Image Deviation Comparison

SafeLM<sup>®</sup> A8/B8 Videoscope

## Advantages of SafeLM<sup>®</sup> A8/B8 Videoscope

1. Real-time monitoring of airway secretions and mask position throughout the procedure
2. Image Deviation Comparison helps detect mask displacement or regurgitation
3. Expands SGA use to reduce unnecessary intubation
4. Video-guided intubation with continuous oxygenation for difficult airways
5. Video-assisted extubation for complex cases
6. Lowers drug costs, reduces complications, and supports faster recovery (ERAS)
7. Saves surgical time and boosts operating room efficiency and hospital performance
8. High OLP of up to 35–40 cmH<sub>2</sub>O

## Image Deviation Comparison Function

During the procedure, laryngeal mask displacement or regurgitation may cause deviations in the real-time image captured by the A8/B8 videoscope. This feature detects such deviations and provides alerts, assisting the operator in identifying mask misplacement or regurgitation promptly.

### Notification

Image Deviation Comparison function only serves assistive and notifying purposes. Users should set parameters and take appropriate measures complying with relevant safety guidelines and regulations base on clinical needs when using this function.

Video Laryngeal Mask Size	#2	#2.5	#3	#4	#5
Videoscope	B8			A8	
Patient Weight/Kg	10-20	20-30	30-50	50-70	70 -100
Recommended Cuff Vol./ml	10	14	20	30	40
Max. Cuff Vol./ml	15	21	30	45	60
Max. Endotracheal Tube Allowed ID/mm	N/A	N/A	6.5	7.0	7.0
Max. Orogastric Tube Allow/Fr.	10	10	14	14	14



Magill Medical Technology  
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