

Ambu® AuraGain™



Designed for direct intubation with standard ET tubes



AuraGain is fast becoming the safe choice for a wider range of procedures. The versatile array of integrated features, makes it a safe choice for routine as well as more advanced cases.

Use of the AuraGain in an everyday setting will inspire confidence and product familiarity for clinicians. This can be valuable in a difficult airway situation, because the clinician will have experience with the device – when it matters the most.



Soft inflatable cuff for high seal pressures

Technical Specifications and ordering information

Item no.	Size	Patient weight	Max inflation volume cuff	Max. intra-cuff pressure	Max. gastric tube	Max. ETT tube	Connector	Material
408100000	1	<5 kg	4 ml	60 cm H ₂ O	6 FR	3.5	15 mm	Phthalate-free PVC
408150000	1½	5-10 kg	7 ml	60 cm H ₂ O	8 FR	4.0	15 mm	Phthalate-free PVC
408200000	2	10-20 kg	10 ml	60 cm H ₂ O	10 FR	5.0	15 mm	Phthalate-free PVC
408250000	2½	20-30 kg	14 ml	60 cm H ₂ O	10 FR	5.5	15 mm	Phthalate-free PVC
408300000	3	30-50 kg	20 ml	60 cm H ₂ O	16 FR	6.5	15 mm	Phthalate-free PVC
408400000	4	50-70 kg	30 ml	60 cm H ₂ O	16 FR	7.5	15 mm	Phthalate-free PVC
408500000	5	70-100 kg	40 ml	60 cm H ₂ O	16 FR	8.0	15 mm	Phthalate-free PVC
408600000	6	>100 kg	50 ml	60 cm H ₂ O	16 FR	8.0	15 mm	Phthalate-free PVC

Disclaimer

The inclusion of the NAP₄ recommendations and Ambu products within this guide should not be taken as endorsement of Ambu's products by either the Royal College of Anaesthetists or the Difficult Airway Society. This guide is Ambu's own interpretation of how some of the NAP₄ recommendations can be partially or wholly implemented using Ambu's products or services. This is a guide only.

References:

- 1: 4th National Audit Project of the Royal College of Anaesthetists and the Difficult Airway Society: Major Complications of Airway Management in the United Kingdom. Report and findings: March 2011. Editors: Dr Tim Cook, Dr Nick Woodall and Dr Chris Frerk.
- 2: Data on file

Ambu's Guide to the National Audit Project (NAP₄) of major complications of Airway Management in the UK

A review of the recommendations for use of Supraglottic Airway Devices

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What is the NAP₄ project?

Comprehensive and extensive review of all reported major airway management complications occurring in the UK over a period of one year during anaesthesia in the emergency department and in the ICU.

As a result of the findings in NAP₄ a number of recommendations have been made. The relevant recommendations for 2nd generation SADs/SGAs have been reproduced within this guide along with indications of how Ambu can help you to adopt them.

NAP₄ recommendation on SAD/SGA training

"Laryngeal mask anaesthesia is a fundamental skill, required by all anaesthetists. The subject should be taught with the same attention to detail as tracheal intubation. This involves patient selection, indications and contraindications for use and practicalities such as insertion, confirmation of correct positioning, management during maintenance and removal."

How Ambu and AuraGain can help?

Ambu is dedicated to developing and bringing innovation to clinicians around the world. Along with our innovative and easy - to - use solutions, we offer training and hands -on experience, to support proficient and confident use of our devices.

NAP₄ recommendations on 2nd gen SAD/SGA over 1st gen

"All patients should have their risk of aspiration assessed and recorded before anaesthesia. The airway management strategy should be consistent with the identified risk of aspiration."

"In cases of either moderate obesity (lower compliance for ventilation) or a marginally increased risk of aspiration (low intermediate risk) where a decision is made that intubation is not necessary, there is more logic to using a second generation SAD, than a first generation device."

"If tracheal intubation is not considered to be indicated but there is some (small) increased concern about regurgitation risk a second generation supraglottic airway is a more logical choice than a first generation one."

"In patients considered to be at low - risk of aspiration who have other factors that mean that use of a SAD is at the limits of normality (e.g. patient position, access to the airway, patient size) consideration should be given to use of a second generation SAD."

How Ambu and AuraGain can help?

AuraGain is an advanced single-use 2nd generation SGA, developed with added safety features for patient safety.

Even for advanced cases at the limits of classical SGA indication, the AuraGain delivers effective safety solutions like increased oropharyngeal seal pressures up to 40 cm H₂O ⁽²⁾, and a gastric access channel for separate management of the airway and of stomach content. The gastric access solution features a low friction inner surface to facilitate easy placement of a gastric tube, to prevent gastric insufflation and for reduction of aspiration risk.

The full range of sizes of AuraGain, from #1 to #6 feature gastric access.

NAP₄ recommendations on SGA feature set

"Tracheal tube and SAD obstruction by the patient biting should be prevented by the insertion of a bite block, an oropharyngeal airway, or the use of SADs with an integral bite block."

How Ambu and AuraGain can help?

The AuraGain features special bite absorption area that prevents occlusion of the airway and enhances patient comfort.

Did you know?

The NAP₄ report documented that SGAs/SADs were used in around 56% of the total amount of general anaesthetics carried out in the UK. Only around 10% of the SGAs used were 2nd generation devices – in spite of the numerous benefits attributed to 2nd generation products.

NAP₄ recommendations on 2nd gen SAD/SGA availability

"The combination of improved sealing and the presence of a drain tube improves efficacy and creates functional separation of the gastrointestinal tract from the respiratory tract (like an artificial larynx). This is likely to improve safety (though this is very hard to prove) and several recent publications have suggested use of SAD s with effective drain tubes should become a 'standard of care'."

"In view of the above recommendations, and the frequency of these circumstances, it is recommended that all hospitals have second generation SADs available for both routine use and rescue airway management."

How Ambu and AuraGain can help?

The AuraGain sets a new level for safety and efficiency by integrating safety features like increased seal pressure, intubation capability and gastric access in a mask that is rapidly placed.

This means that the device can be used confidently in both routine and advanced cases, reducing the need for additional specialty devices.

NAP₄ recommendations on intubation through SAD/SGA

"All anaesthetists should be trained in low - skill rescue intubation through a supraglottic airway."

"Awake fiberoptic intubation or fiberoptic intubation through a SAD before surgery may offer a lower risk alternative to SAD use in cases of known difficulty with tracheal intubation."

"An attempt should be made to rescue the airway with a supraglottic airway device early in the management of CICV, before proceeding to an emergency surgical airway. The supraglottic airway devices used should be that most likely to be readily inserted and most likely to enable ventilation of the patient."

"Plans for difficult or failed intubation should be made before induction of anaesthesia and should include the use of different devices both for direct laryngoscopy (e.g. alternative blades) and airway rescue (e.g. supraglottic airway devices)"

"All anaesthetic departments should have an explicit policy for management of difficult or failed intubation (e.g. formal adoption of the Difficult Airway Society guidelines as departmental policy)"

How Ambu and AuraGain can help?

The overall design of AuraGain is developed to support routine cases as well as management of an expected or unexpected difficult airway.

- The mask features an anatomical curve for rapid and correct placement.
- The length as well as the inner diameter of the airway tube have been tailored to enable direct intubation through the device – with standard ET tubes up to size 8.0.
- The flattened backside of the cuff is designed with mask stability in mind, to increase mask stability and to prevent the AuraGain from rolling during bronchoscopy.
- The AuraGain also features navigation marks that work as landmarks for clinicians when introducing fiber - and videoscopes.

Supporting routine as well as advanced cases, the AuraGain is an obvious choice of 2nd generation SGA, reducing the need for specialty devices.