

# BLS ADULT I-GEL AIRWAY PROCEDURE

## Indications

When ventilation cannot be adequately maintained by BLS techniques

### Pre-procedure

- Open airway and pre-oxygenate with BVM for 1-3 min with 100% O<sub>2</sub>. Avoid hyperventilation in cardiac arrest
- Apply water soluble lubricant to the back, sides and front of the cuff. Ensure no lubricant remains in the bowl of the cuff
- Position the head into the “sniffing” position or neutral position if trauma is suspected
- Remove dentures before inserting tube



### Procedure

- With the cuff opening facing the patient’s chin, glide the device downwards and backwards along the hard palate with a continuous but gentle push until definitive resistance is felt. The incisor teeth should be resting on the integral bite block
- Attach bag-valve to i-gel airway
- Verify placement using all of the following
  - Rise and fall of chest
  - Bilateral breath sounds
  - Colorimetric ETCO<sub>2</sub> detection device
- Secure the tube with provided strap or commercial tube holder

### Equipment

- i-gel or i-gel O<sub>2</sub> airway device
- Water soluble lubricant
- Portable suction device
- Colorimetric ETCO<sub>2</sub> detection device
- Stethoscope

### i-gel Sizing

Size	Patient Size	Color	Patient weight
3	Small adult	Yellow	30-60kg
4	Medium adult	Green	50-90kg
5	Large adult	Orange	90+kg

### SPECIAL CONSIDERATIONS

- If there is any doubt about the proper placement of the i-gel airway, remove device; ventilate the patient with BVM for 30 seconds and repeat sequence of steps
- If unsuccessful on second attempt, resume BLS airway management
- If an excessive air leak during ventilation is noticed, use one or all of the following:
  - Hand ventilate the patient with gentle and slow squeezing of the reservoir bag
  - Limit estimated tidal volume to no more than 5ml/kg
  - If all of the above fail then change to one size larger i-gel

### Critical Information

- Contraindications:
  - Responsive patient with an intact gag reflex
  - Patient with known esophageal disease
  - Tracheal stoma
- Relative Contraindication:
  - Patients who have ingested caustic substances or have severe airway burns