**Title:** I-gel Supraglottic Airway (SGA)  
**Section:** Airway/Ventilatory Management  
**Approved:** EMS Medical Directors Consortium  
**Skill Level:** BLS

<table>
<thead>
<tr>
<th>Name:</th>
<th>Date:</th>
<th>Resource Hospital:</th>
<th>Training Site:</th>
<th>Evaluator:</th>
<th>Signature:</th>
</tr>
</thead>
</table>

**Actual Time Started:**

<table>
<thead>
<tr>
<th>Points Possible</th>
<th>Points Awarded</th>
</tr>
</thead>
</table>

**Prepare for Procedure:**
- ☐ Apply PPE: gloves, eye protection, facemask

**State Indications for Procedure:**
- ☐ Need for advanced airway in apneic patient without a gag reflex

**States Contraindications for Procedure:**
- ☐ Gag reflex
- ☐ Limited mouth opening
- ☐ Airway (larynx/pharynx) mass, abscess, trauma

**Prepare patient:**
- ☐ Sniffing position (maintain in-line stabilization for trauma)

**Preoxygenate patient:**
- ☐ Insert NPA or OPA
- ☐ Ventilates patient at 10-12/minute with adequate chest rise

**Prepare equipment:**
- ☐ Prepare suction device, suction catheter, i-gel device, ETCO2
- ☐ Select correct size of device (see chart below)
- ☐ Inspect packaging, expiration date, device

**Device Preparation (Adult/Pediatric):**
- ☐ Remove i-gel from protective cradle or cage package
- ☐ Place small amount of water-based lubricant on cradle or cage surface
- ☐ Grasp i-gel at integral bite block and lubricate back, sides, front of cuff
- ☐ Ensure no bolus of lubricant in cuff bowl or elsewhere on device

**Device Insertion:**
- ☐ Position device so the i-gel cuff outlet is facing chin of patient
- ☐ Gently press down on chin to open mouth
- ☐ Introduce soft tip into mouth of patient toward the hard palate
- ☐ Glide the device downward and backward along the hard palate with a continuous but gentle push until definitive resistance is felt

**Device Positioning:**
- ☐ Insert adult device (size 3, 4, 5) to horizontal line on integral bite block and insert pediatric device (size 1.5, 2, 2.5) until definitive resistance felt
- ☐ Do not apply excessive force
- ☐ If early resistance during insertion, perform jaw thrust or rotate device

**Confirm Tube Placement:**
- ☐ Ventilate patient and auscultate bilateral breath sounds
- ☐ Monitor ETCO2 with waveform capnography

**Secure Device:**
- ☐ Attach support strap to integral ring hook OR tape maxilla to maxilla
REGION 11
CHICAGO EMS SYSTEM
SKILLS

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**Suction Gastric Channel:**
- □ Determine proper size of suction catheter based on chart
- □ Apply water based lubricant to catheter and gastric channel
- □ Advance tube with suction to optimize cuff seal and reduce aspiration
- □ Contraindications: upper GI bleed or esophageal trauma

**Reassess:**
- □ Repeat vital signs

**Troubleshooting for air leak:**
- □ May be over ventilation. Ensure slow and gentle squeezing of BVM and limit tidal volume to no more than 5 ml/kg
- □ May be malposition. Advance tube, pull back and reseat, or remove and insert larger size

**Complications:**
- □ Laryngospasm
- □ Trauma to airway structures (pharynx/larynx)
- □ Gastric regurgitation or aspiration

**Critical Criteria:**
- __ Failure to take or verbalize personal protective equipment
- __ Failure to preoxygenate the patient prior to insertion of device
- __ Failure to ventilate the patient to the correct rate or interruption (>30 sec) in ventilation
- __ Failure to insert supraglottic airway device to proper depth or location after 2 attempts
- __ Failure to confirm proper tube placement
- __ Failure to use ETCO2
- __ Failure to manage the patient as a minimally competent EMT or Paramedic
- __ Exhibits inappropriate affect with patient or other personnel
- __ Uses or orders a dangerous or inappropriate intervention
- __ Failure to achieve a score of 26 or greater

**Successful** □ **Unsuccessful**

**I-gel Size Chart**

<table>
<thead>
<tr>
<th>Color</th>
<th>I-gel size</th>
<th>Patient size</th>
<th>Patient weight (kg)</th>
<th>Patient weight (lbs)</th>
<th>Suction catheter size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td>1.5</td>
<td>Infant</td>
<td>5-12 kg</td>
<td>11-25 lbs</td>
<td>10 F</td>
</tr>
<tr>
<td>Grey</td>
<td>2.0</td>
<td>Small pediatric</td>
<td>10-25 kg</td>
<td>22-55 lbs</td>
<td>12 F</td>
</tr>
<tr>
<td>White</td>
<td>2.5</td>
<td>Large pediatric</td>
<td>25-35 kg</td>
<td>55-77 lbs</td>
<td>12 F</td>
</tr>
<tr>
<td>Yellow</td>
<td>3.0</td>
<td>Small adult</td>
<td>30-60 kg</td>
<td>65-130 lbs</td>
<td>12 F</td>
</tr>
<tr>
<td>Green</td>
<td>4.0</td>
<td>Medium adult</td>
<td>50-90 kg</td>
<td>110-200 lbs</td>
<td>12 F</td>
</tr>
<tr>
<td>Orange</td>
<td>5.0</td>
<td>Large adult</td>
<td>90+ kg</td>
<td>200+ lbs</td>
<td>14 F</td>
</tr>
</tbody>
</table>