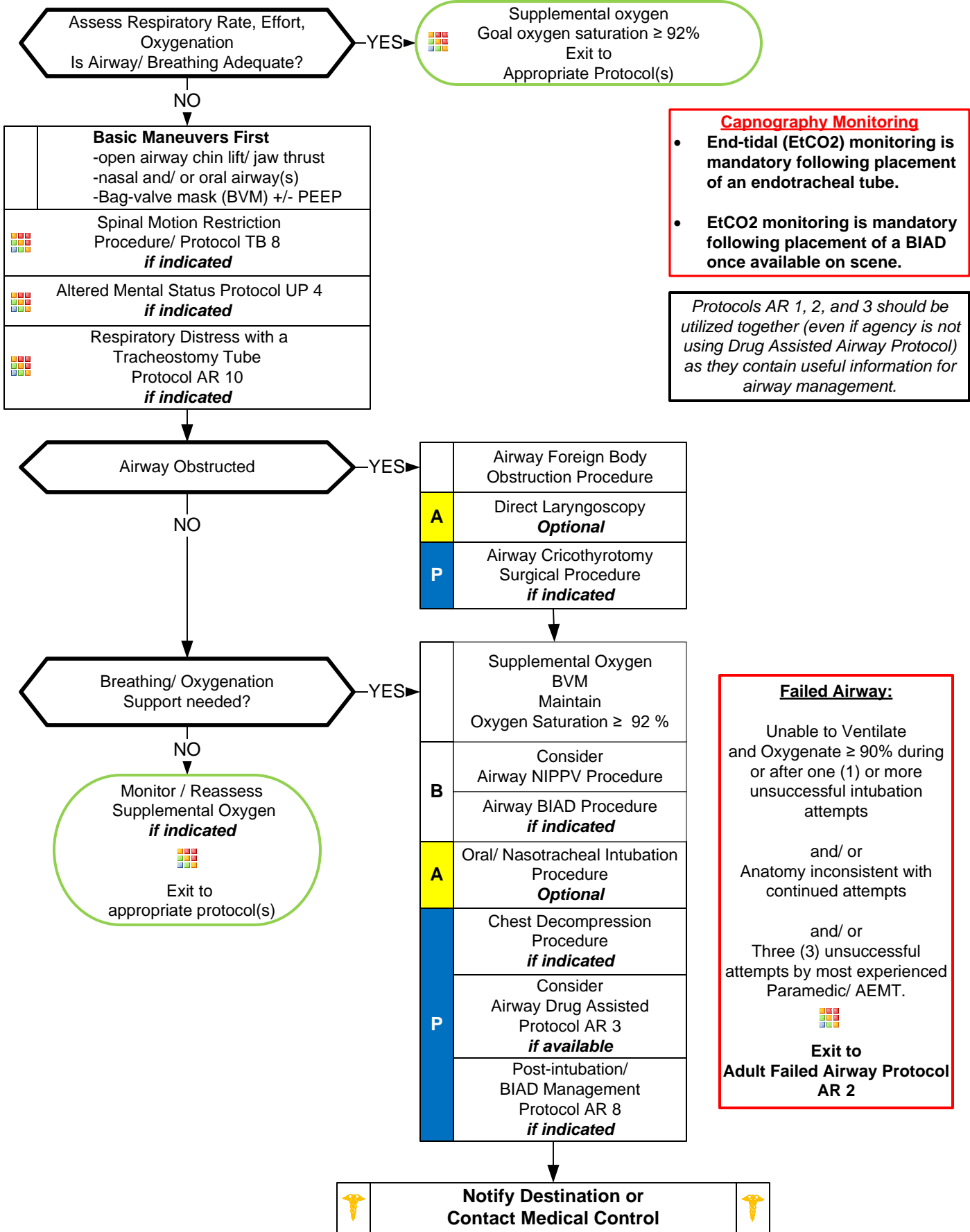




Adult Airway





Adult Airway

Pearls

- See Pearls section of protocols AR 2 and 3.
- For the purposes of this protocol a secure airway is when the patient is receiving appropriate oxygenation and ventilation.
- If an effective airway is being maintained by BVM with continuous pulse oximetry values of $\geq 90\%$, it is acceptable to continue with basic airway measures.
- Ventilation rate should be 10 - 12 per minute to maintain a EtCO₂ of 35 – 45 and avoid hyperventilation.
- **Anticipating the Difficult Airway and Airway Assessment**
 - **Difficult BVM Ventilation (ROMAN):** Radiation treatment/ Restriction; **Obese/ Obstruction/ OB** – 2d and 3d trimesters/ Obstructive sleep apnea; Mask seal difficulty (hair, secretions, trauma); Age ≥ 55 ; No teeth.
 - **Difficult Laryngoscopy (LEON):** Look externally for anatomical problems; Evaluate 3-3-2 (Mouth opening should equal 3 of patients finger's width, mental area to neck should equal 3 of patient's finger's width, base of chin to thyroid prominence should equal 2 of patients finger's width); **Obese, obstruction, OB** – 2d and 3d trimesters; Neck mobility limited.
 - **Difficulty BIAD (RODS):** Radiation treatment/ Restriction; **Obese/ Obstruction/ OB** – 2d and 3d trimesters/ Obstructive sleep apnea; **Distorted or disrupted airway; Short thyromental distance/ Small mandible.**
 - **Difficulty Cricothyrotomy / Surgical Airway (SMART):** Surgery scars; Mass or hematoma, Access or anatomical problems; Radiation treatment to face, neck, or chest; Tumor.
- Complete an Airway Evaluation Form with any BIAD or Intubation procedure where medications are used to facilitate.
- **Nasotracheal intubation:**
 - Procedure requires spontaneous breathing and may require considerable time, exposing patient to critical desaturation.
 - Contraindicated in combative, anatomically disrupted or distorted airways, increased ICP, severe facial trauma, basal skull fracture, and head injury. Orotracheal route is preferred.
- Intubation attempt defined as laryngoscope blade passing the teeth or endotracheal tube passed into the nostril.
- If First intubation attempt fails, make an adjustment and try again: (Consider change of provider in addition to equipment).
- AEMT and Paramedics should consider using a BIAD if oral-tracheal intubation is unsuccessful.
- During intubation attempts use External Laryngeal Manipulation to improve view of glottis.
- Gastric tube placement should be considered in all intubated patients if available or time allows.
- It is important to secure the endotracheal tube well to better maintain ETT placement. Manual stabilization of endotracheal tube should be used during all patient moves / transfers.
- **DOPE:** Displaced tracheostomy tube / ETT, **O**bstructed tracheostomy tube / ETT, **P**neumothorax and **E**quipment failure.