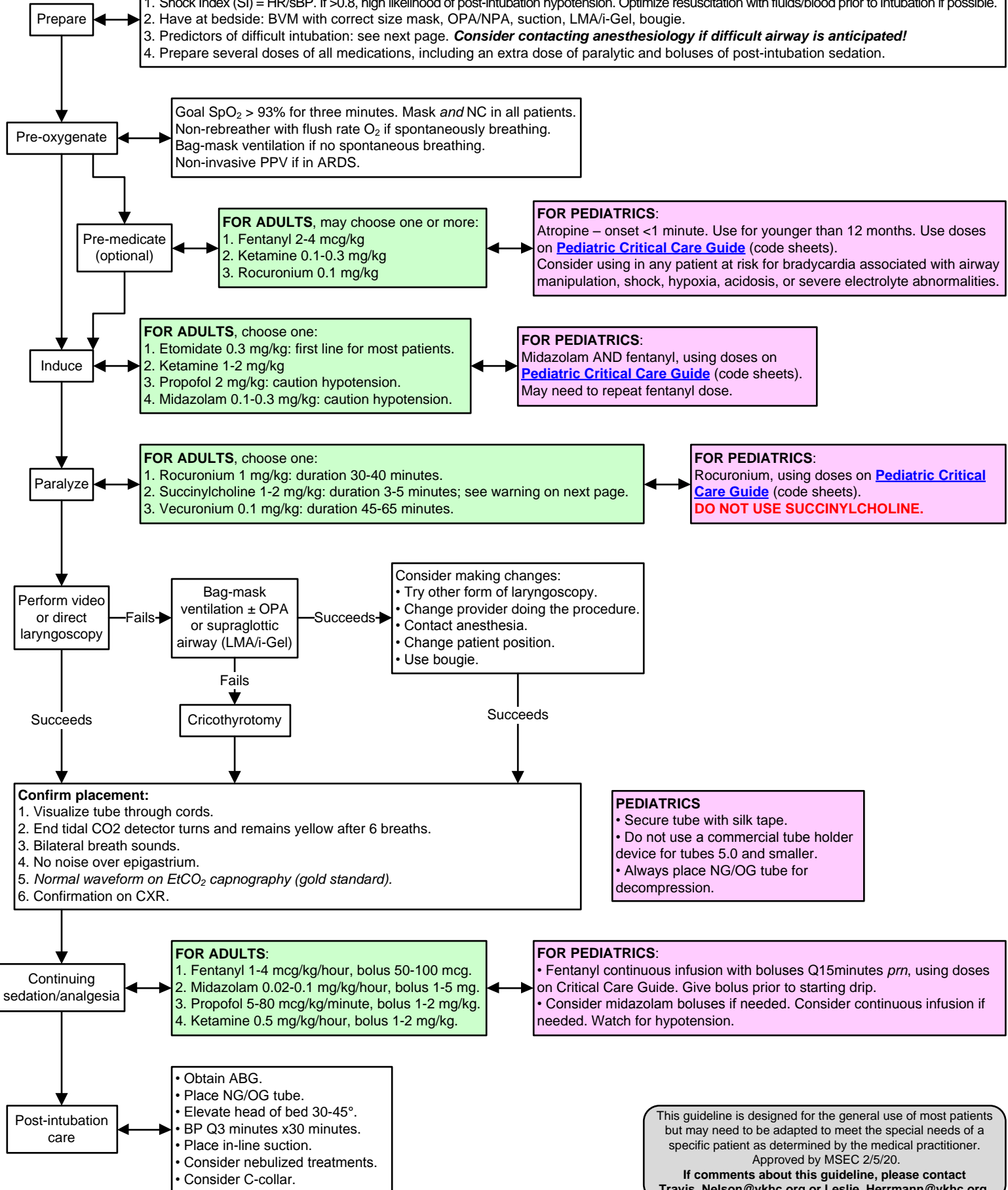




Predict difficult airway and post-intubation hypotension:

1. Shock Index (SI) = HR/sBP. If >0.8, high likelihood of post-intubation hypotension. Optimize resuscitation with fluids/blood prior to intubation if possible.
2. Have at bedside: BVM with correct size mask, OPA/NPA, suction, LMA/i-Gel, bougie.
3. Predictors of difficult intubation: see next page. **Consider contacting anesthesiology if difficult airway is anticipated!**
4. Prepare several doses of all medications, including an extra dose of paralytic and boluses of post-intubation sedation.



This guideline is designed for the general use of most patients but may need to be adapted to meet the special needs of a specific patient as determined by the medical practitioner.
Approved by MSEC 2/5/20.
If comments about this guideline, please contact
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Supplement I: Predictors of Difficult Intubation

Predictors of Difficult Intubation

- Mallampati grade 3 or 4
- Cormack & Lehane grade 3 or 4
- Wilson score of > 2
- LEMON system; objective/subjective scoring

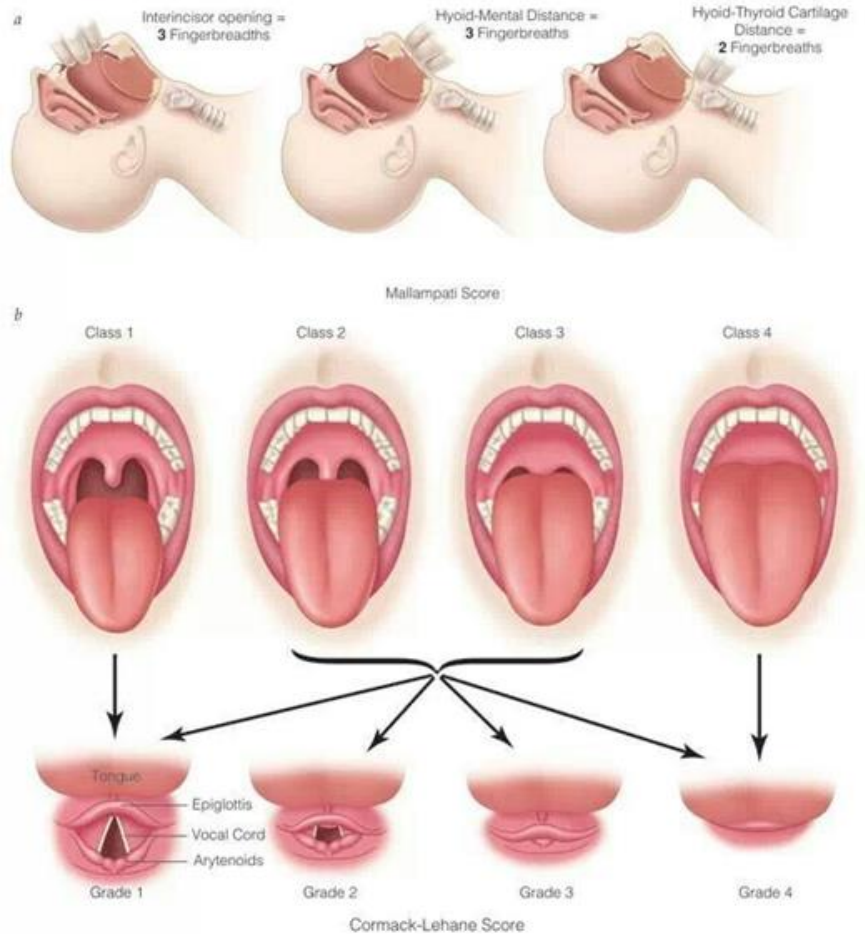
Wilson Score

	0	1	2
Weight (kg)	< 90	90-110	> 110
Head and neck movement	> 90°	~ 90°	< 90°
• Inter-incisor gap (cm) • SL (maximum forward protrusion of lower incisors beyond uppers)	> 5 > 0	= 5 = 0	< 5 < 0
Receding mandible	None	Moderate	Severe
Buck teeth	None	Moderate	Severe

LEMON System

L	Look: trauma, large tongue
E	Evaluate 3:3:2 rule.
M	Mallampati score ≥ 3
O	Obstruction
N	Neck mobility (limited)

Helpful Resource: [the Difficult Airway App](#)



Supplement II: Use of Succinylcholine

Absolute contraindications:

Family / personal history of malignant hyperthermia
Hyperkalemia; if unknown K, obtain EKG for peaked T's
Upper motor neuron injury, denervating neuromuscular disease
Use after acute phase of burns, major trauma, crush injury

Relative contraindications:

Elevated ICP
Pseudocholinesterase deficiency

Treatment of malignant hyperthermia:

Dantrolene 2.5 mg/kg IV, redosing based on expert guidance



ARDS/Protective Ventilation Protocol (appropriate for most patients without indication for alternate ventilation):

Initial Ventilator Settings:

- (1) Set Tidal volume (Vt) = 6-8 mL/kg using Ideal Body Weight. See [MDCalc Tidal Volume Calculator](#).
- (2) Reduce Vt by 1 mL/kg every 1-2 hours until Vt 6 mL/kg.
- (3) Set initial rate to 18-35 bpm based on pre-intubation rate.
Obstructive lung disease: Consider lower RR to maximize expiratory phase.
- (4) Set initial PEEP at 5 cm H₂O.
 - If BMI > 30, set PEEP to 8 cm H₂O.
 - If BMI > 40, set PEEP to 10 cm H₂O.
- (5) Set initial FiO₂ at 30-40%; adjust to SpO₂ 88-95%.
- (6) Set inspiratory flow rate 60-80 lpm.
Obstructive lung disease: Consider inspiratory flow rate 80-100 lpm

Adjust settings based on patient status, blood gases, CXR, and expert consultation.

Oxygenation goal: PaO₂ 55-80 mmHg or SpO₂ 88-95%.

Use a minimum PEEP of 5 cm H₂O. Consider use of incremental FiO₂/PEEP combinations such as shown below (not required) to achieve goal.

For all modes of ventilation:

- Initial vent setting are based on patient presentation.
- Vent settings are adjusted based on patient tolerance of mechanical ventilation and ABG results.
- Obtain ABG prior to intubation, 30 minutes following intubation, and 30 minutes after vent changes.
- Goal plateau pressure < 30 cm H₂O; decrease Tv to lower PP.
Obese patients may require higher plateau pressure
- Target pH > 7.30; increase RR to control hypercapnia.
- Avoid intubation if possible in patients with obstructive lung disease; maximize use of NIPPV.

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Approved by MSEC 2/5/20.

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