

CLASS: A

PROTOCOL(S) USED IN: All when indicated

PHARMACOLOGY AND ACTIONS:

Raises the amount of oxygen in the blood and the amount delivered to the tissues.

INDICATIONS:

- A. Hypoxia or respiratory distress from any cause.
- B. Shock from any cause
- C. Carbon monoxide poisoning
- D. Pre-oxygenation for RSI

SIDE EFFECTS AND NOTES:

- A. Patient should be breathing adequately on their own, if not, assist with BVM.
- B. Oxygen supports combustion, use caution.
- C. Except in cases of severe respiratory distress, shock, carbon monoxide poisoning, or pre-oxygenation target SpO₂ >92%. Ubiquitous usage of supplemental oxygen is otherwise generally unnecessary and has been associated with development of free radicals and patient harm.

OXYGEN THERAPY			
Method	Device	Flow Rate	O ₂ % Inspired Air
Low Flow	Nasal Cannula	1-2 lpm	25-28%
Moderate Flow	Nasal Cannula	6 lpm	50-60%
High Flow	Non-rebreather mask	10-25 lpm	90+%