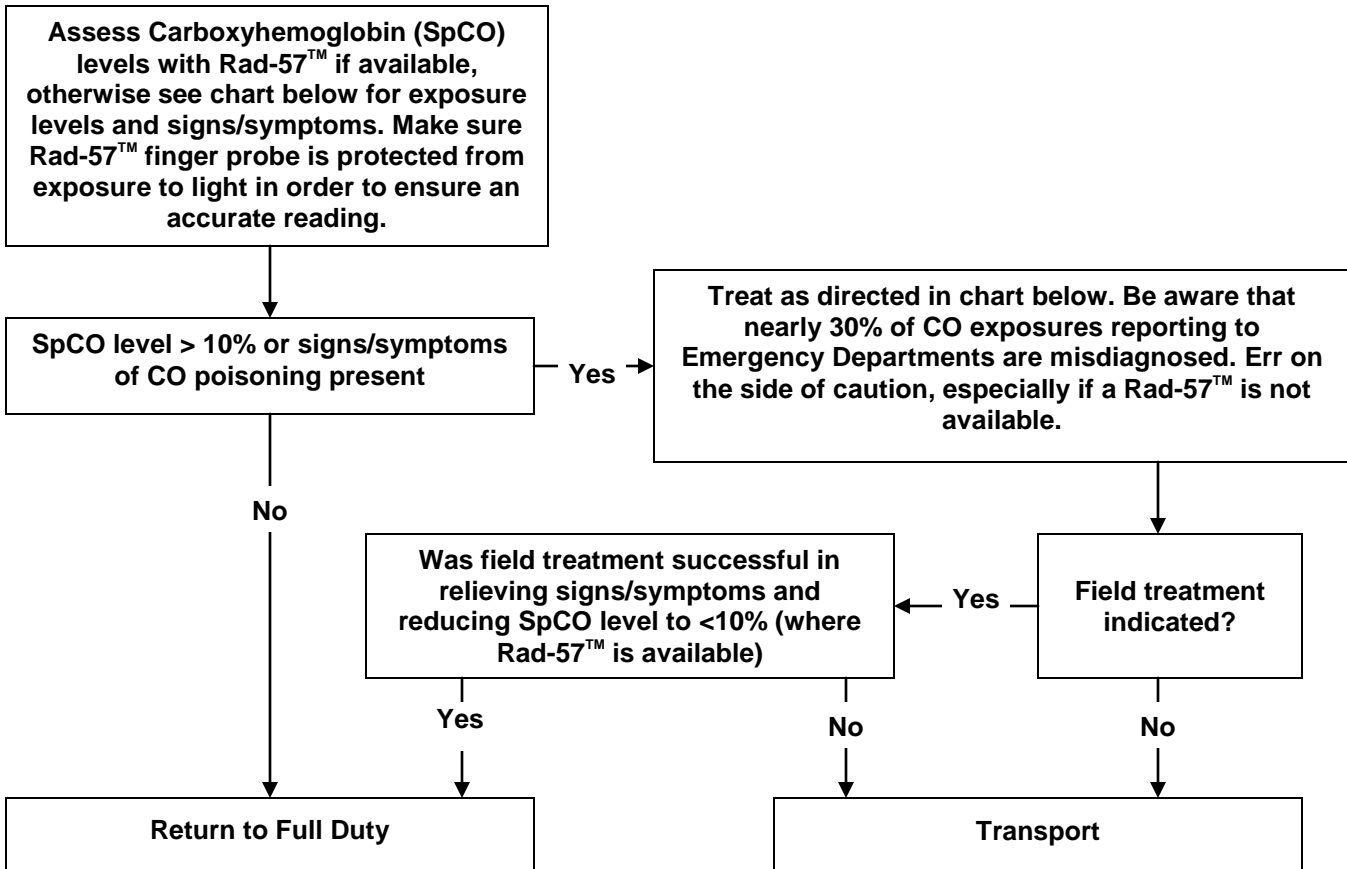




MABAS DIVISION 124

CARBON MONOXIDE EXPOSURE PROTOCOL



Carbon Monoxide Levels / Signs & Symptoms / Treatments		
Level	Signs & Symptoms	Treatment
0-5%	None	Acceptable level for release from rehab (normal level)
5-10%	None	Consider high flow O2 until <5% (normal level in smokers)
10-15%	Slight Headache, SOB	Abnormal - Assess symptoms, consider high flow O2 – Consider transport
15-20%	Headache, SOB	Significantly abnormal – Treatment necessary – Consider transport
20-25%	Headache and Nausea	Significantly abnormal – Treatment necessary – Transport
25-30%	Drowsy	Significantly abnormal – Treatment necessary – Transport
30-35%	Vomiting	Significantly abnormal – Treatment necessary – Transport
35-40%	Collapse	Significantly abnormal – Treatment necessary – Transport
40-45%	Coma – Brain Damage	Significantly abnormal – Treatment necessary – Transport
>45%	Brain Damage - Death	Significantly abnormal – Treatment necessary – Transport

Carbon Monoxide Facts

- **Half-life:** The amount of time required to reduce the blood level of CO by 50%. Age and health will impact the half-life of CO.
- **Breathing Room Air:** CO half-life in blood is 4-6 hours
- **High Flow Oxygen via Non-Rebreather Mask:** CO half-life 40-60 minutes
- **Hyperbaric Oxygen Treatment (HBOT):** CO half-life 20 -24 minutes