



**CARBON MONOXIDE EVALUATION - ADULT/ADOLESCENT**

Revised: \_\_\_\_\_

**FS-ARN STANDING ORDERS:**

1. For use on fire-fighting personnel for CO evaluation.
2. Suggested use criteria for operations include:
  - Post-incident fire-fighting personnel screening on all fires.
  - Firefighter rehabilitation in accordance to NFPA 1584.
  - Extended time on or near fire-ground.
  - Multiple SCBA bottle use.
  - Suspected carbon monoxide exposure from work performed in confined spaces.
  - Carbon monoxide alarms/gas leaks without symptoms in conjunction with gas detectors to determine presence and exposure.
  - Multi-fire-fighting personnel presentation.
  - Headache, dizziness, syncope, weakness, altered mental status, and/or lethargy.
  - Shortness of breath, chest pain.
  - Nausea, vomiting, abdominal complaints.
  - Any ill or injured fire-fighting personnel with vague complaints.
3. Fire-fighting personnel on-scene will be evaluated if history of potential CO exposure and is symptomatic (as described above). If the individual remains symptomatic or SpCO remains >11 after 30 minutes, a PCR will be generated.
4. Apply CO monitor probe per manufacture's recommendation.
5. Treat all symptomatic fire-fighting personnel with 100% oxygen.
6. Transport decisions are based on SpCO levels and symptoms as noted below. Victims will be transported with 100% oxygen and ALS escort.

**NOTES**

For use during rehabilitation regardless of whether known or unknown exposure. The following guidelines will be used for interpretation and treatment based on SpCO levels:

- 0 - 5% - No treatment required.
- 6 - 15% - Signs and symptoms with history of exposure - treat with 100% oxygen for 15 – 30 minutes. Reassess every 15 minutes until SpCO  $\leq$  10 and asymptomatic. Transport if symptoms remain after 30 minutes or any signs of distress.
- 16 - 29% – Treat with 100% oxygen for 15 – 30 minutes. Reassess every 15 minutes until SpCO  $\leq$  10 and asymptomatic. Generate a PCR and transport if any symptoms or signs of distress after 30 minutes.
- $\geq$  30%, altered mental status, or pregnant – Treat with 100% oxygen, immediate transport with Base Contact.

Approved:

Review Dates:  
Final Date for Implementation: 04/01/2017  
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