EMT STANDING ORDERS- ADULT & PEDIATRIC

- Routine Patient Care.
- Move victim to a cool area and shield from the sun or any external heat source.
- Remove as much clothing as is practical and loosen any restrictive garments.
- If alert and oriented, give small sips of cool liquids.
- Monitor and record vital signs and level of consciousness.
- Obtain temperature rectal temperature preferred as appropriate.
- If temperature is 40°C (>104°F) or if altered mental status is present, begin active cooling by:
 - Continually misting the exposed skin with tepid water while fanning the patient (most effective).
 - Truncal ice packs and wet towels/sheets may be used, but are less effective than evaporation.
 - Discontinue active cooling when the patient reaches 38.5°C (101.5°F), or if shivering occurs and cannot be managed by paramedics (see below).

ADVANCED EMT STANDING ORDERS – ADULT & PEDIATRIC

A

- ADULT: Consider 500ml 0.9% NaCl IV fluid bolus for dehydration even if vital signs are normal.
- PEDIATRIC: Consider 10 20ml/kg 0.9% NaCl IV fluid bolus for dehydration even if vital signs are normal.

PARAMEDIC STANDING ORDERS- ADULT

If uncontrolled shivering occurs during cooling:



- Midazolam 2.5mg IV/IN, may repeat once in 5 minutes or; 5mg IM may repeat once in 10 minutes OR
- Lorazepam 1mg IV, may repeat once in 5 minutes or; 2mg IM, may repeat once in 10 minutes OR
- Diazepam 2mg IV, may repeat once in 5 minutes

PARAMEDIC STANDING ORDERS- PEDIATRIC



- If uncontrolled shivering occurs during cooling:
 - Midazolam 0.1mg/kg IV/IM or 0.2mg/kg IN (single maximum dose 1mg);
 Note: a 5mg/ml concentration is recommended for IN administration), OR
 - Lorazepam 0.1mg/kg IV/IM (single maximum dose 1mg), OR
 - Diazepam 0.2mg/kg IV or 0.5mg/kg rectal (single maximum dose 2mg IV or 4mg rectal)

PEARLS:

- Exertional hyperthermic patients may be significantly dehydrated, and may require repeat fluid boluses.
- Immersion cooling is the most effective method to lower core body temperature if proper resources are available.

Hyperthermia:

Elevated temperature may be due to environmental exposure, pharmacologic agents, or excited/ agitated delirium (see <u>Behavioral Emergencies 2.5</u>). Mortality and morbidity are directly related to the length of time the victim is subject to the heat stress.

Medical Protocol