Approved 9/04/24, Effective 1/15/25, replaces all prior versions

11C - ELECTRICAL/LIGHTNING INJURY ADULT & PEDIATRIC

TREATMENT PRIORITIES

1. Personal safety
2. Patient safety
3. Oxygenation/Ventilation
4. Chest compressions and defibrillation (when applicable)
5. Vital signs
6. Red/Priority 1 patient, even in setting of MCI

EMERGENCY MEDICAL DISPATCHER
EMERGENCY MEDICAL RESPONDER
EMT
EMT-INTERMEDIATE 85
ADVANCED EMT
PARAMEDIC

EMD

SEND FOR AED IF AVAILABLE FOR UNCONSCIOUS PATIENT
BEWARE OF ELECTRICAL RISKS AND ELECTRIFIED WATER
TURN – OFF ELECTRICAL POWER IF SAFELY CAPABLE
ATTEMPT RESCUE ONLY IF SAFELY CAPABLE
CPR BY EMD INSTRUCTION IF INDICATED

EMR / EMT

MAINTAIN PERSONAL AND PATIENT SAFETY
STOP BURNING PROCESS
GENERAL SUPPORTIVE CARE/CARDIOPULMONARY RESUSCITATION PER APPLICABLE PROTOCOLS
OBTAIN VITAL SIGNS
O_2 VIA NC, NRB, OR BVM AS APPROPRIATE
APPLY CARDIAC MONITOR/OBTAIN 12-LEAD ECG (if equipped)
TRANSMIT 12-LEAD ECG TO RECEIVING EMERGENCY DEPARTMENT
COVER BURNED AREA WITH BURN DRESSING (if equipped) THEN APPLY DRY SHEET

EMT OR HIGHER LICENSE:
MEASURE END – TIDAL CO_2 & MONITOR WAVEFORM CAPNOGRAPHY (if equipped, ** Mandatory use if pt intubated)
PLACE SUPRAGLOTTIC AIRWAY IF INDICATED & ONLY IF BVM VENTILATIONS INEFFECTIVE

EMT-I85 / AEMT

ADULT: INTUBATE IF INDICATED

IV ACCESS
ADULT: IV NS TKO; FOR MAJOR THERMAL BURNS, 250 mL BOLUS IF NO SIGNS OF PULMONARY EDEMA
PEDIATRIC: IV NS TKO; FOR MAJOR THERMAL BURNS, 20 mL/kg BOLUS IF NO SIGNS OF PULMONARY EDEMA

PARAMEDIC

TREAT CARDIAC ARREST AND SPECIFIC RHYTHM MANAGEMENT PER APPLICABLE PROTOCOL(S)

ADULT: MEDICATION ASSISTED INTUBATION IF INDICATED

ANALGESIA IF REQUIRED
FOR OPIATE USE, ADULT MUST HAVE SYS BP ≥ 100 mmHg; PEDIATRIC MUST HAVE SYS BP ≥ (70 + 2x age in years) mmHg

FENTANYL 1 mcg/kg SLOW IVP/IM/IN, MAXIMUM DOSE 100 mcg. MAY REPEAT EVERY 10 MINUTES TO MAXIMUM CUMULATIVE DOSE OF 3 mcg/kg or 250 mcg WHICHEVER IS LESSER.
OR
MORPHINE SULFATE 2 - 4 mg SLOW IVP, MAY REPEAT 2 - 4 mg EVERY 5 MINUTES TO A TOTAL OF 10 mg.
OR
HYDROMORPHONE 0.5 - 1 mg SLOW IVP .
MAY REPEAT EVERY 10 MINUTES TO MAXIMUM CUMULATIVE DOSE OF 2 mg.

OLMCP CONSULT IF FURTHER ANALGESIA REQUIRED

CONTINUOUS ASSESSMENT & TREATMENT PER APPLICABLE PROTOCOL(S)