



Cardiac Arrest Management

FIELD TREATMENT GUIDELINE C-01

INDICATION	<ul style="list-style-type: none">• Management of adult non-traumatic cardiac arrest resuscitation.
BLS	<ul style="list-style-type: none">• Follow General Medical Care M-01.• Begin CPR:<ul style="list-style-type: none">• Push hard (at least 2”) and fast (100 – 120/minute) and allow for full recoil of the chest.<ul style="list-style-type: none">▪ Efforts should be directed at high-quality and continuous chest compressions with limited interruptions and early defibrillation when defibrillation is indicated.▪ Team performance of CPR is the standard of care for cardiac arrest.• Use the cardiac monitor metronome until a mechanical chest compression device is available and placed on the patient.• Apply a non-rebreather mask with 15L of oxygen for the first three cycles (first six [6] minutes) of compressions.<ul style="list-style-type: none">• After the first three cycles of compressions replace the non-rebreather mask with a Bag Valve Mask and begin ventilations initiating Airway/Respiratory Management M-20.• Initiate use of an Automated External Defibrillator (AED) or cardiac monitor. Provide defibrillation per AED or paramedic interpretation of heart rhythm and appropriate Treatment Guideline(s).<ul style="list-style-type: none">• LP15 cardiac monitors should be placed in “Paddles” mode for duration of cardiac arrest.• If indicated, initiate use of Mechanical Chest Compression BP-02.• If patient regains return of spontaneous circulation (ROSC):<ul style="list-style-type: none">• 12-Lead ECG BP-03.• Maintain an open airway and administer oxygen to maintain oxygen saturation per General Medical Care M-01.• Transport to a STEMI receiving facility.• If re-arrest occurs during transport, resume high-quality CPR/resuscitation.

ALS	<p>If indicated:</p> <ul style="list-style-type: none"> • Perform necessary ALS Interventions: <ul style="list-style-type: none"> • Endotracheal Intubation AP-01: <ul style="list-style-type: none"> ▪ In the presence of a patent BLS airway, do not intubate unless able to do so without interrupting chest compressions. ▪ Once patient is placed on mechanical compression device, consider intubation. ▪ Utilize Supraglottic Airway Device AP-02 or BLS airway if endotracheal intubation is not successful. • Waveform Capnography AP-12. <ul style="list-style-type: none"> ▪ Capturing ETCO2 at first breath is the standard of care. Maintain throughout arrest. • Initiate intravenous therapy and/or Intraosseous Infusion AP-08. • Administer medications in accordance with the specified Field Treatment Guideline. • Fluid Challenge AP-09. • Transport to the nearest appropriate treatment facility as defined in Napa County EMS Agency Administrative Policy 501, Patient Destination. • Notification to the receiving facility should occur as early as possible.
KEY CONCEPTS	<ul style="list-style-type: none"> • EMS personnel should not transport patients by ambulance where resuscitative efforts have been discontinued. • EMS personnel should initiate rapid transport and continue resuscitation when the following factors are present: <ul style="list-style-type: none"> • ROSC following cardiac arrest (5 minutes of palpable pulses) <ul style="list-style-type: none"> ▪ If pulses are lost enroute, resume high-quality CPR/resuscitation and continue transport to receiving facility. • Drowning. • Hypothermia. • Pulmonary Embolism. • EMS personnel shall make all efforts to record and transmit cardiac arrest data from monitor: <ul style="list-style-type: none"> • During a cardiac arrest, personnel should operate cardiac monitors in “PADS” mode. • Enter the patients name in the LP15/LP12 record. • Personnel shall transmit completed cases to the site “CODE STAT” as soon as patient care has been transferred or ended. This should be completed before monitor is turned off. • EMS personnel shall follow Napa County EMS Agency Administrative Policy 115, Determination of Death when making decision to discontinue resuscitation efforts.

ADULT CARDIAC ARREST ALGORITHM

FLOWCHART

