

Adult Cardiac Protocol Section



Pearls

	<u>Criteria for Targeted Temperature Mangement:</u>
•	Return of spontaneous circulation not related to blunt / penetrating trauma or hemorrhage with ventricular
	fibrillation / tachycardia and non-shockable arrhythmias.
	Temperature greater than 93.2°F (34° C).
	Advanced airway (including BIAD) in place with no purposeful response to verbal commands.
	Infusion of cold saline is NOT recommended in the prehospital setting.
•	Hyperventilation is a significant cause of hypotension and recurrence of cardiac arrest in the post resuscitation phase
	and must be avoided. Titrate FiO ₂ to maintain SpO ₂ of 92 - 98%.
•	Pain/sedation:
	Patients requiring advanced airways and ventilation commonly experience pain and anxiety.
	Unrelieved pain can lead to increased catecholamine release, ischemia, immunosuppression, and
	prolonged hospitalization.
	Ventilated patients cannot communicate pain / anxiety and providers are poor at recognizing pain /
	anxiety.
	Vital signs such has tachycardia and / or hypertension can provide clues to inadequate sedation,
	however they both are not always reliable indicators of patient's lack of adequate sedation.
	Pain must be addressed first, before anxiety. Opioids are typically the first line agents before
	benzodiazepines. Ketamine is also a reasonable first choice agent.
٠	EtCO2 Monitoring:
	Initial End tidal CO2 may be elevated immediately post-resuscitation, but will usually normalize.
	Goal is 35 – 45 mmHg but avoid hyperventilation to achieve.
•	Titrate fluid resuscitation and vasopressor administration to maintain SBP of > 90 mmHg or Mean Arterial Pressure
	(MAP) of 65 mmHg.
•	STEMI (ST-Elevation Myocardial Infarction)
	Consider placing 2 IV sites in the left arm: Many PCI centers use the right radial artery for intervention.
	Consider placing defibrillator pads on patient as a precaution.
	Document and time-stamp facility STEMI notification and make notification as soon as possible.
	Document the time of the 12-Lead ECG in the PCR as a Procedure along with the interpretation (Paramedic).
•	Consider transport to facility capable of managing the post-arrest patient including hypothermia therapy,
-	cardiology / cardiac catheterization, intensive care service, and neurology services.
•	Utilization of this protocol mandates transport to facility capable of managing the post-arrest patient and continuation of induced hypothermia therapy.
	If no advanced airway in place obtained, cooling may only be initiated on order from medical control.
•	No evidence suggests improved survival with prehospital cooling.
•	The condition of post-resuscitation patients fluctuates rapidly and continuously, and they require close monitoring. Appropriate
•	post-resuscitation management may best be planned in consultation with Medical Control.