

CARDIAC ARREST (ATRAUMATIC)	
ADULT	PEDIATRIC (≤34 kg)
BLS	
<ul style="list-style-type: none"> • Universal Protocol #601 • High Performance CPR (HPCPR) (10:1) per Procedure #712 <ul style="list-style-type: none"> ○ Continuous compressions with 1 short breath every 10 • AED application (if shock advised, administer 30 compressions prior to shocking) • Pulse Oximetry <ul style="list-style-type: none"> ○ O₂ administration per Airway Management Protocol #602 	<ul style="list-style-type: none"> • Same as Adult (except for neonate) • Neonate (< 1 month) follow AHA guidelines • CPR compression to ventilation ratio <ul style="list-style-type: none"> ○ Newborn – CPR 3:1 ○ 1 day to 1 month – CPR 15:2 ○ > 1 month – HPCPR 10:1 • AED – pediatric patient > 1 year • Use Broselow tape or equivalent if available
ALS Standing Orders	
<p style="text-align: center;">Rhythm analysis and shocks</p> <ul style="list-style-type: none"> • At 200 compressions begin charging the defibrillator while continuing CPR • Once fully charged, stop CPR for rhythm analysis • Defibrillate V-fib/Pulseless V-tach – shock at 120J and immediately resume CPR <ul style="list-style-type: none"> ○ Subsequent shock, after 2 mins of CPR: 150J, then 200J ○ Recurrent V-fib/Pulseless V-tach use last successful shock level • No shock indicated – dump the charge and immediately resume CPR <p style="text-align: center;">V-fib/Pulseless V-tach and Non-shockable Rhythms</p> <ul style="list-style-type: none"> • Epinephrine 1:10,000 1 mg IV/IO repeat every 3-5 min <ul style="list-style-type: none"> ○ Do not give epinephrine during first cycle of CPR <p style="text-align: center;">V-fib/Pulseless V-tach</p> <ul style="list-style-type: none"> • Lidocaine 1.5 mg/kg IV/IO repeat once in 3-5 min (max total dose 3 mg/kg) 	<ul style="list-style-type: none"> • <u>Emphasize resuscitation and HPCPR rather than immediate transport</u> <p style="text-align: center;">Rhythm analysis and shocks</p> <ul style="list-style-type: none"> • Coordinate compressions and charging same as adult • Defibrillate V-fib/Pulseless V-tach – shock at 2 J/kg and immediately resume CPR <ul style="list-style-type: none"> ○ Subsequent shock, after 2 mins of CPR: 4 J/kg ○ Recurrent V-fib/Pulseless V-tach use last successful shock level • No shock indicated – dump the charge and immediately resume CPR <p style="text-align: center;">V-fib/Pulseless V-tach and Non-shockable Rhythms</p> <ul style="list-style-type: none"> • Epinephrine 1:10,000 0.01 mg/kg (0.1 ml/kg) IV/IO, not to exceed 0.3 mg, repeat every 3-5 min <ul style="list-style-type: none"> ○ Do not give epinephrine during first cycle of CPR <p style="text-align: center;">V-fib/Pulseless V-tach</p> <ul style="list-style-type: none"> • Lidocaine 1 mg/kg IV/IO repeat every 5 min (max total dose 3 mg/kg)
Base Hospital Orders Only	
<p style="text-align: center;">ROSC with Persistent Hypotension</p> <ul style="list-style-type: none"> • Push-Dose Epinephrine 10 mcg/mL 1 mL IV/IO every 1-3 min <ul style="list-style-type: none"> ○ repeat as needed titrated to SBP >90mmHg ○ <u>See notes for mixing instructions</u> <p style="text-align: center;">OR</p>	<p>Contact closest Base Hospital for additional orders</p> <p style="text-align: center;">ROSC with Persistent Hypotension for Age</p> <ul style="list-style-type: none"> • Push-Dose Epinephrine 10 mcg/mL 1 mL IV/IO (0.1 mL/kg if <10 kg) every 1-3 min <ul style="list-style-type: none"> ○ repeat as needed titrated to age appropriate SBP

<ul style="list-style-type: none"> ● Epinephrine Drip start at 10 mcg/min IV/IO infusion <ul style="list-style-type: none"> ○ Consider for extended transport ○ <u>See formulary for mixing instructions</u> <p>Contact STEMI Receiving Center (French Hospital)</p> <ul style="list-style-type: none"> ● Refractory V-Fib or V-Tach not responsive to treatment ● Request for a change in destination if patient rearrests en route ● Termination orders when unresponsive to resuscitative measures ● As needed <p>Contact appropriate Base Station per Base Station Report Policy #121 - Atraumatic cardiac arrests due to non-cardiac origin (OD, drowning, etc.)</p>	<ul style="list-style-type: none"> ○ <u>See notes for mixing instructions</u> <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> ● Epinephrine Drip start at 1 mcg/kg, up to max of 10 mcg/min IV/IO infusion <ul style="list-style-type: none"> ○ Consider for extended transport ○ <u>See formulary for mixing instructions</u> ● As needed
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Notes
<ul style="list-style-type: none"> ● <u>Mixing Push-Dose Epinephrine 10 mcg/mL (1:100,000): Mix 9 mL of Normal Saline with 1 mL of Epinephrine 1:10,000, mix well</u> ● Use manufacturer recommended energy settings if different from listed ● Assess for reversible causes <ul style="list-style-type: none"> ○ Tension PTX, hypoxia, hypovolemia, hypothermia, hyperkalemia, hypoglycemia, overdose ● Vascular access – IV preferred over IO – continue vascular access attempts even if IO access established ● Oral Intubation (Adults) – Consider if airway is not patent or with maintained ROSC ● Adult ROSC that is maintained: <ul style="list-style-type: none"> ○ Obtain 12-lead ECG and vital signs ○ Transport to the nearest STEMI Receiving Center <i>regardless of 12-lead ECG reading</i> ○ Maintain O₂ Sat ≥ 94% ○ Monitor ETCO₂ ○ Protect airway with oral intubation if indicated ○ With BP < 100 mmHg, contact SRC (French Hospital) for fluid, or pressors ● Termination for patients > 34 Kg - Contact SRC (French Hospital) for termination orders <ul style="list-style-type: none"> ○ If the patient remains pulseless and apneic following 20 minutes of resuscitative measures ○ Persistent ETCO₂ values < 10mmHg, consider termination of resuscitation ○ Documentation shall include the patient’s failure to respond to treatment and of a non-viable cardiac rhythm (copy of rhythm strip) ● Pediatric patients ≤ 34 kg <ul style="list-style-type: none"> ○ <u>Stay on scene</u> to establish vascular access, provide for airway management, and administer the first dose of epinephrine followed by 2 min of HPCPR ○ Evaluate and treat for respiratory causes ○ Use Broselow tape if available ○ Contact and transport to the nearest Base Hospital ○ Receiving Hospital shall provide medical direction/termination for pediatric patients