

SYMPTOMATIC BRADYCARDIA	
ADULT	PEDIATRIC (≤34KG)
BLS	
<ul style="list-style-type: none"> • Universal Protocol #601 • Pulse Oximetry <ul style="list-style-type: none"> ○ O₂ administration per Airway Management Protocol #602 	<ul style="list-style-type: none"> • Same as Adult <p style="text-align: center;">Unstable</p> <p style="text-align: center;">HR <60 bpm and decreased level of consciousness</p> <ul style="list-style-type: none"> • Ventilate with BVM and O₂ • If HR<60 persists despite ventilations <ul style="list-style-type: none"> ○ HPCPR – High Performance CPR Procedure #712
ALS Standing Orders	
<ul style="list-style-type: none"> • Obtain 12-lead ECG • With STEMI contact STEMI base prior to administration of Atropine unless in extremis <p style="text-align: center;">Unstable</p> <ul style="list-style-type: none"> • Normal Saline fluid bolus 500 mL <ul style="list-style-type: none"> ○ Start concurrently with Atropine administration • Atropine 0.5 mg IV <ul style="list-style-type: none"> ○ May repeat every 3-5 min (not to exceed 3 mg total) • TCP – TCP Procedure #716 <ul style="list-style-type: none"> ○ Initiate TCP for any of the following: <ul style="list-style-type: none"> ▪ Patient in extremis ▪ Refractory to other treatments ▪ High-degree AVB with wide QRS complex ▪ Inability to rapidly establish vascular access for other treatments • Pain Management <ul style="list-style-type: none"> ○ If pain is persistent with TCP refer to Pain Management Protocol # 603 	<ul style="list-style-type: none"> • Obtain 12-lead ECG <p style="text-align: center;">Unstable</p> <ul style="list-style-type: none"> • Epinephrine 1:10,000 0.01 mg/kg (0.1 ml/kg) slow IV not to exceed 0.3 mg per dose <ul style="list-style-type: none"> ○ May repeat every 3-5 min
Base Hospital Orders Only	
<ul style="list-style-type: none"> • Calcium Chloride 1 Gm slow (over 5 min) IV/IO <ul style="list-style-type: none"> ○ Suspected Hyperkalemia with wide complex bradycardia • Atropine 0.5 mg IV for stable patient or STEMI patient not in extremis 	<ul style="list-style-type: none"> • Atropine 0.02 mg/kg IV (minimum dose of 0.1 mg and maximum dose of 0.5 mg) <ul style="list-style-type: none"> ○ May repeat every 3-5 min (not to exceed 1 mg total) • Normal Saline fluid bolus 20 mL/kg

<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> <li style="text-align: center;">OR • Epinephrine Drip 10 mcg/min IV/IO infusion <ul style="list-style-type: none"> ○ Consider for extended transport ○ <u>See formulary for mixing instructions</u> <p style="text-align: center;">Suspected Overdose (Beta-Blocker, Calcium Channel Blocker, Tricyclic, Organophosphate)</p> <ul style="list-style-type: none"> • Ingestion/Poisoning/OD Protocol #614 • As needed 	<p style="text-align: center;">Suspected Overdose (Beta-Blocker, Calcium Channel Blocker, Tricyclic, Organophosphate)</p> <ul style="list-style-type: none"> • Ingestion/Poisoning/OD Protocol #614 • As needed
Notes	
<ul style="list-style-type: none"> • <u>Mixing Push-Dose Epinephrine 10 mcg/mL (1:100,000):</u> Mix 9 mL of Normal Saline with 1 mL of Epinephrine 1:10,000, mix well • Pediatric bradycardia is most commonly due to hypoxia. Treatment should focus on ventilation and oxygenation • Atropine in pediatric patients may cause paradoxical bradycardia • High degree heart blocks (Second degree type II, and Third degree) may respond poorly to Atropine <ul style="list-style-type: none"> ○ Consider obtaining Base Hospital Orders for pressor doses of Epinephrine ○ If unstable proceed directly to TCP consider early base notification to STEMI Receiving Center (French Hospital) • Ensure all Calcium Chloride is thoroughly flushed from IV tubing prior to administration of Sodium Bicarbonate • Higher doses of Atropine may be needed for organophosphate OD 	