

CARDIAC ARREST AND EMERGENCY DRUGS IN THE ADULT POPULATION

IV push- indicates the medication is administered as rapidly as possible
 FOLLOW ALL IV PUSH MEDS WITH A FLUSH (either in line or push) OF 20 mL N/S

DRUG	SUPPLIED	BOLUS DOSE	INFUSION
ADENOSINE	Prefilled syringes: 6 mg/2 mL 12 mg/4 mL	undiluted <ul style="list-style-type: none"> 6 mg IV over 1-2 seconds followed rapidly with 20 mL N/S flush IF NOT EFFECTIVE IN 1-2 MINUTES ↓ <ul style="list-style-type: none"> 12 mg IV over 1-2 seconds followed rapidly by 20 mL N/S flush 	N/A
AMIODARONE	150 mg/3 mL ampoule	For VF, VT, and wide complex tachycardia <ul style="list-style-type: none"> First bolus: 300 mg IV push Supplementary bolus: 150 mg IV push 	Equipment to run infusion is not on the arrest cart; available in stepdowns and critical care units only.
ATROPINE	1 mg/10 mL minijet or 1 mg/mL vial	<u>Cardiac arrest:</u> PEA, asystole <ul style="list-style-type: none"> 1 mg IV push repeat q3-5 minutes to total of 0.03-0.04 mg/kg or 2-3 mg can be given by ET tube at 2-2.5 times the IV dose <u>Symptomatic bradycardia:</u> <ul style="list-style-type: none"> 0.5 mg - 1 mg IV push repeat q3-5 minutes to total of 0.03-0.04 mg/kg or 2-3 mg 	N/A
DOPAMINE	premixed: 400 mg/250 mL D5W	N/A	Refer to dopamine infusion chart-run in mcg/kg/minute <ul style="list-style-type: none"> for most people start the drip at: 10-15 mL/hr for 5 mcg/kg/minute 20-30 mL/hr for 10 mcg/kg/minute
EPINEPHRINE	1 mg/10 mL minijet or 1 mg/mL vial	<u>Cardiac Arrest:</u> <ul style="list-style-type: none"> 1 mg IV push q3-5 minutes during resuscitation can be given by ET tube at 2-2.5 times the IV dose 	Mix 5 mg in 500 mL D5W (10 mcg/mL) Refer to epinephrine infusion chart
LIDOCAINE	<u>Bolus:</u> 100 mg/5 mL minijet <u>Infusion:</u> premixed 2 g/500 mL D5W	<u>VF or VT without a pulse:</u> <ul style="list-style-type: none"> 1.5 mg/kg IV at 50 mg/minute DEFIB- if unsuccessful repeat in 3-5 minutes <u>VT with a pulse:</u> <ul style="list-style-type: none"> 1-1.5 mg/kg IV at 50 mg/minute in 5-10 minutes may give second bolus of 0.5-0.75 mg/kg IV at 50 mg/minute total bolus of 3 mg/kg 	<u>Maintenance Infusion:</u> premixed <ul style="list-style-type: none"> 2 mg/minute = 30 mL/hr 3 mg/minute = 45 mL/hr 4 mg/minute = 60 mL/hr

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MAGNESIUM	1 g/2 mL ampoule	<p><u>VF-</u> used in refractory VF after lidocaine</p> <ul style="list-style-type: none"> • 1-2 g IV push <p><u>Cardiac Arrest-</u> torsades de pointes or hypomagnesemia</p> <ul style="list-style-type: none"> • 1-2 g IV diluted in 10 mL D5W administered over 1-2 minutes 	N/A
METOPROLOL	5 mg/5 mL ampoule	<ul style="list-style-type: none"> • 5 mg IV push over 1-2 minutes • may be repeated q5 minutes to maximum of 15 mg 	N/A
NALOXONE	0.4 mg/mL vial	<div style="border: 2px solid black; padding: 5px; margin-bottom: 10px;"> Can be given direct IV over 1 minute- follow with 20 mL flush OR dilute dose in 9 mL N/S (yields 0.04 mg/mL) </div> <p><u>Narcotic reversal:</u> 0.4 mg-2 mg IV q2 minutes : use higher doses for complete narcotic reversal : can give up to 10 mg total over < 10 minutes</p> <p><u>Opiate addiction:</u> 0.2 mg q2 minutes x 3 then 1.4 mg IV push : titrate until ventilations adequate</p>	N/A
NOREPINEPHRINE	4 mg/4 mL vial	N/A	Mix 4 mg in 250 mL D5W (16 mcg/mL) Refer to norepinephrine infusion chart <ul style="list-style-type: none"> • start the drip at 4-12 mcg/min • 4 mcg/minute = 15 mL/hr • 8 mcg/minute = 30 mL/hr
PROCAINAMIDE	1000 mg/10 mL ampoule	<ul style="list-style-type: none"> • usually 500-1000 mg IV- up to a total dose of 17 mg/kg • mix the dose in 100 mL D5W • run 500 mg IV over 30 minutes (do not exceed 20-30 mg/min) • run 1000 mg IV over 60 minutes • IN CARDIAC ARREST- 100 mg IV push every 5 minutes is acceptable 	Mix 1000 mg in 250 mL D5W (4 mg/mL) <ul style="list-style-type: none"> • 2 mg/ minute = 30 mL/hr • 3 mg/ minute = 45 mL/hr • 4 mg/ minute = 60 mL/hr
VASOPRESSIN	20 units/ mL vial	<p><u>VF/VT without a pulse:</u></p> <ul style="list-style-type: none"> • 40 units IV push one time only 	N/A
VERAPAMIL	5 mg/2 mL ampoule	<p>1st dose: 2.5 –5.0 mg IV over 2 minutes</p> <p>2nd dose: 15-30 minutes after 1st dose</p> <ul style="list-style-type: none"> • 5-10 mg IV over 2 minutes 	} maximum dose 20 mg