REGION I EMERGENCY MEDICAL SERVICES
STANDING MEDICAL ORDERS
EMT – Basic

SMO: Drug Chart

DRUG NAME	DOSAGES	ACTION	INDICATIONS	CONTRAINDICATIONS	SIDE EFFECTS
albuterol (Proventil) (2) • 3 ml unit dose • *off line*	2.5 mg via hand held nebulizer with oxygen set at 8 Liters.	Bronchodilation.	Acute asthma, COPD, anaphylaxis, croup with wheezing.	Tachyarrhythmias, severe cardiac disease.	Bronchospasm, respiratory depression, increased B/P, tachycardia.
aspirin, baby (1 bottle) • Unit dose = 81 mg • *off line*	Give 4 (81 mg) chewable tabs (324 mg)	Decreased platelet aggregation. Reduces clot formation.	Chest pain suggestive of AMI.	Recent history of peptic ulcer disease. Started on H_2 antagonist in the last 6 months. Takes coumadin. Hypersensitivity to ASA & NSAIDS.	GI bleed; GI distress; anaphylaxis
Glucagon (1) (syringe with diluent and powder) • 1ml diluent / 1 vial of powder • *off line*	Dissolve in accompanying solvent. • Give 1 mg IM or Sub Q. • Under 25 lbs contact Medical Control	Increases blood glucose by converting glycogen to glucose.	Hypoglycemic states without IV started, Inderal OD.	Hypersensitivity to drug.	Hypersensitivity to protein, resp. distress, hypotension.
oral glucose (Glutose Paste) (1) • *off line*	Paste to buccal lining of mouth.	Increases blood sugar by buccal absorption of sugar.	Hypoglycemic states; conscious patient.	Hypersensitivity of drug; unconscious patient.	Chills, flushing

DRUG NAME	DOSAGES	ACTION	INDICATIONS	CONTRAINDICATIONS	SIDE EFFECTS
epinephrine (Adrenalin) (1ea) **Auto-Injector syringe** • Epi-pen (Adult dose) • Epi-pen Jr. (Peds dose) • *off line for anaphylaxis*	Intramuscular injection: **Only inject IM into the anterolateral aspect of the thigh:** • Epi-pen (Adult) delivers 0.3mg epinephrine. • Epi-pen Jr. (Peds) delivers 0.15mg epinephrine.	Bronchodilator- adrenergic.	Anaphylaxis, allergic reactions after insect stings or bites, foods, drugs, and other allergens.	Hypersensitivity to drug; narrow –angle glaucoma.	Tremors, anxiety, dyspnea, tachyarrhythmias, anorexia, N/V.
nitroglycerin tabs – patient assist only • 1/150 grain = 0.4 mg tablet • *off line*	0.4 mg sublingual tab	Vasodilates coronary arteries, relaxes smooth muscle. Decreases preload and afterload.	Cardiac chest pain, pulmonary edema, CHF.	Hypotension. If possible, have IV in place before administering.	Headache, hypotension

REGION I EMERGENCY MEDICAL SERVICES
STANDING MEDICAL ORDERS
EMT – Intermediate

SMO: Drug Chart**

DRUG NAME	DOSAGES	ACTION	INDICATIONS	CONTRAINDICATIONS	SIDE EFFECTS
adenosine (Adenocard) (5) Prefilled syringe • 6 mg / 2 ml • *on line*	6 mg RAPID IVP (antecubital vein) over 2 sec. with 10 ml IV flush. No response ➔12 mg w/flush. **Peds dose:** 0.1mg/kg administered as above. No response ➔ 0.2 mg/kg Max single dose, 12 mg.	Transient electrical conduction at AV node.	SVT w/(HR>150) Use after vagal maneuvers. May be used while preparing for cardioversion.	2nd and 3rd degree blocks or sick sinus syndrome.	Flushing, dizziness, cardiac arrhythmias, bradycardia, chest pain and asystole.
albuterol (Proventil) (2) • 3 ml unit dose • *off line*	2.5 mg via hand held nebulizer with oxygen set at 8 Liters.	Bronchodilation.	Acute Asthma, COPD, anaphylaxis, croup with wheezing.	Tachyarrhythmias, severe cardiac disease.	Bronchospasm, respiratory depression, increased B/P, tachycardia.
aspirin, baby (1 bottle) • Unit dose = 81 mg • *off line*	Give 4 (81 mg) chewable tabs (324 mg)	Decreased platelet aggregation. Reduces clot formation.	Chest pain suggestive of AMI.	Recent history of peptic ulcer disease. Started on H_2 antagonist in the last 6 months. Takes Coumadin. Hypersensitivity to ASA & NSAIDS.	GI bleed; GI distress; anaphylaxis

DRUG NAME	DOSAGES	ACTION	INDICATION	CONTRAINDICATION	SIDE EFFECT
atropine sulfate (3) Abboject syringe • 1 mg / 10 ml • *off line*	0.5 - 1.0 mg IVP rapidly up to total dose of 3 mg. May give thru ETT @ 1.5-2.0 times the parenteral dose. **Peds dose:** 0.02 mg/ kg *Minimum* single dose—0.1mg for child *Maximum* single dose—0.5 mg for child 1.0 mg for adolescent. May be repeated X1	Parasympatholytic, indirect cardiac accelerator, positive chronotrope.	Symptomatic bradycardia, AV blocks, asystole; **organophosphate poisoning**: dose—2mg IVP rapidly. Repeat dose every 2-5 minutes until signs of atropinization appear (dry mouth, dried secretions).Usual 0.04 mg/kg dosage limit does not apply. Contact medical control.	None in emergency situation.	Dilated pupils, dry mouth, headache, tachycardia.
50% Dextrose (2) Abboject syringe • 25 gms / 50 ml • *off line* **See below for Peds concentration**	50 cc IVP may repeat once. **See below for Peds dose**	Elevates blood glucose levels rapidly in the **adult** patient.	Hypoglycemia, unresponsive with documented BS < 60	CVA unless documented BS < 60.	Venous irritation, subcutaneous infiltration causes tissue necrosis.

DRUG NAME	DOSAGES	ACTION	INDICATION	CONTRAINDICATION	SIDE EFFECT
25% Dextrose • Dilute 50% Dextrose 1:1 with NS • Dilute this 25% solution 1:1 with NS to make a 12.5% solution. • *off line*	• If patient is infant < one month of age and > 3 kg give 2cc/kg of D12.5% slow IVP. • If patient is >3 kg and > 1 month of age, give 2cc/kg of Dextrose 25% slow IVP.	Elevates blood glucose levels rapidly in the **pediatric** patient.	Hypoglycemia, unresponsive with documented BS < 60		Venous irritation, subcutaneous infiltration causes tissue necrosis.
diazepam (Valium) (2) • 10 mg/ 2 ml (5mg/ ml) • *on line*	5 mg initial dose. Consult with Medical Control for subsequent doses to 10 mg. **Peds dose:** 0.1 mg/ kg (1mg/min over 3 min)	Enhances pre-sympathetic inhibition	Seizure activity Moderate sedation for intubation	Hypersensitivity to benzodiazepines, narrow angle glaucoma, psychosis, pregnancy, lactation, coma, respiratory depression	Respiratory depression, ECG changes, tachycardia, blurred vision
diphenhydramine **(Benadryl)** (2) Prefilled syringe • 50 mg / 1.0 ml • *off line*	25 – 50 mg IVP over 3 minutes slowly or 25 – 50 mg IM.	Antihistaminic, some sedative effects, antiemetic. Blocks histamine receptors.	Anaphylaxis, allergic reactions, urticaria; extrapyramidal side effects.	Asthma, presence of alcohol, and/or drugs, nursing mother.	Hypotension, dries bronchial secretions, OD leads to convulsions, coma.

DRUG NAME	DOSAGES	ACTION	INDICATION	CONTRAINDICATION	SIDE EFFECT
epinephrine (Adrenalin) (2) 1: 1,000 solution ampule • 1 mg / 1 ml • *off line for Code and Anaphylaxis/ on line for other*	0.1 to 0.3 mg SQ.	Bronchodilation	Asthma, allergic reaction. Contact Medical Control before administering to patients > 40 years.	Hypertension, CAD, tachycardia, tachyarrhythmias and pregnancy; use with catuions in patients over 40 years old and with those with CAD.	Tachyarrhythmias, headache, dizziness, tremors, palpitation, anxiety, pallor, restlessness, chest pain.
epinephrine (Adrenalin) (6) 1: 10,000 solution Abboject syringe • 1 mg / 10 ml • *off line for Code/ on line for non Code*	1:10,000 solution 0.15 – 1 mg IVP or 1.0 - 2.0 mg ETT. May repeat every 5 minutes. **Peds dose:** ***First dose*:** • IV/IO: 0.01 mg/kg (1:10,000) give 0.1 mg/kg • ET: 0.1 mg/kg (1:1,000) give 0.1 mg/kg ***Subsequent doses*:** • IV/IO/ET: 1mg/ml **(1:1,000) give 0.1 mg/kg**	Bronchodilation, ↑ blood flow to brain and heart with CPR, vasoconstriction.	Pulseless V-tach, V-fib, PEA, asystole, anaphylaxis.	None.	Tachyarrhythmias, headache, dizziness, tremors, palpitation, anxiety, pallor, restlessness,chest pain.

DRUG NAME	DOSAGES	ACTION	INDICATION	CONTRAINDICATION	SIDE EFFECT
furosemide (Lasix) (1) Prefilled syringe • 100 mg / 10 ml • *off line*	40 – 80 mg IVP.	Vasodilation, promotes prompt diuresis, Pulls fluid from cells.	CHF, Pulmonary edema, hypertensive crisis.	Pregnancy, dehydration, B/P < 90 systolic, allergy to sulfonamides.	Hypokalemia, dehydration, hypotension.
Glucagon (1) (syringe with diluent and powder) • 1ml diluent / 1 vial of powder • *off line*	Dissolve in accompanying solvent. • Give 1 mg IM or Sub Q. **Peds dose**: • If patient is between 3kg-10kg and IV not established, give Glucagon 0.1 mg/kg IM • If patient is > 10 kg and IV not established, give Glucagon 1.0 mg IM	Increases blood glucose by converting glycogen to glucose.	Hypoglycemic states without IV started, Inderal OD.	Hypersensitivity to drug.	Hypersensitivity to protein, resp. distress, hypotension.
oral glucose (Glutose Paste) (1) • *off line*	Paste to buccal lining of mouth.	Increases blood sugar by buccal absorption of sugar.	Hypoglycemic states; conscious patient.	Hypersensitivity of drug; unconscious patient.	Chills, flushing
lidocaine jelly (1) • 30 gram tube • *off line*	Generous amount 5 - 15 ml	Produces anesthesia of nasal passage	Blind nasotracheal intubation, nasal airway	Hypersensitivity	Irritation at site.

DRUG NAME	DOSAGES	ACTION	INDICATION	CONTRAINDICATION	SIDE EFFECT
lidocaine (2) Abboject syringe • 100 mg / 10 ml • *off line for Code/ on line for non Code*	1.0 - 1.5 mg /kg up to 3 mg / kg.	Antiarrhythmic, suppresses ventricular ectopic activity. Increases V-fib threshold.	Malignant PVC's, V-fib, V-tachycardia.	Allergy to -caines & -amines. PVC's with bradycardia, AV or intraventricular blocks, Pulse < 60.	Hypotension, nausea, vomiting, widening QRS, cardiovascular collapse, seizures, coma.
midazalom (Versed) (2) Prefilled syringe • 10 mg / 2 ml (5 mg / 1 ml) • *on line*	2 mg initial dose. Consult with Medical Control for subsequent doses to 10 mg. Peds dose: 0.1mg/kg may go up to total dose of 0.2 mg/kg	Sedative, anti-convulsant, skeletal muscle relaxant.	Seizures, assisted intubation, combative patients, anxiolytic.	Pregnancy unless toxemic, Hypersensitivity	Respiratory depression
morphine sulfate (MSO_4) (2) Prefilled syringe • 10 mg per 1 ml • *on line*	2 mg initial dose. Consult with Medical Control for subsequent doses to 10 mg.	Narcotic! Decreases respiratory effort, decreases pain perception. Vasodilator. Decrease anxiety.	Severe pain, pulmonary edema.	Head injury, undiagnosed abdominal pain, shock, volume depletion, hypoventilation states. Hypersensitivity to drug.	Respiratory arrest, or respiratory depression. Have Narcan available. Nausea, hypotension.

DRUG NAME	DOSAGES	ACTION	INDICATION	CONTRAINDICATION	SIDE EFFECT
naloxone (Narcan) (2) Prefilled syringe • 2 mg / 2 ml • *off line*	2 mg bolus IVP or ETT. May repeat 2 mg in 2 min. if no response up to 10 mg total dose. **Peds dose:** for patients less than or equal to 20 kg, give 0.1mg/kg IV/IO/SQ/IM or 0.2 mg/kg ETT.	Reverses the effects of narcotics.	OD of natural or synthetic narcotics and opiates. Unconscious patient with known etiology with respiratory compromise.	Hypersensitivity to drug.	Dizziness, hypotension, hypertension, ventricular arrhythmias, fulminating pulmonary edema.
nitroglycerin tabs (2 bottles) • 1/150 grain = 0.4 mg tablet • *off line*	0.4 mg sublingual tab	Vasodilates coronary arteries, relaxes smooth muscle. Decreases preload and afterload.	Cardiac chest pain, pulmonary edema, CHF.	Hypotension. . If possible, have IV in place before administering.	Headache, hypotension
sodium bicarbonate (1) Abboject syringe • 8.4% / 50 mEq / 50 ml • *off line for Code/ on line for non Code*	1 mEq/kg IVP	Buffers arterial acids, increases Ph.	Late in treatment. of V-fib, asystole, PEA, w/ MD. order, Tricyclic OD.	Alkalotic states.	Alkalosis
Tetracaine (2) • 2 ml unit dose • *off line*	1-2 gtts in eye to be irrigated	Ophthalmic anesthetic	To irrigate eyes in the MICU.	Hypersensitivity.	None in emergency care.

*** For Pediatric Doses, refer to Broselow Tape, individual protocols, or Medical Control.

REGION I EMERGENCY MEDICAL SERVICES
STANDING MEDICAL ORDERS
EMT – Paramedic

SMO: Drug Chart**

DRUG NAME	DOSAGES	ACTION	INDICATIONS	CONTRAINDICATIONS	SIDE EFFECTS
adenosine (Adenocard) (5) Prefilled syringe • 6 mg / 2 ml • *off line*	6 mg RAPID IVP (antecubital vein) over 2 sec. with 10 ml IV flush. No response ➔12 mg w/flush. **Peds dose:** 0.1mg/kg administered as above. No response ➔ 0.2 mg/kg Max single dose, 12 mg.	Transient electrical conduction at AV node.	SVT w/(HR>150) Use after vagal maneuvers. May be used while preparing for cardioversion.	2nd and 3rd degree blocks or sick sinus syndrome.	Flushing, dizziness, cardiac arrhythmias, bradycardia, chest pain and asystole.
albuterol (Proventil) (2) • 3 ml unit dose • *off line*	2.5 mg via hand held nebulizer with oxygen set at 8 Liters.	Bronchodilation.	Acute Asthma, COPD, anaphylaxis, croup with wheezing.	Tachyarrhythmias, severe cardiac disease.	Bronchospasm, respiratory depression, increased B/P, tachycardia.

DRUG NAME	DOSAGES	ACTION	INDICATION	CONTRAINDICATION	SIDE EFFECT
aspirin, baby (1 bottle) • Unit dose = 81 mg • *off line*	Give 4 (81 mg) chewable tabs (324 mg)	Decreased platelet aggregation. Reduces clot formation.	Chest pain suggestive of AMI.	Recent history of peptic ulcer disease. Started on H_2 antagonist in the last 6 months. Takes Coumadin. Hypersensitivity to ASA & NSAIDS.	GI bleed; GI distress; anaphylaxis
atropine sulfate (3) Abboject syringe • 1 mg / 10 ml • *off line*	0.5 - 1.0 mg IVP rapidly up to total dose of 3 mg. May give thru ETT @ 1.5-2.0 times the parenteral dose. **Peds dose:** 0.02 mg/ kg *Minimum* single dose—0.1mg for child *Maximum* single dose—0.5 mg for child 1.0 mg for adolescent. May be repeated X1	Parasympatholytic, indirect cardiac accelerator, positive chronotrope.	Symptomatic bradycardia, AV blocks, asystole; **organophosphate poisoning**: dose—2mg IVP rapidly. Repeat dose every 2-5 minutes until signs of atropinization appear (dry mouth, dried secretions).Usual 0.04 mg/kg dosage limit does not apply. Contact medical control.	None in emergency situation.	Dilated pupils, dry mouth, headache, tachycardia.

DRUG NAME	DOSAGES	ACTION	INDICATION	CONTRAINDICATION	SIDE EFFECT
50% Dextrose (2) Abboject syringe • 25 gms / 50 ml • *off line* **See below for Peds concentration**	50 cc IVP may repeat once. **See below for Peds dose**	Elevates blood glucose levels rapidly in the **adult** patient.	Hypoglycemia, unresponsive with documented BS < 60	CVA unless documented BS < 60.	Venous irritation, subcutaneous infiltration causes tissue necrosis.
25% Dextrose • Dilute 50% Dextrose 1:1 with NS • Dilute this 25% solution 1:1 with NS to make a 12.5% solution. • *off line*	• If patient is infant < one month of age and > 3 kg give 2cc/kg of D12.5% slow IVP. • If patient is >3 kg and > 1 month of age, give 2cc/kg of Dextrose 25% slow IVP.	Elevates blood glucose levels rapidly in the **pediatric** patient.	Hypoglycemia, unresponsive with documented BS < 60		Venous irritation, subcutaneous infiltration causes tissue necrosis.
diazepam (Valium) (2) • 10 mg/ 2 ml (5mg/ ml) • *off line*	5 mg initial dose. May repeat dose up to 10 mg. **Peds dose:** 0.1 mg/ kg (1mg/min over 3 min)	Enhances pre-sympathetic inhibition	Seizure activity Moderate sedation for intubation	Hypersensitivity to benzodiazepines, narrow angle glaucoma, psychosis, pregnancy, lactation, coma, respiratory depression	Respiratory depression, ECG changes, tachycardia, blurred vision

DRUG NAME	DOSAGES	ACTION	INDICATION	CONTRAINDICATION	SIDE EFFECT
diphenhydramine **(Benadryl)** (2) Prefilled syringe • 50 mg / 1.0 ml • *off line*	25 – 50 mg IVP over 3 minutes slowly or 25 – 50 mg IM.	Antihistaminic, some sedative effects, antiemetic. Blocks histamine receptors.	Anaphylaxis, allergic reactions, urticaria; extrapyramidal side effects.	Asthma, presence of alcohol, and/or drugs, nursing mother.	Hypotension, dries bronchial secretions, OD leads to convulsions, coma.
dopamine hydrochloride (Intropin) (1) Premix IV solution • 400 mg in 250 ml D_5W • *off line*	IVPB titrate at 15-30 microdrops or until B/P > 90.	Alpha & Beta stimulant, increases cardiac output, +inotropic.	Shock: Cardiogenic, Anaphylactic. Symptomatic bradydysrhythmias refractory to Atropine and/or TCP.	Hypotension prior to fluid resuscitation.	Hypertension, ventricular tachy-arrhythmias, nausea, vomiting.
epinephrine (Adrenalin) (2) 1: 1,000 solution ampule • 1 mg / 1 ml • *off line for Code and Anaphylaxis/ on line for other*	0.2 to 0.3 mg SQ.	Bronchodilation	Asthma, allergic reaction. Contact Medical Control before administering to patients > 40 years.	Hypertension, CAD, tachycardia, tachyarrhythmias and pregnancy; use with catuions in patients over 40 years old and with those with CAD.	Tachyarrhythmias, headache, dizziness, tremors, palpitation, anxiety, pallor, restlessness, chest pain.

DRUG NAME	DOSAGES	ACTION	INDICATION	CONTRAINDICATION	SIDE EFFECT
epinephrine (Adrenalin) (6) 1: 10,000 solution Abboject syringe • 1 mg / 10 ml ▪ *off line for Code and Anaphylaxis/ on line for other*	1:10,000 solution 0.15 – 1 mg IVP or 1.0 - 2.0 mg ETT. May repeat every 5 minutes. **Peds dose:** ***First dose*:** • IV/IO: 0.01 mg/kg (1:10,000) give 0.1 mg/kg • ET: 0.1 mg/kg (1:1,000) give 0.1 mg/kg ***Subsequent doses*:** • IV/IO/ET: 1mg/ml **(1:1,000) give 0.1 mg/kg**	Bronchodilation, ↑ blood flow to brain and heart with CPR, vasoconstriction.	Pulseless V-tach, V-fib, PEA, asystole, anaphylaxis.	None.	Tachyarrhythmias, headache, dizziness, tremors, palpitation, anxiety, pallor, restlessness,chest pain.
furosemide (Lasix) (1) Prefilled syringe • 100 mg / 10 ml • *off line*	40 – 80 mg IVP.	Vasodilation, promotes prompt diuresis, Pulls fluid from cells.	CHF, Pulmonary edema, hypertensive crisis.	Pregnancy, dehydration, B/P < 90 systolic, allergy to sulfonamides.	Hypokalemia, dehydration, hypotension.

DRUG NAME	DOSAGES	ACTION	INDICATION	CONTRAINDICATION	SIDE EFFECT
Glucagon (1) (syringe with diluent and powder) • 1ml diluent / 1 vial of powder • *off line*	Dissolve in accompanying solvent. • Give 1 mg IM or Sub Q. **Peds dose**: • If patient is between 3kg-10kg and IV not established, give Glucagon 0.1 mg/kg IM • If patient is > 10 kg and IV not established, give Glucagon 1.0 mg IM	Increases blood glucose by converting glycogen to glucose.	Hypoglycemic states without IV started, Inderal OD.	Hypersensitivity to drug.	Hypersensitivity to protein, resp. distress, hypotension.
oral glucose (Glutose Paste) (1) • *off line*	Paste to buccal lining of mouth.	Increases blood sugar by buccal absorption of sugar.	Hypoglycemic states; conscious patient.	Hypersensitivity of drug; unconscious patient.	Chills, flushing
lidocaine jelly (1) • 30 gram tube • *off line*	Generous amount 5 - 15 ml	Produces anesthesia of nasal passage	Blind nasotracheal intubation, nasal airway	Hypersensitivity	Irritation at site.

DRUG NAME	DOSAGES	ACTION	INDICATION	CONTRAINDICATION	SIDE EFFECT
lidocaine (2) Abboject syringe • 100 mg / 10 ml • *off line for Code/ on line for non Code*	2.0 - 1.5 mg /kg up to 3 mg / kg.	Antiarrhythmic, suppresses ventricular ectopic activity. Increases V-fib threshold.	Malignant PVC's, V-fib, V-tachycardia.	Allergy to -caines & -amines. PVC's with bradycardia, AV or intraventricular blocks, Pulse < 60.	Hypotension, nausea, vomiting, widening QRS, cardiovascular collapse, seizures, coma.
midazalom (Versed) (2) Prefilled syringe • 10 mg / 2 ml (5 mg / 1 ml) • *off line up to 10 mg*	2 mg initial dose. Consult with Medical Control for doses over 10 mg. Peds dose: 0.1mg/kg may go up to total dose of 0.2 mg/kg	Sedative, anti-convulsant, skeletal muscle relaxant.	Seizures, assisted intubation, combative patients, anxiolytic.	Pregnancy unless toxemic, Hypersensitivity	Respiratory depression
morphine sulfate (MSO_4) (2) Prefilled syringe • 10 mg per 1 ml • *off line up to 10 mg*	2 mg initial dose. Consult with Medical Control for doses over 10 mg.	Narcotic! Decreases respiratory effort, decreases pain perception. Vasodilator. Decrease anxiety.	Severe pain, pulmonary edema.	Head injury, undiagnosed abdominal pain, shock, volume depletion, hypoventilation states. Hypersensitivity to drug.	Respiratory arrest, or respiratory depression. Have Narcan available. Nausea, hypotension.
naloxone (Narcan) (2) Prefilled syringe • 2 mg / 2 ml • *off line*	2 mg bolus IVP or ETT. May repeat 2 mg in 2 min. if no response up to 10 mg total dose. **Peds dose:** for patients less than or equal to 20 kg, give 0.1mg/kg IV/IO/SQ/IM or 0.2 mg/kg ETT.	Reverses the effects of narcotics.	OD of natural or synthetic narcotics and opiates. Unconscious patient with known etiology with respiratory compromise.	Hypersensitivity to drug.	Dizziness, hypotension, hypertension, ventricular arrhythmias, fulminating pulmonary edema.

DRUG NAME	DOSAGES	ACTION	INDICATION	CONTRAINDICATION	SIDE EFFECT
nitroglycerin tabs (2 bottles) • 1/150 grain = 0.4 mg tablet • *off line*	0.4 mg sublingual tab	Vasodilates coronary arteries, relaxes smooth muscle. Decreases preload and afterload.	Cardiac chest pain, pulmonary edema, CHF.	Hypotension. . If possible, have IV in place before administering.	Headache, hypotension
Procainamide (1 vial) • 1g / 10ml vial • *on line*	Loading dose of 20 mg/ min up to 17 mg/ kg	Suppression of atrial and ventricular arrhythmias.	Acceptable for treatment of SVT to sinus rhythm ; wide complex tachycardia of unknown origin. Medical Control may choose to substitute Procainamide for Lidocaine.	• Administer with caution in patients with prolonged QT interval and patients with torsades de pointe. • Hypersensitivity, myasthenia gravis, severe heart block.	Headache, dizziness, hypotension, heart block
• 1g / 250ml NS = 4mg/ml • Bolus: draw up 5ml, give over 1 minute	20mg bolus = 5ml				
sodium bicarbonate (1) Abboject syringe • 8.4% / 50 mEq / 50 ml • *off line for Code/ on line for non Code*	1 mEq/kg IVP	Buffers arterial acids, increases Ph.	Late in treatment. of V-fib, asystole, PEA, w/ MD. order, Tricyclic OD.	Alkalotic states.	Alkalosis
Tetracaine (2) • 2 ml unit dose • *off line*	1-2 gtts in eye to be irrigated	Ophthalmic anesthetic	To irrigate eyes in the MICU.	Hypersensitivity.	None in emergency care.

*** For Pediatric Doses, refer to Broselow Tape, individual protocols, or Medical Control.