

**SHA EMS MEDICATION DOSE QUICK REFERENCE CARD**

**ACETAMINOPHEN (TYLENOL)**

**Adult:** 975 mg q 6 hr  
**Peds less than 6yrs:** 10-15 mg/kg

**ADENOSINE HIGH ALERT**

**1<sup>st</sup> dose:** 6 mg, **2<sup>nd</sup> dose:** 12 mg w/rapid 20 ml flush  
**Peds :1<sup>st</sup> dose:** 0.1 mg/kg (max 6 mg), **2<sup>nd</sup> dose:** 0.2 mg/kg (max 12 mg)

**AMIODARONE HIGH ALERT**

**VF/Pulseless VT:** 300 mg undiluted (rpt 150 mg q 5 min)  
**VT w/pulse:** 150 mg in 100 ml D5W/NS at 600 ml/hr  
**Maint. Inf:** 1 mg/min= 450 mg in 250 ml D5W/NS at 33 ml/hr (max 2.2 g in 24 hr)  
**PedsVF/Pulseless VT:** 5 mg/kg (max 300 mg) undiluted. May repeat twice  
**Peds VT w/pulse:** 5 mg/kg in D5W/NS over 60 min

**ASA**

**Adult:** 160 mg chew and swallow

**ATROPINE**

**Brad:** 1 mg q 3-5 (max 3 mg)  
**OPP:** 2- 6 mg q 5-60 min  
**Peds Brad:** 0.02 mg/kg (min 0.1 mg, max 0.5 mg) q 5 min x 1  
**Peds post MFI if needed:** 0.01 mg/kg (min 0.1 mg)  
**Peds OPP:** 0.05 mg/kg q 5 min (if ET route vol must be diluted in NS, 10 ml more than 2 yrs, 1-2 ml less than 2 yrs)

**CALCIUM CHLORIDE HIGH ALERT**

20 mg/kg to max 1 g SIVP over 2-5 min (rpt. in 5 min if no ECG changes)

**CEFTRIAXONE** – If greater than or equal to 45 mins Time pt side

**Reconstitute:** Add 19.2 ml NS, SWFI or D5W to 2 g vial

**SIVP:** 2 g reconstituted in NS, SWFI or D5W/5 mins

**Infusion:** 2 g in 50 ml NS at 150 ml/hr (20 mins)

**dexAMETHasone ELDER ALERT**

**Peds Croup:** 0.6 mg/kg PO (Max 16 mg)

**Dextrose HIGH ALERT (D20W and higher concentrations)**

12.5- 25 g D10W titrated to effect

**Peds:** 2- 4 ml/kg of D25W (0.25 g/ml) q 5 min **HIGH ALERT**

OR 5-10 ml/kg of D10W

**Neonate:** 5-10 ml/kg D10W

**diazepam (Valium) HIGH ALERT/ELDER ALERT**

Alcohol Withdrawal: 10 mg IV q 30 -60 mins depending on BAWs score

**dimenHYDRINATE (Gravol) ELDER ALERT**

**Adult:** 25-50 mg IV/IM q 4 hr PRN

Max dose 100 mg q 4 hr PRN

**Elderly:** 12.5 mg IV/IM q 4 hr PRN

**Peds: less than 12 yrs:** 1 mg/kg (max 50 mg) IV/IM q 4-6 hr PRN

**Greater than 12 yrs:** 25-50 mg IV/IM q 4-6 hr PRN

Max dose: 300 mg in 24 hrs

**diphenhydrAMINE (BENADRYL) ELDER ALERT**

1 mg/kg (max 50 mg) in 50 ml NS over (20 min) or Can be given IM

**ENTONOX (Nitrous Oxide) HIGH ALERT**

Self-admin. via inhalation until pain relief, PRN

**EPINEPHrine HIGH ALERT**

**Arrest:** 1 mg 0.1mg/ml q 3- 5min (ETT- 3 mg- add 2- 1mg/ml to 0.1mg/ml preload)

**Anaphylaxis:** 0.5 mg 1mg/ml IM (low BP 100 mcg (10 mL) of 0.01mg/ml SIVP q 5 min)

**Asthma:** 0.3- 0.5 ml 1mg/ml IM

**Infusion:** Quad strength-4 mg 1mg/ml in 250 mL (16 mcg/ml)

0.1 mcg/kg/min, titrate at 0.1 mcg/kg/min q 3-5 min

**Push Dose:** 5 mcg (0.5 mL) - 50 mcg (5 mL) q 2-5 min PRN- Reconstitute- 1

ml 1mg/ml into 100 ml NS= 0.01mg/ml. Draw off 10 ml= 10

mcg/ml

**Peds Push Dose:** 1 mcg/kg 0.01mg/ml

**Peds Arrest:** 0.01 mg/kg [0.1 ml/kg] 0.1mg/ml q 3-5 min

(ET- 0.1 mg/kg [0.1 ml/kg] 1mg/ml)

**Peds Anaphylaxis:** 0.01 ml/kg 1mg/ml or 0.1 ml/kg

0.1mg/ml

**Peds Asthma:** 0.01 mg/kg [0.01 ml/kg] 1mg/ml IM (max 0.5 ml)

**Peds Brad:** 0.01 mg/kg [0.1 ml/kg] 0.1mg/ml q 3-5 min

**Croup: less than 5kg-** 0.5 mg/kg [0.5 ml/kg] 1mg/ml in 2-3 ml NS (max 2.5

mg) NEB

**More than 5kg-** 2.5- 5 mg 1mg/ml in 2.5- 3 ml NS NEB

**fentaNYL HIGH ALERT**

**Pain:** 0.5- 2 mcg/kg q 10 min PRN (consider using lower end dose for rpts)

**More than 60 y/o:** 0.5- 1 mcg/kg, rpt 0.25- 0.5 mcg/kg q 10 min PRN

**MFI:** 3.5 mcg/kg (max 250 mcg) (low BP 1-3 mcg/kg)

**MFI Maint:** 25-50 mcg

**Peds MFI:** 1-2 mcg/kg (max 200 mcg)

**Peds MFI Maint:** 1 mcg/kg (max 25 mcg)

**GLUCAGON**

3 mg IN q 15 min

**Peds more than 4 yrs:** 3 mg IN

**Peds less than 4 yrs:** 0.1 mg/kg [0.1 ml/kg] (max 1 mg [1 ml]) q 15 min SQ

**HALOPERIDOL (HALDOL) ELDER ALERT**

2.5- 5 mg [1- 2.5 mg in elderly, debilitated] do not use in less than 12 yrs

**IBUPROFEN (Advil)**

**Peds:** 10 mg/kg PO q 6-8 hrs

**IPRATROPIUM (ATROVENT)**

**NEB:** 250- 500 mcg (1- 2 ml)

**MDI WITH AERO CHAMBER**

5 puffs at 20 mcg/puff (no repeats)

**Peds NEB:** 125-250 mcg (0.5 ml)

**Peds MDI WITH AERO CHAMBER**

**Peds more than 20 kg:** 5 puffs at 20 mcg (no repeats)

**Peds less than 20 kg:** 4 puffs at 20 mcg (no repeats)

**Peds less than 10 kg:** MDI not indicated see above for nebulized dose

**KETAMINE HIGH ALERT**

**Pain:** 0.1- 0.3 mg/kg IV or 1 mg/kg IN

**MFI:** 1.5- 2 mg/kg, rpt in 3 min

**MFI Maint:** 1 mg/kg PRN

**Hypotensive Dosing:** 0.25-1 mg/kg

**Severely Agitated:** 4-6 mg/kg IM or 1-2 mg/kg IV

**KETOROLAC (TORADOL)**

**Adult:** 15 mg IM/IV q 4-6 hr

**Peds more than 2yrs:** 0.2-0.5 mg/kg IV/IM (Max 10 mg) q 6-8 hr

**LIDOCAINE HIGH ALERT**

**IO Admin:** 0.5 mg/kg (max 40 mg) [2 ml of 2% Lidocaine Preload]

**VF/Pulseless VT:** 1- 1.5 mg/kg, rpt 0.5- 0.75 mg/kg (max 3

mg/kg) q 5-10 min

**VT/Wide QRS:** 1- 1.5 mg/kg, rpt 0.5-0.75 mg/kg (max 3 mg/kg) q

5-10 min

**Infusion:** 1000 mg (1 g) in 250 ml D5W= 4 mg/ml (see drug card w/pump)

**Peds VT:** 1 mg/kg (max 3 mg/kg)

**Peds IO Admin:** 0.5 mg/kg (max of 20 mg)

**LORazepam (ATIVAN)**

**Mild agitation/anxiety: more than 50 kg:** 1-2 mg SL/PO q 4-6 hr

**Less than 50 kg:** 1 mg SL/PO

**Alcohol Withdrawal:** 2 mg q 30-60 mins depending on BAWs Score

**MAGNESIUM SULFATE**

**Eclampsia:** 4 g in 100 ml NS over 20 min

**Severe Asthma /Status Asthmaticus:** 2 g over 20 min in 50 ml NS

**Refractory VF (after max dose Amio given):** 2 g IVP diluted in NS

**VF (suspected Torsade's):** 2 g IVP diluted in NS

**Torsade's de Pointes (not in arrest):** 2 g over 15 min in 50 ml NS

**Peds:** 50 mg/kg over 20 min in 50 ml NS max 2 g (IV push in arrest)

**methylPREDNISolone (SOLUMEDROL)**

1 mg/kg (max 125 mg) in 50 ml NS over (20 mins)

**Peds:** 1 mg/kg (max 60 mg) in 50 ml NS over 20 mins

**MIDAZOLAM (VERSED) HIGH ALERT**

**Seizure:** 10 mg IM or 2.5 mg IV q 2 min (both max 10 mg)

**Peds Seizure:** 0.2 mg/kg IM, 0.1- 0.2 mg/kg IN, 0.1 mg/kg IV q 10 min

[rpt x 1 IV] (all max 7 mg)

**Frail elderly:** max 5 mg

**Pain:** 0.05 mg/kg IV q 10 mins

**Cardioversion:** 2- 5 mg, rpt at 1 mg to max 5 mg

**Moderate agitation/anxiety:** 2.5-5 mg IM q 5-10 min, 2.5-5 mg IV q 3-5 min

**Severely Agitated (14- 60yrs):** 2-10 mg IM q 10 min, 2.5-5 mg IV q 3-5 min

(max 20 mg)

**Pain:** 0.05 mg/kg q 10 min PRN

**MORPHINE HIGH ALERT**

0.05- 0.1 mg/kg IV/IM/IN, rpt 0.025- 0.05 mg/kg q 15 min PRN

**More than 60 y/o:** 0.025- 0.05 mg/kg, rpt 0.01 mg/kg q 15 min PRN

**NALOXONE (NARCAN)**

0.5-1 mg IM/IV/IN q 2-3 mins Titrate until ventilations are adequate

**Peds:** 0.1 mg/kg up to 1 mg/dose q 2-3 mins

**NAPROXEN-DO NOT use in Pregnancy**

**Adult:** 250- 500 mg PO q 12 hrs

**Peds more than 50 kg:** 250 mg PO q 8-10 hrs

**nitroGLYCERIN HIGH ALERT**

0.4 mg SL q 3-5 min. (max 3 sprays except in PEdema)

**ACP-PEdema:** IV infusion 20 mcg/min titrate by 10 mcg/min q 5 min max

200

**NOREPINEPHRINE HIGH ALERT – Do Not use in PEDS use PDP epi**

**Infusion:** 4x4 mg/4 ml vials (16 mg) in 250 ml D5W/NS (64 mcg/ml)

0.1 mcg/kg/min, titrate 0.05 mcg to max of 2 mcg/kg/min

**OLANzapine HIGH ALERT**

**Adult:** 5-10 mg IM repeat 2.5-5mg in 10 min (max 20 mg)

**Elderly:** 2.5 mg IM

**ONDANSETRON (ZOFRAN)**

**Less than 65:** IV - 4 mg or less: diluted or undiluted; over 2-5 mins q 6 hrs

IV Infusion – dilute in 50 mL mini bag; infuse over 20 minutes

IM – 4 mg undiluted

PO – 4 mg

Buccal – 4 mg dissolvable wafer

**More than 65:** 4 mg mixed in 50 ml NS over 20 min rpt q 6 hrs;

IM/PO/Buccal

**Peds: less than 5 yrs:** 2 mg IV/IM/Oral

**More than 5 yrs:** 4 mg IV/IM/Ora/Buccal

**SODIUM BICARB HIGH ALERT**

**HyperK Arrest:** 1 mEq/kg

**TCA OD or Hyperkalemia:** 1-2 mEq/kg [QRS more than 0.10 sec or hypotension]

**SYNTOCINON (OXYTOCIN) HIGH ALERT**

**Post Delivery of Anterior Shoulder-** 10 U IM

**ACP ONLY - PP Hemorrhage:** 30 U in 500 ml NS/RL at 250 mUnits/min via

pump

**THIAMINE (VITAMIN B1)**

**Post D50W and appears malnourished:** 100 mg IV

**Alcohol Withdrawal:** 300 mg in 100 mL NS IV infusion pump over 30 min

**TRANEXAMIC ACID (TXA) HIGH ALERT** (within 3 hrs of injury)

**Trauma/PPH:** 2g in 100 ml NS over 20 min

**PEDS:** 15 mg/kg IV Infusion over 20 min then maintenance

**VENTOLIN (SALBUTAMOL)**

**NEB:** 2.5- 5 mg PRN

**HyperK:** 10-20 mg

**MDI WITH AERO CHAMBER:** 10 puffs at 100 mcg may repeat Ventolin x3

**Peds NEB:** 1.25- 2.5 mg PRN

**Peds MDI WITH AERO CHAMBER:**

**Peds more than 20kg:** 10 puffs at 100 mcg may repeat Ventolin x3

**Peds less than 20kg:** 5 puffs at 100 mcg may repeat Ventolin x3

**Peds less than 10kg:** MDI not indicated; NEB Still indicated

**TRANSFER MEDS**

Alteplase Ketamine Hydroxocobalamin

Amiodarone Gravol Mucomyst TXA

Antimicrobials Heparin Nitroglycerine Dobutamine

Blood/Blood Products Insulin Oxytocin Lasix

Dopamine Lidocaine Pantoloc Glycoprotein

Diazepam Lorazepam Potassium Fentanyl

Fibrinolytics Midazolam TPN (Total Parenteral Nutrition)

\*\*Any medication in your scope of practice to administer\*\*

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