

# 2010 GMVEMSC EMT-P Pediatric Prehospital Protocol

## ALTERED MENTAL STATUS

Airway/IV 0.9 NS TKO/O<sub>2</sub>  
Determine BSL, if <60 mg/dl:  
Dextrose 50% 1ml/kg if >25 kg  
Dextrose 25% 2 ml/kg if >25kg *or*  
Dextrose 50% 1ml/kg **diluted** with equal NaCl  
**If <1 y/o:**  
Dextrose 25% 2 ml/kg **diluted** with equal NaCl  
If no IV  
Glucagon 1 mg SC/IM  
Repeat therapy if blood sugar <60 mg/dl  
Narcan IV 0.1 mg/kg (max. 2mg)

## ANAPHYLACTIC REACTION

Airway/IV 0.9 NS TKO/O<sub>2</sub> via NRB  
Epi pen Jr. 0.15 mg < 30 kg  
Epi Pen 0.3 mg > 30 kg  
Bolus of 20 ml/kg if SBP < 100  
If wheezing:  
Albuterol 3ml/ Atrovent 0.5mg by Neb.  
Repeat Albuterol x2  
Benadryl 1 mg/kg (max 50mg) IVP/IM  
Epi 0.5 mg 1:10,000 **slow** IVP  
Glucagon 2 mg IVP/IM  
If in arrest: 3 mg Epi 1:10,000 IVP

## ASTHMA

Airway/IV 0.9 NS TKO/O<sub>2</sub> via NRB  
Albuterol 3ml/ Atrovent 0.5mg by Neb.  
Repeat Albuterol x2  
If Severe:  
Epi 0.01 mg/kg (1:1,000) SQ < 30 kg *or*  
Epi 0.3 mg (1:1,000) SQ > 30 kg  
**\* Repeat Epi SQ**

## ASYSTOLE/PEA

CPR for 2 min (unwitnessed)  
Airway/O<sub>2</sub> /ETT/IV *or* IO  
Monitor/AED  
Epi 0.01 mg/kg 1:10,000 IV/IO  
*or* Epi 0.1 mg/kg 1:1000 ETT  
Repeat Epi q 3-5 min  
Treat causes, consider hypoglycemia  
Dextrose 50% 1ml/kg if >25 kg  
Dextrose 25% 2 ml/kg if >25kg  
Glucagon 1 mg IM if no IV  
Treat causes, consider overdose  
Narcan 0.1 mg/kg IVP  
If renal dialysis  
Calcium Chloride 0.2 ml/kg IVP  
Sodium Bicarb 1mEq/kg IVP

## BRADYCARDIA

Airway/IV 0.9 NS TKO/O<sub>2</sub> via NRB  
CPR if HR < 60 bpm  
Epi 0.01 mg/kg 1:10,000 IV/IO *or*  
Epi 0.1 mg/kg 1:1,000 ETT  
Repeat Epi q 3-5 min  
If vagal tone *or* Primary AV block  
Atropine 0.02 mg/kg IV/IO  
(min. dose 0.1mg)  
(max. dose 1.0 mg)  
Repeat Atropine once  
TCP 80 bpm @ gradual 5-200 mA  
Sedate w/ Midazolam 0.1 mg/kg **slow**  
IV/IO (max. dose 4 mg)

## AIRWAY MANAGEMENT

May use Lidocaine 2% 2 mg/kg NEB (max. 80)  
If resisting tube, Midazolam 0.1 mg/kg IV

## SHOCK w/o PULMONARY EDEMA

Airway/IV 0.9 NS TKO/O<sub>2</sub> via NRB  
Fluid challenge 20 ml/kg  
**\* Repeat fluid bolus 20 ml/kg**  
Consider second IV/IO  
Dopamine drip  
Start @ 5 mcg/kg/min (SBP > 100)  
(max 20 mcg/kg/ml)

## SEIZURES

Airway/IV 0.9 NS TKO/O<sub>2</sub> via NRB  
BVM/NPA *during* Seizure  
Diazepam 0.2 mg/kg (max 5 mg) SLOW IV *or*  
Midazolam 0.2 mg/kg (max 4 mg) IN  
Persistent Seizures  
Repeat Diazepam 0.2 mg/kg IV *or*  
Repeat Midazolam @ 0.2 mg/kg IN  
Accucheck, if <60 mg/dl  
Dextrose 50% 1ml/kg if >25 kg  
Dextrose 25% 2 ml/kg if >25kg *or*  
Dextrose 50% 1ml/kg **diluted** with = NaCl  
**If <1 y/o:**  
Dextrose 25% 2 ml/kg **diluted** with = NaCl  
If no IV *or* MAD  
Diazepam 0.5 mg/kg (max 10 mg) rectally  
Glucagon 1 mg IM

## FRACTURES/DISLOCATION/SPRAINS

Airway/IV 0.9 NS TKO/O<sub>2</sub> via NRB  
Morphine Sulfate 0.1 mg/kg **slow** IV/SQ  
(not for patients <2 y/o)  
(max. dose 5 mg)  
**\* Morphine Sulfate 0.1 mg/kg up to 5 mg IV**  
**\* Morphine Sulfate 0.1 mg/kg SQ after 30 min**

## COMBATIVE PATIENTS

Consider medical causes  
Consider:  
**\*Midazolam 0.2 mg/kg (max 4 mg) IN *or***  
**\*Midazolam 0.2 mg/kg (max 4 mg) IV/IM *or***  
**\*Diazepam 0.2 mg/kg (max 5 mg) IV *or* 0.5 mg/kg PR (max 5 mg)**

## EXTRAPYRAMIDAL REACTIONS

Airway/IV 0.9 NS TKO/O<sub>2</sub> via NRB  
If Accucheck <60:  
Dextrose 50% 1ml/kg if >25 kg  
Dextrose 25% 2 ml/kg if >25kg *or*  
Dextrose 50% 1ml/kg **diluted** with = NaCl  
**If <1 y/o:**  
Dextrose 25% 2 ml/kg **diluted** with = NaCl  
If no IV  
Glucagon 1 mg IM2  
**\*Benadryl 1 mg/kg (Max 50 mg) IV/IM**

## ABDOMINAL PAIN

For nausea:  
Odansetron 0.1 mg/kg (max 4 mg) slow IV

## TACHYCARDIA

Airway/IV 0.9 NS TKO @ AC/O<sub>2</sub> via NRB  
Stable  
Vagal Manuevers  
Unstable  
Adenosine 0.1 mg/kg IVP (max 6 mg)  
Adenosine 0.2 mg/kg IVP (max 12 mg)  
Sedate w/ Midazolam 0.1 mg/kg slow IV  
(max. dose 4 mg)  
Cardioversion 1 j/kg  
Cardioversion 2 j/kg

## V-FIB/ PULSELESS V-TACH

CPR for 2 min (unwitnessed)  
Airway/O<sub>2</sub> /ETT/IV *or* IO  
Monitor/AED - Defib @ 2 j/KG  
If witnessed, Defib immediately  
Epi 0.01 mg/kg 1:10,000 IV/IO (0.1 ml/kg)  
*or* Epi 0.1 mg/kg 1:1,000 ETT  
Defib 4 J/kg after each drug dose  
Amiodarone 5 mg/kg (max 300 mg) IV/IO  
Amiodarone 5 mg/kg (max 300 mg) IV/IO  
Treat possible causes  
If no IV  
Lidocaine 1 mg/kg (max 100 mg) ETT  
If conversion to perfusing rhythm  
If after Lidocaine bolus  
Lidocaine drip 20-50 mcg/kg/min

## POISONING/OVERDOSE

Airway/IV 0.9 NS TKO/O<sub>2</sub> via NRB  
Narcan 0.1 mg/kg (max 2 mg) IV *or*  
Narcan 0.1 mg/kg (max 2 mg) IN  
For tricyclic overdose:  
**\* Sodium Bicarb 1mEq/kg IVP**  
For Calcium Channel overdose  
**\* Calcium Chloride 0.2 ml/kg IVP**  
(max 500 mg)  
**\* Glucagon 1 mg IM/IVP**  
For Beta Blocker overdose  
**\* Glucagon 1 mg IM/IVP**

## DIALYSIS PT. in ARREST

Calcium Chloride 0.2 ml/kg IVP  
(max 500 mg)  
Flush IV line  
Sodium Bicarb 1 mEq/kg slow IVP

## NEONATAL RESUSCITATION

If HR <100 BVM  
If HR < 60 bpm  
Chest compressions @ 120/min  
Epi 0.01 mg/kg 1:10,000 IV/IO *or*  
Epi 0.1 mg/kg ETT  
Repeat Epi q 3 min  
Consider 10 ml/kg fluid bolus  
Consider Narcan 0.1 mg/kg IV/IO/ETT  
If blood sugar < 40 mg/dl:  
Dextrose 12.5% 1 ml/kg IV

## SMOKE INHALATION/CYANIDE

**\*Sodium Thiosulfate 12.5 g if >25 kg *or***  
**1.65 ml/kg (max 12.5 g) if <25 kg**  
No Orders needed if in Cardiac arrest



Courtesy of

Physician's Orders

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