

# PEDIATRIC DOSING GUIDE

## GREEN: 30-36kg/66-80lbs

### Normal Vital Signs

| HR asleep | HR awake | Respiratory Rate | Systolic BP | Diastolic BP | MAP   |
|-----------|----------|------------------|-------------|--------------|-------|
| 58-90     | 75-118   | 18-25            | 97-115      | 57-76        | 66-72 |

|                         |              |                          |                 |                  |
|-------------------------|--------------|--------------------------|-----------------|------------------|
| NS Fluid Bolus: 20ml/kg | <b>660ml</b> | DEFIBRILLATION: 2, 4J/kg | 1st: <b>66J</b> | 2nd: <b>132J</b> |
|-------------------------|--------------|--------------------------|-----------------|------------------|

|                                 |          |                         |                 |                 |
|---------------------------------|----------|-------------------------|-----------------|-----------------|
| Blade for Foreign Body Removal: | <b>3</b> | CARDIOVERSION: 1, 2J/kg | 1st: <b>33J</b> | 2nd: <b>66J</b> |
|---------------------------------|----------|-------------------------|-----------------|-----------------|

| Medication   | Concentration   | Dose   | Dose in mg                                       | Dose in ml   | Details  |
|--|---|--|--|--|--|
| <b>ADENOSINE</b>                                       | 6mg/2ml<br>(3mg/ml)   | 0.1mg/kg RIVP<br><span style="color: red;">Max 1st dose: 6mg</span><br><span style="color: red;">Max 2nd dose: 12mg</span>     | <u>1st:</u><br>3.3mg<br><br><u>2nd:</u><br>6.6mg | <u>1st:</u><br>1.1ml<br><br><u>2nd:</u><br>2.2ml     | RIVP w/ 10ml NS flush<br>MR x1 double the dose<br>(0.2mg/kg) |
| <b>ALBUTEROL</b>                                       | 2.5mg/3ml   | 2.5mg/3ml HHN  | 2.5mg  | 3ml  | MR x1  |
| <b>AMIODARONE</b><br>(Pulseless arrest)                | 150mg/3ml<br>(50mg/ml)  | 5mg/kg IV/IO<br><span style="color: red;">Max single dose: 300mg</span>  | 165mg  | 3.3ml  | 20ml NS flush<br>MR x2 refractory rhythm                     |
| <b>ATROPINE</b><br>(Bradycardia)                       | 1mg/10ml<br>(0.1mg/ml)  | 0.02mg/kg IV/IO<br><span style="color: red;">Min dose: 0.1mg</span><br><span style="color: red;">Max single dose: 0.5mg</span> | 0.5mg  | 5ml  | MR x1 in 3-5 min   |
| <b>ATROPINE</b><br>(Organophosphate poisoning)         | <u>Preload:</u><br>1mg/10ml<br>(0.1mg/ml)<br><br><u>Vial:</u><br>0.4mg/ml | 0.05mg/kg IV/IO  | 1.7mg  | <u>Preload:</u><br>17ml<br><br><u>Vial:</u><br>4.1ml | MR q5-10 min until symptoms resolve                          |
| <b>DEXTROSE</b>  | 10%   | 5ml/kg IV/IO<br><span style="color: red;">Max dose: 125ml</span>   |  | 125ml  | Give over 10 min   |
| <b>DIPHENHYDRAMINE</b><br><i>Benadryl</i>              | 50mg/ml   | 1mg/kg IM/IV/IO<br><span style="color: red;">Max dose: 50mg</span>   | 33mg   | 0.7ml  |  |
| <b>EPINEPHRINE</b><br>(Cardiac arrest/<br>Bradycardia) | 1mg/10ml<br>(0.1mg/ml)  | 0.01mg/kg IV/IO  | 0.33mg   | 3ml  | MR q3-5 min  |
| <b>EPINEPHRINE</b><br>(Allergic reaction/<br>Asthma)   | 1mg/ml  | 0.01mg/kg IM<br><span style="color: red;">Total max dose: 0.6mg</span>   | 0.3mg  | 0.3ml  | MR x1 in 5 min   |
| <b>EPINEPHRINE</b><br>(Upper airway/Stridor)           | 1mg/ml  | 5mg HHN  | 5mg  | 5ml  |  |

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| Medication   | Concentration       | Dose  | Dose in mg                                | Dose in ml                                   | Details  |
|--|---------------------|---|---|--|--|
| <b>FENTANYL</b><br>(Pain)                                  | 50mcg/ml            | 1mcg/kg IV/IO/IM/IN<br>Max dose: 3mcg/kg    | 33mcg                                     | 0.66ml                                       | MR q5 min<br>For IN: split dose<br>equally in each nostril |
| <b>GLUCAGON</b><br>(Hypoglycemia/Beta<br>blocker OD)       | 1mg/ml              | 0.03mg/kg IM<br>Max dose: 1mg               | 1mg                                       | 1ml  | MR x2 q15 min if no IV<br>established                      |
| <b>IPRATROPIUM</b><br><i>Atrovent</i>                      | 500mcg/2.5ml        | 500mcg/2.5ml HHN                            | 500mcg                                    | 2.5ml  |  |
| <b>LIDOCAINE 2%</b><br>preservative free<br>(IO insertion) | 20mg/ml             | 0.5mg/kg slow IO<br>Max dose: 40mg          | <u>1st:</u><br>17mg<br><u>2nd:</u><br>8mg | <u>1st:</u><br>0.8ml<br><u>2nd:</u><br>0.4ml | MR x1 half initial dose<br>(0.25mg/kg)                     |
| <b>MIDAZOLAM</b><br><i>Versed</i><br>(Seizure)             | 5mg/ml              | 0.2mg/kg IM<br>Max single dose 5mg          | 5mg                                       | 1ml  | MR x1 in 10 min  |
| <b>MIDAZOLAM</b><br><i>Versed</i><br>(Seizure)             | 5mg/ml              | 0.2mg/kg IN<br>Max dose 5mg                 | 5mg                                       | 1ml  | Split dose equally in<br>each nostril                      |
| <b>MIDAZOLAM</b><br><i>Versed</i><br>(Seizure)             | 2mg/2ml<br>(1mg/ml) | 0.05mg/kg slow IV/IO<br>Total max dose: 5mg | 1mg                                       | 1ml  | MR x2 q15 min  |
| <b>MIDAZOLAM</b><br><i>Versed</i><br>(Cardioversion)       | 2mg/2ml<br>(1mg/ml) | 0.05mg/kg slow IV/IO<br>Max dose: 1mg       | 1mg                                       | 1ml  |  |
| <b>MORPHINE</b><br>(Pain/burns)                            | 10mg/ml             | 0.1mg/kg IV/IO/IM                           | 3.3mg                                     | 0.3ml  | MR x2 q15 min (IV/IO)<br>MR in 30min (IM)                  |
| <b>NALOXONE</b><br><i>Narcan</i>                           | 2mg/2ml<br>(1mg/ml) | 0.1mg/kg IV/IO/IM/IN<br>Max dose: 2mg       | 2mg                                       | 2ml  | MR q5 min<br>For IN: split dose<br>equally in each nostril |
| <b>ONDANSETRON</b><br><i>Zofran</i>                        | 4mg tab<br>4mg/2ml  | 4mg ODT/slow IV                             | 4mg                                       | 2ml<br>1 tab                                 | Slow IV over 30 sec  |
| <b>SODIUM<br/>BICARBONATE</b>                              | 1mEq/ml             | 1mEq/kg IV/IO                               | 33mEq                                     | 33ml   |  |