



المملكة العربية السعودية
وزارة الحرس الوطني – الشؤون الصحية

Kingdom of Saudi Arabia
Ministry of National Guard- Health Affairs

PEDIATRIC DEPARTMENT
PEDIATRIC EMERGENCY DRUGS
FOR RESUSCITATION

Weight : _____

Date : _____

Verified by: _____

Prepared by: _____

| MEDICATION | STOCKS | DOSE ROUTE | REQUIRED DOSE | | | REMARKS |
|----------------------|-----------------------------------|---|---------------|----------|----------|--|
| EPINEPHRINE | 1:10,000 (1mg/10ml) | 0.01 mg/kg/dose (0.1 ml/kg) Max 1 mg/dose IV/IO | | | | IV/IO Route: <ul style="list-style-type: none"> Undiluted rapid IV/IO push Allow 3-5 minutes interval between each dose. |
| | 1:1000 (1mg/1ml) | 0.1 mg/kg/dose (0.1ml/kg) Max 2.5 mg/dose ET | | | | ET Route: <ul style="list-style-type: none"> Weight ≥ 25 kg :max dose 2.5 . Before ET administration dilute the dose with 1-5 mls NS, followed by 5 manual ventilations. Allow 3-5 minutes interval between each dose. For neonates use 1mg/10ml solution |
| ATROPINE SULPHATE | 1mg/10ml 0.5 mg/ml 0.6mg/ml | 0.02 mg/kg/dose IV/IO Minimum (exclude neonate): 0.1 mg/dose IV/IO Max dose 0.5mg/dose IV/IO | 1mg/10ml | 0.5mg/ml | 0.6mg/ml | -IV/IO Route: Undiluted rapid IV/IO push |
| | | 0.06 mg/kg/dose (Max 2mg/dose) ET | | | | ET Route: Before ET administration dilute the dose with ≤10 mls NS or sterile water, followed by 5 manuals ventilation. |
| AMIODARONE | 150mg/3ml (50mg/ml) | 5mg/kg (Max 300mg/dose) IV/IO | | | | <ul style="list-style-type: none"> Use central line and infuse the medication separately.. Administration rate depends on the indication: <ul style="list-style-type: none"> For Refractory VF/pulseless VT: Undiluted rapid IV/IO push For Perfusing VT: must be diluted before use, infuse the dose over 60 minutes |
| ADENOSINE | 6mg/2ml (3mg/ml) | 1 st dose- 0.1mg/kg (Max 6 mg/dose) IV/IO 2 nd dose -0.2mg/kg (Max 12 mg/dose) IV/IO | | | | <ul style="list-style-type: none"> Undiluted rapid IV/IO push over 1-2 seconds, followed immediately by 5-10 mL NS flush. Inject at peripheral IV site closest to the patient's heart. |
| CALCIUM CHLORIDE 10% | 100mg/ml | 20mg/kg (Dose based on calcium chloride salt) IV/IO Max 2000mg/dose | | | | <ul style="list-style-type: none"> Undiluted IV infused over 5-10 min via central line or intraosseous route. |
| FLUMAZENIL | 0.5 mg/5ml (0.1mg/ml) | 0.01mg/kg/dose IV/IO Max dose 0.2mg/dose | | | | <ul style="list-style-type: none"> Undiluted rapid IV/IO administration over 15-30 seconds |
| GLUCAGON | 1 mg/ml Injection | Neonate 0.2 mg/kg/dose IV/ SubQ/IM (Max-0.5mg/dose) Infant & children fixed dose (<25 kg: 0.5 mg, ≥25 kg: 1 mg) | | | | <ul style="list-style-type: none"> Gently shake the vial until the powder is completely dissolved. Neonate age from day 1 -28 days. |
| LIDOCAINE | 100mg/5ml (20mg/ml) | 1mg/kg/dose (Max 100 mg/dose) IV/IO | | | | IV/IO Route: Undiluted rapid IV/IO push. |
| | | 2 mg/kg/dose ET | | | | ET Route: Before ET administration dilute the dose with 1-5 mls NS, followed by with a flush of 5 ml NS |
| NALOXONE | (0.4 mg/1ml) | wt ≤20kg: 0.1mg/kg/dose Max (2mg/dose) IV/IO wt > 20kg: 2 mg/dose IV/IO | | | | IV/IO Route: Undiluted rapid push over 30 seconds |
| | | 2 times the IV dose ET | | | | ET Route: Dilute the dose with 1-2 mls NS before giving ET; follow with a flush of ≥ 5 ml NS |
| ROCURONIUM | 50mg/5ml (10 mg/ml) | 0.6 mg/kg/dose IV | | | | <ul style="list-style-type: none"> Undiluted rapid IV push |
| Sodium Bicarbonate | 50mEq /50 ml (1mEq/ml) 8.4% | 1 mEq/kg/dose IV/IO | | | | <ul style="list-style-type: none"> For children >2 years :Infuse undiluted slowly For infant and children ≤ 2 years: Dilute the 1mgEq/ml solution as 1:1 with sterile water |
| Sodium Chloride 0.9% | 0.9% NaCl VOLUME EXPANDERS | 20 ml/kg/dose IV/IO | | | | <ul style="list-style-type: none"> Infuse as rapidly as possible Use a large bore needle when infusing |
| DEFIBRILLATION | | Defibrillate 1. 2 J/kg-CPR 5 cycles (2minutes) 2. 4 J/kg-CPR 5 cycles 3. 4 J/kg-CPR 5 cycles | | | | <ul style="list-style-type: none"> For the treatment of VF/Pulseless VT Assess between each shock |
| CARDIOVERSION | | 0.5-1 Joule /kg | | | | For the treatment of SVT ; VT with pulse |