

PAEDIATRIC REFERENCE CARD – NEWBORN

(Revised: March 2019)



NEWBORN (birth to 24 hours)

3kg

FOR CARDIAC ARREST

ETT size: 3mm		ETT length: 14cm	
AIRTRAQ: GREY	LMA size: 1 or 1.5		IGT size: 5 FG
SHOCK: 15 joules		CPR: one third of chest depth – rate 100/min – 3:1	

The emphases in resuscitation of a newborn are:

- tactile stimulation**
- ventilation** (with air; add 100% O₂ with CPR)
- chest compressions** (if HR <60/min)
- prevent heat loss**

IV attempts are unlikely to be successful;
 IO should not be attempted;
 adrenaline (only) may be given down the ETT.

DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000 IV / IO	0.01mg/kg	0.03 mg	0.3 ml
	1mg in 10ml		
ADRENALINE 1:10,000 ETT	0.02mg/kg	0.06 mg	0.6 ml
	1mg in 10ml		

FOR POST RESUSCITATION MANAGEMENT

DRUG / ROUTE	PREPARATION	DOSE (weight)	DOSE (ml)
IV FLUID NaCl 0.9%	10ml/kg	30 ml	30 ml
GLUCOSE 10% IV	0.25g (2.5ml)/kg	0.75 g	7.5 ml
	50g in 500ml		
GLUCAGON IM	weight < 20kg = 0.5 IU	0.5 IU	0.5 ml
	1 IU in 1ml		

OTHER

DRUG / ROUTE	PREPARATION	DOSE (weight)	DOSE (ml)
MIDAZOLAM FOR FITTING	0.1mg/kg	0.3 mg	0.3 ml
	5mg in 5ml		

	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	30 – 60/min	90 – 150/min	50 – 70 mmHg

NEWBORN (birth to 24 hours)

3kg

doses (ml) are rounded up to the nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – INFANT

(Revised: March 2019)



INFANT (24 hours to 6 months)

5kg

FOR CARDIAC ARREST

ETT size: 3mm

ETT length: 14cm

AIRTRAQ: GREY

LMA size: 1.5 (4-8ml inflation)

IGT size: 5 FG

SHOCK: 20 joules

CPR: one third of chest depth – rate 100/min – 15:2

DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.05 mg	0.5 ml
	1mg in 10ml		
AMIODARONE dilute to 10ml	5mg/kg	25 mg	1.7 ml (when diluted to 10ml)
	150mg in 10ml		
MAGNESIUM dilute to 10ml	50mg/kg	250 mg	1 ml (when diluted to 10ml)
	2.5g in 10ml		
SODIUM BICARBONATE	1mMol/kg	5 mMol	5 ml
	50mMol in 50ml		

FOR FLUID RESUSCITATION

CAUSE	DOSE	VOLUME
STANDARD / BURNS	10ml/kg	50 ml
CARDIAC ARREST	20ml/kg	100 ml
SEPSIS/ANAPHYLAXIS	20ml/kg	100 ml

FOR UPPER AIRWAY SWELLING

DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	2.5 mg	2.5 ml
	1mg in 1ml		
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.05 mg	0.05 ml (0.5ml if diluted to 10ml)
	1mg in 1ml		

OTHER

DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
MIDAZOLAM FOR FITTING	0.1mg/kg	0.5 mg	0.5 ml
	5mg in 5ml		
CEFTRIAXONE	50mg/kg	250 mg	2.5 ml
	1g – reconstitute to 10ml		

	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	25 – 60/min	90 – 175/min	50 – 100mmHg

INFANT (24 hours to 6 months)

5kg

doses (ml) are rounded up to the nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 6 MONTHS

(Revised: March 2019)



6 MONTHS		7kg	
FOR CARDIAC ARREST			
ETT size: 3mm		ETT length: 14cm	
AIRTRAQ: GREY	LMA size: 1.5 (4-8ml inflation)	IGT size: 5 FG	
SHOCK: 30 joules	CPR: one third of chest depth – rate 100/min – 15:2		
DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.07 mg	0.7 ml
	1mg in 10ml		
AMIODARONE dilute to 10ml	5mg/kg	35 mg	2.3 ml (when diluted to 10ml)
	150mg in 10ml		
MAGNESIUM dilute to 10ml	50mg/kg	350 mg	1.4 ml (when diluted to 10ml)
	2.5g in 10ml		
SODIUM BICARBONATE	1mMol/kg	7 mMol	7 ml
	50mMol in 50ml		
FOR FLUID RESUSCITATION			
CAUSE	DOSE	VOLUME	
STANDARD / BURNS	10ml/kg	70 ml	
CARDIAC ARREST	20ml/kg	140 ml	
SEPSIS/ANAPHYLAXIS	20ml/kg	140 ml	
FOR UPPER AIRWAY SWELLING			
DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	3.5 mg	3.5 ml
	1mg in 1ml		
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.07 mg	0.07 ml (0.7ml if diluted to 10ml)
	1mg in 1ml		
OTHER			
MIDAZOLAM FOR FITTING	0.1mg/kg	0.7 mg	0.7 ml
	5mg in 5ml		
CEFTRIAXONE	50mg/kg	350 mg	3.5 ml
	1g – reconstitute to 10ml		
	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	25 – 40/min	100 – 175/min	60 – 100mmHg
6 MONTHS		7kg	

doses (ml) are rounded off to nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 12 MONTHS

(Revised: March 2019)



12 MONTHS (1 year)		11kg	
FOR CARDIAC ARREST			
ETT size: 4mm		ETT length: 14cm	
AIRTRAQ: PURPLE	LMA size: 2 (6-12ml inflation)	IGT size: 10 FG	
SHOCK: 50 joules		CPR: one third of chest depth – rate 100/min – 15:2	
DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.11 mg	1.1 ml
	1mg in 10ml		
AMIODARONE dilute to 10ml	5mg/kg	55 mg	3.7 ml (when diluted to 10ml)
	150mg in 10ml		
MAGNESIUM dilute to 10ml	50mg/kg	550 mg	2.2 ml (when diluted to 10ml)
	2.5g in 10ml		
SODIUM BICARBONATE	1mMol/kg	11 mMol	11 ml
	50mMol in 50ml		
FOR FLUID RESUSCITATION			
CAUSE	DOSE	VOLUME	
STANDARD / BURNS	10ml/kg	110 ml	
CARDIAC ARREST	20ml/kg	220 ml	
SEPSIS/ANAPHYLAXIS	20ml/kg	220 ml	
FOR UPPER AIRWAY SWELLING			
DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	5 mg	5 ml
	1mg in 1ml	MAX DOSE	MAX DOSE
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.11 mg	0.11 ml (1.1ml if diluted to 10ml)
	1mg in 1ml		
OTHER			
MIDAZOLAM FOR FITTING	0.1mg/kg	1.1 mg	1.1 ml
	5mg in 5ml		
CEFTRIAZONE	50mg/kg	550 mg	5.5 ml
	1g – reconstitute to 10ml		
	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	20 – 40/min	90 – 170/min	60 – 100mmHg
12 MONTHS (1 year)		11kg	

doses (ml) are rounded off to nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 2 YEARS

(Revised: March 2019)



2 YEARS		13kg	
FOR CARDIAC ARREST			
ETT size: 4mm		ETT length: 14cm	
AIRTRAQ: PURPLE	LMA size: 2 (6-12ml inflation)		IGT size: 10 FG
SHOCK: 50 joules		CPR: one third of chest depth – rate 100/min – 15:2	
DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.13 mg	1.3 ml
	1mg in 10ml		
AMIODARONE dilute to 10ml	5mg/kg	65 mg	4.3 ml (when diluted to 10ml)
	150mg in 10ml		
MAGNESIUM dilute to 10ml	50mg/kg	650 mg	2.6 ml (when diluted to 10ml)
	2.5g in 10ml		
SODIUM BICARBONATE	1mMol/kg	13 mMol	13 ml
	50mMol in 50ml		
FOR FLUID RESUSCITATION			
CAUSE	DOSE	VOLUME	
STANDARD / BURNS	10ml/kg	130 ml	
CARDIAC ARREST	20ml/kg	260 ml	
SEPSIS/ANAPHYLAXIS	20ml/kg	260 ml	
FOR UPPER AIRWAY SWELLING			
DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	5 mg MAX DOSE	5 ml MAX DOSE
	1mg in 1ml		
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.13 mg	0.13 ml (1.3ml if diluted to 10ml)
	1mg in 1ml		
OTHER			
MIDAZOLAM FOR FITTING	0.1mg/kg	1.3 mg	1.3 ml
	5mg in 5ml		
CEFTRIAZONE	50mg/kg	650 mg	6.5 ml
	1g – reconstitute to 10ml		
	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	20 – 35/min	85 – 140/min	70 – 110mmHg
2 YEARS		13kg	

doses (ml) are rounded off to nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 3 YEARS

(Revised: March 2019)



3 YEARS		15kg	
FOR CARDIAC ARREST			
ETT size: 4mm		ETT length: 14cm	
AIRTRAQ: PURPLE	LMA size: 2 (6-12ml inflation)		IGT size: 10 FG
SHOCK: 70 joules		CPR: one third of chest depth – rate 100/min – 15:2	
DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.15 mg	1.5 ml
	1mg in 10ml		
AMIODARONE dilute to 10ml	5mg/kg	75 mg	5 ml (when diluted to 10ml)
	150mg in 10ml		
MAGNESIUM dilute to 10ml	50mg/kg	750 mg	3 ml (when diluted to 10ml)
	2.5g in 10ml		
SODIUM BICARBONATE	1mMol/kg	15 mMol	15 ml
	50mMol in 50ml		
FOR FLUID RESUSCITATION			
CAUSE	DOSE	VOLUME	
STANDARD / BURNS	10ml/kg	150 ml	
CARDIAC ARREST	20ml/kg	300 ml	
SEPSIS/ANAPHYLAXIS	20ml/kg	300 ml	
FOR UPPER AIRWAY SWELLING			
DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	5 mg MAX DOSE	5 ml MAX DOSE
	1mg in 1ml		
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.15 mg	0.15 ml (1.5ml if diluted to 10ml)
	1mg in 1ml		
OTHER			
MIDAZOLAM FOR FITTING	0.1mg/kg	1.5 mg	1.5 ml
	5mg in 5ml		
CEFTRIAZONE	50mg/kg	750 mg	7.5 ml
	1g – reconstitute to 10ml		
	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	20 – 35/min	85 – 140/min	70 – 110mmHg
3 YEARS		15kg	

doses (ml) are rounded off to nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 4 YEARS

(Revised: March 2019)



4 YEARS		17kg	
FOR CARDIAC ARREST			
ETT size: 5mm		ETT length: 16cm	
AIRTRAQ: PURPLE	LMA size: 2 (6-12ml inflation)		IGT size: 10 FG
SHOCK: 70 joules		CPR: one third of chest depth – rate 100/min – 15:2	
DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.17 mg	1.7 ml
	1mg in 10ml		
AMIODARONE dilute to 10ml	5mg/kg	85 mg	5.7 ml (when diluted to 10ml)
	150mg in 10ml		
MAGNESIUM dilute to 10ml	50mg/kg	850 mg	3.4 ml (when diluted to 10ml)
	2.5g in 10ml		
SODIUM BICARBONATE	1mMol/kg	17 mMol	17 ml
	50mMol in 50ml		
FOR FLUID RESUSCITATION			
CAUSE	DOSE	VOLUME	
STANDARD / BURNS	10ml/kg	170 ml	
CARDIAC ARREST	20ml/kg	340 ml	
SEPSIS/ANAPHYLAXIS	20ml/kg	340 ml	
FOR UPPER AIRWAY SWELLING			
DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	5 mg MAX DOSE	5 ml MAX DOSE
	1mg in 1ml		
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.17 mg	0.17 ml (1.7ml if diluted to 10ml)
	1mg in 1ml		
OTHER			
MIDAZOLAM FOR FITTING	0.1mg/kg	1.7 mg	1.7 ml
	5mg in 5ml		
CEFTRIAZONE	50mg/kg	850 mg	8.5 ml
	1g – reconstitute to 10ml		
	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	20 – 30/min	80 – 140/min	70 – 110mmHg
4 YEARS		17kg	

doses (ml) are rounded off to nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 5 YEARS

(Revised: March 2019)



5 YEARS		19kg	
FOR CARDIAC ARREST			
ETT size: 5mm		ETT length: 16cm	
AIRTRAQ: PURPLE	LMA size: 2 (6-12ml inflation)		IGT size: 10 FG
SHOCK: 70 joules		CPR: one third of chest depth – rate 100/min – 15:2	
DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.19 mg	1.9 ml
	1mg in 10ml		
AMIODARONE dilute to 10ml	5mg/kg	95 mg	6.3 ml (when diluted to 10ml)
	150mg in 10ml		
MAGNESIUM dilute to 10ml	50mg/kg	950 mg	3.8 ml (when diluted to 10ml)
	2.5g in 10ml		
SODIUM BICARBONATE	1mMol/kg	19 mMol	19 ml
	50mMol in 50ml		
FOR FLUID RESUSCITATION			
CAUSE	DOSE	VOLUME	
STANDARD / BURNS	10ml/kg	190 ml	
CARDIAC ARREST	20ml/kg	380 ml	
SEPSIS/ANAPHYLAXIS	20ml/kg	380 ml	
FOR UPPER AIRWAY SWELLING			
DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	5 mg MAX DOSE	5 ml MAX DOSE
	1mg in 1ml		
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.19 mg	0.19 ml (1.9ml if diluted to 10ml)
	1mg in 1ml		
OTHER			
MIDAZOLAM FOR FITTING	0.1mg/kg	1.9 mg	1.9 ml
	5mg in 5ml		
CEFTRIAZONE	50mg/kg	950 mg	9.5 ml
	1g – reconstitute to 10ml		
	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	20 – 30/min	80 – 140/min	70 – 110mmHg
5 YEARS		19kg	

doses (ml) are rounded off to nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 6 YEARS

(Revised: March 2019)



6 YEARS		21kg	
FOR CARDIAC ARREST			
ETT size: 5mm		ETT length: 16cm	
AIRTRAQ: PURPLE	LMA size: 2.5 (10-20ml inflation)		IGT size: 10 FG
SHOCK: 100 joules		CPR: one third of chest depth – rate 100/min – 15:2	
DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.21 mg	2.1 ml
	1mg in 10ml		
AMIODARONE dilute to 10ml	5mg/kg	105 mg	7 ml (when diluted to 10ml)
	150mg in 10ml		
MAGNESIUM dilute to 10ml	50mg/kg	1.05 g	4.2 ml (when diluted to 10ml)
	2.5g in 10ml		
SODIUM BICARBONATE	1mMol/kg	21 mMol	21 ml
	50mMol in 50ml		
FOR FLUID RESUSCITATION			
CAUSE	DOSE	VOLUME	
STANDARD / BURNS	10ml/kg	210 ml	
CARDIAC ARREST	20ml/kg	420 ml	
SEPSIS/ANAPHYLAXIS	20ml/kg	420 ml	
FOR UPPER AIRWAY SWELLING			
DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	5 mg MAX EFFECT	5 ml MAX EFFECT
	1mg in 1ml		
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.21 mg	0.21 ml (2.1ml if diluted to 10ml)
	1mg in 1ml		
OTHER			
MIDAZOLAM FOR FITTING	0.1mg/kg	2.1 mg	2.1 ml
	5mg in 5ml		
CEFTRIAXONE	50mg/kg	1.05 g	5.25 ml
	2 x 1g vials – reconstitute to 5ml each		
	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	15 – 25/min	70 – 120/min	60 – 110mmHg
6 YEARS		21kg	

doses (ml) are rounded off to nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 7 YEARS

(Revised: March 2019)



7 YEARS		23kg	
FOR CARDIAC ARREST			
ETT size: 5mm		ETT length: 16cm	
AIRTRAQ: PURPLE	LMA size: 2.5 (10-20ml inflation)		IGT size: 10 FG
SHOCK: 100 joules		CPR: one third of chest depth – rate 100/min – 15:2	
DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.23 mg	2.3 ml
	1mg in 10ml		
AMIODARONE not diluted	5mg/kg	115 mg	2.3 ml (not diluted)
	150mg in 3ml		
MAGNESIUM not diluted	50mg/kg	1.15 g	2.3 ml (not diluted)
	2.5g in 5ml		
SODIUM BICARBONATE	1mMol/kg	23 mMol	23 ml
	50mMol in 50ml		
FOR FLUID RESUSCITATION			
CAUSE	DOSE	VOLUME	
STANDARD / BURNS	10ml/kg	230 ml	
CARDIAC ARREST	20ml/kg	460 ml	
SEPSIS/ANAPHYLAXIS	20ml/kg	460 ml	
FOR UPPER AIRWAY SWELLING			
DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	5 mg	5 ml
	1mg in 1ml	MAX DOSE	MAX DOSE
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.23 mg	0.23 ml (2.3ml if diluted to 10ml)
	1mg in 1ml		
OTHER			
MIDAZOLAM FOR FITTING	0.1mg/kg	2.3 mg	2.3 ml
	5mg in 5ml		
CEFTRIAOXONE	50mg/kg	1.15 g	5.75 ml
	2 x 1g vials – reconstitute to 5ml each		
	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	15 – 25/min	70 – 120/min	60 – 110mmHg
7 YEARS		23kg	

doses (ml) are rounded off to nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 8 YEARS

(Revised: March 2019)



8 YEARS		25kg	
FOR CARDIAC ARREST			
ETT size: 6mm		ETT length: 19cm	
AIRTRAQ: GREEN	LMA size: 2.5 (10-20ml inflation)		IGT size: 10 FG
SHOCK: 100 joules		CPR: one third of chest depth – rate 100/min – 15:2	
DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.25 mg	2.5 ml
	1mg in 10ml		
AMIODARONE not diluted	5mg/kg	125 mg	2.5 ml (not diluted)
	150mg in 3ml		
MAGNESIUM not diluted	50mg/kg 2.5g in 5ml	1.25 g	2.5 ml (not diluted)
SODIUM BICARBONATE	1mMol/kg	25 mMol	25 ml
	50mMol in 50ml		
FOR FLUID RESUSCITATION			
CAUSE	DOSE	VOLUME	
STANDARD / BURNS	10ml/kg	250 ml	
CARDIAC ARREST	20ml/kg	500 ml	
SEPSIS/ANAPHYLAXIS	20ml/kg	500 ml	
FOR UPPER AIRWAY SWELLING			
DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	5 mg	5 ml
	1mg in 1ml	MAX DOSE	MAX DOSE
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.25 mg	0.25 ml (2.5ml if diluted to 10ml)
	1mg in 1ml		
OTHER			
MIDAZOLAM FOR FITTING	0.1mg/kg	2.5 mg	2.5 ml
	5mg in 5ml		
CEFTRIAXONE	50mg/kg	1.25 g	6.25 ml
	2 x 1g vials – reconstitute to 5ml each		
	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	15 – 25/min	70 – 110/min	60 – 115mmHg
8 YEARS		25kg	

doses (ml) are rounded off to nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 9 YEARS

(Revised: March 2019)



9 YEARS

27kg

FOR CARDIAC ARREST

ETT size: 6mm

ETT length: 19cm

AIRTRAQ: GREEN

LMA size: 2.5 (10-20ml inflation)

IGT size: 10 FG

SHOCK: 120 joules

CPR: one third of chest depth – rate 100/min – 30:2

DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.27 mg	2.7 ml
	1mg in 10ml		
AMIODARONE not diluted	5mg/kg	135 mg	2.7 ml (not diluted)
	150mg in 3ml		
MAGNESIUM not diluted	50mg/kg	1.35 g	2.7 ml (when diluted to 10ml)
	2.5g in 5ml		
SODIUM BICARBONATE	1mMol/kg	27 mMol	27 ml
	50mMol in 50ml		

FOR FLUID RESUSCITATION

CAUSE	DOSE	VOLUME
STANDARD / BURNS	10ml/kg	270 ml
CARDIAC ARREST	20ml/kg	540 ml
SEPSIS/ANAPHYLAXIS	20ml/kg	540 ml

FOR UPPER AIRWAY SWELLING

DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	5 mg	5 ml
	1mg in 1ml	MAX DOSE	MAX DOSE
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.27 mg	0.27 ml (2.7ml if diluted to 10ml)
	1mg in 1ml		

OTHER

MIDAZOLAM FOR FITTING	0.1mg/kg	2.7 mg	2.7 ml
	5mg in 5ml		
CEFTRIAXONE	50mg/kg	1.35 g	6.75 ml
	2 x 1g vials – reconstitute to 5ml each		

	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	15 – 25/min	70 – 110/min	60 – 115mmHg

9 YEARS

27kg

doses (ml) are rounded off to nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 10 YEARS

(Revised: March 2019)



10 YEARS		30kg	
FOR CARDIAC ARREST			
ETT size: 6mm		ETT length: 19cm	
AIRTRAQ: GREEN	LMA size: 2.5 (10-20ml inflation)		IGT size: 10 FG
SHOCK: 120 joules		CPR: one third of chest depth – rate 100/min – 30:2	
DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.3 mg	3 ml
	1mg in 10ml		
AMIODARONE not diluted	5mg/kg	150 mg MAX DOSE	3 ml (not diluted)
	150mg in 3ml		
MAGNESIUM not diluted	50mg/kg	1.5 g	3 ml (not diluted)
	2.5g in 5ml		
SODIUM BICARBONATE	1mMol/kg	30 mMol	30 ml
	50mMol in 50ml		
FOR FLUID RESUSCITATION			
CAUSE	DOSE	VOLUME	
STANDARD / BURNS	10ml/kg	300 ml	
CARDIAC ARREST	20ml/kg	600 ml	
SEPSIS/ANAPHYLAXIS	20ml/kg	600 ml	
FOR UPPER AIRWAY SWELLING			
DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	5 mg MAX DOSE	5 ml MAX DOSE
	1mg in 1ml		
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.3 mg	0.3 ml (3ml if diluted to 10ml)
	1mg in 1ml		
OTHER			
MIDAZOLAM FOR FITTING	0.1mg/kg	3 mg	3 ml
	5mg in 5ml		
CEFTRIAXONE	50mg/kg	1.5 g	7.5 ml
	2 x 1g vials – reconstitute to 5ml each		
	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	14 – 20/min	60 – 110/min	60 – 120mmHg
10 YEARS		30kg	

doses (ml) are rounded off to nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 11 YEARS

(Revised: March 2019)



11 YEARS

33kg

FOR CARDIAC ARREST

ETT size: 6mm

ETT length: 19cm

AIRTRAQ: GREEN

LMA size: 3 (15-30ml inflation)

IGT size: 14 FG

SHOCK: 120 joules

CPR: one third of chest depth – rate 100/min – 30:2

DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.33 mg	3.3 ml
	1mg in 10ml		
AMIODARONE not diluted	5mg/kg	150 mg MAX DOSE	3 ml (not diluted)
	150mg in 3ml		
MAGNESIUM not diluted	50mg/kg	1.65 g	3.3 ml (not diluted)
	2.5g in 5ml		
SODIUM BICARBONATE	1mMol/kg	33 mMol	33 ml
	50mMol in 50ml		

FOR FLUID RESUSCITATION

CAUSE	DOSE	VOLUME
STANDARD / BURNS	10ml/kg	330 ml
CARDIAC ARREST	20ml/kg	660 ml
SEPSIS/ANAPHYLAXIS	20ml/kg	660 ml

FOR UPPER AIRWAY SWELLING

DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	5 mg MAX DOSE	5 ml MAX DOSE
	1mg in 1ml		
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.33 mg	0.33 ml
	1mg in 1ml		

OTHER

MIDAZOLAM FOR FITTING	0.1mg/kg	3.3 mg	3.3 ml
	5mg in 5ml		
CEFTRIAXONE	50mg/kg	1.65 g	8.25 ml
	2 x 1g vials – reconstitute to 5ml each		

	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	14 – 20/min	60 – 110/min	60 – 120mmHg

11 YEARS

33kg

doses (ml) are rounded off to nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 12 YEARS

(Revised: March 2019)



12 YEARS		36kg	
FOR CARDIAC ARREST			
ETT size: 7mm		ETT length: 21cm	
AIRTRAQ: GREEN	LMA size: 3 (15-30ml inflation)		IGT size: 14 FG
SHOCK: 150 joules		CPR: one third of chest depth – rate 100/min – 30:2	
DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.36 mg	3.6 ml
	1mg in 10ml		
AMIODARONE not diluted	5mg/kg	150 mg MAX DOSE	3 ml (not diluted)
	150mg in 3ml		
MAGNESIUM not diluted	50mg/kg	1.8 g	3.6 ml (not diluted)
	2.5g in 5ml		
SODIUM BICARBONATE	1mMol/kg	36 mMol	36 ml
	50mMol in 50ml		
FOR FLUID RESUSCITATION			
CAUSE	DOSE	VOLUME	
STANDARD / BURNS	10ml/kg	360 ml	
CARDIAC ARREST	20ml/kg	720 ml	
SEPSIS/ANAPHYLAXIS	20ml/kg	720 ml	
FOR UPPER AIRWAY SWELLING			
DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	5 mg MAX DOSE	5 ml MAX DOSE
	1mg in 1ml		
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.36 mg	0.36 ml
	1mg in 1ml		
OTHER			
MIDAZOLAM FOR FITTING	0.1mg/kg	3.6 mg	3.6 ml
	5mg in 5ml		
CEFTRIAXONE	50mg/kg	1.8 g	9 ml
	2 x 1g vials – reconstitute to 5ml each		
	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	14 – 20/min	60 – 100/min	65 – 120mmHg
12 YEARS		36kg	

doses (ml) are rounded off to nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 13 YEARS

(Revised: March 2019)



13 YEARS

39kg

FOR CARDIAC ARREST

ETT size: 7mm

ETT length: 21cm

AIRTRAQ: GREEN

LMA size: 3 (15-30ml inflation)

IGT size: 14 FG

SHOCK: 150 joules

CPR: one third of chest depth – rate 100/min – 30:2

DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.39 mg	3.9 ml
	1mg in 10ml		
AMIODARONE not diluted	5mg/kg	150 mg MAX DOSE	3 ml (not diluted)
	150mg in 3ml		
MAGNESIUM not diluted	50mg/kg	1.95 g	3.9 ml (not diluted)
	2.5g in 5ml		
SODIUM BICARBONATE	1mMol/kg	39 mMol	39 ml
	50mMol in 50ml		

FOR FLUID RESUSCITATION

CAUSE	DOSE	VOLUME
STANDARD / BURNS	10ml/kg	390 ml
CARDIAC ARREST	20ml/kg	780 ml
SEPSIS/ANAPHYLAXIS	20ml/kg	780 ml

FOR UPPER AIRWAY SWELLING

DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	5 mg MAX DOSE	5 ml MAX DOSE
	1mg in 1ml		
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.39 mg	0.4 ml
	1mg in 1ml		

OTHER

MIDAZOLAM FOR FITTING	0.1mg/kg	3.9 mg	3.9 ml
	5mg in 5ml		
CEFTRIAXONE	50mg/kg	1.95 mg	9.75 ml
	2 x 1g vials – reconstitute to 5ml each		

	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	15 – 20/min	60 – 100/min	65 – 120mmHg

13 YEARS

39kg

doses (ml) are rounded off to nearest 0.1/ml

PAEDIATRIC REFERENCE CARD – 14 YEARS

(Revised: March 2019)



14 YEARS		42kg	
FOR CARDIAC ARREST			
ETT size: 7mm		ETT length: 21cm	
AIRTRAQ: GREEN	LMA size: 3 (15-30ml inflation)		IGT size: 14 FG
SHOCK: 170 joules		CPR: one third of chest depth – rate 100/min – 30:2	
DRUG	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:10,000	0.01mg/kg	0.42 mg	4.2 ml
	1mg in 10ml		
AMIODARONE not diluted	5mg/kg	150 mg MAX DOSE	3 ml (not diluted)
	150mg in 3ml		
MAGNESIUM not diluted	50mg/kg	2.1 g	4.2 ml (not diluted)
	2.5g in 5ml		
SODIUM BICARBONATE	1mMol/kg	42 mMol	42 ml
	50mMol in 50ml		
FOR FLUID RESUSCITATION			
CAUSE	DOSE	VOLUME	
STANDARD / BURNS	10ml/kg	420 ml	
CARDIAC ARREST	20ml/kg	840 ml	
SEPSIS/ANAPHYLAXIS	20ml/kg	840 ml	
FOR UPPER AIRWAY SWELLING			
DRUG / ROUTE	PREPARATION	DOSE (mg)	DOSE (ml)
ADRENALINE 1:1,000 NEBULISED	0.5ml/kg	5 mg MAX DOSE	5 ml MAX DOSE
	1mg in 1ml		
ADRENALINE 1:1,000 INTRAMUSCULAR	0.01mg/kg	0.42 mg	0.42 ml
	1mg in 1ml		
OTHER			
MIDAZOLAM FOR FITTING	0.1mg/kg	4.2 mg	4.2 ml
	5mg in 5ml		
CEFTRIAXONE	50mg/kg	2 g MAX DOSE	10 ml MAX DOSE
	1g – reconstitute to 10ml		
	RESPIRATORY RATE	HEART RATE	SYSTOLIC BP
NORMAL VSS	15 – 20/min	60 – 100/min	65 – 120mmHg
14 YEARS		42kg	

doses (ml) are rounded off to nearest 0.1/ml