

PAEDIATRIC LIFE SUPPORT FORMULAE

Weight of the child in kg = (age in years + 4) x 2
(for a child over 10 years of age (age x 3) can be used)

SYSTOLIC BLOOD PRESSURE BY AGE
= 80 + (age in years x 2)

<u>Age in years</u>	<u>Systolic BP (mm Hg)</u>
< 1	70 – 90
2 – 5	80 – 100
6 – 12	90 – 110
> 12	100 – 120

ENDOTRACHEAL TUBES
(for children over 12 months of age)

Internal diameter (mm) = age / 4 + 4
Length (cm) = age / 2 + 12 for an oral tube
Length (cm) = age / 2 + 15 for a nasal tube

ENDOTRACHEAL TUBES
(for children under 12 months of age)

Average fully grown newborn: Internal diameter = 3.0 – 3.5 mm
Average 12 month old Internal diameter = 4.0 - 4.5 mm

FLUID BOLUS

Volume in ml = weight in kg x 20

EPINEPHRINE BOLUSES

1st dose = 0.1 ml / kg 1 : 10 000 (= 10 ug / kg)
2nd dose = 0.1- 1 ml / kg 1 : 10000 (=10 - 100 ug / kg)

DC SHOCKS

1st shock	2 J / kg
2nd shock	2 J / kg
3rd and subsequent shocks	4 J / kg

AIRWAY POSITION

Infant	Neutral
Child	Sniffing (more extended)

CARDIAC MASSAGE

Infant:	2 fingers, one finger breadth below the inter nipple line 5 : 1, 20 cycles per minute, compressing chest by 1 / 3
Child < 8	1 hand, one finger breadth above the xiphisternum, 5 : 1, 20 cycles per minute, compressing chest by 1 / 3
Child > 8	2 hands, two finger breadths above the xiphisternum, 15 : 2, 20 cycles per minute, compressing chest by 1 / 3

OROPHARYNGEAL AIRWAY

Central incisors to angle of mandible

NASOPHARYNGEAL AIRWAY

Tip of the nose to the tragus of the ear

A lert

V oice (responds to)

Pa in (responds to)

U nresponsive