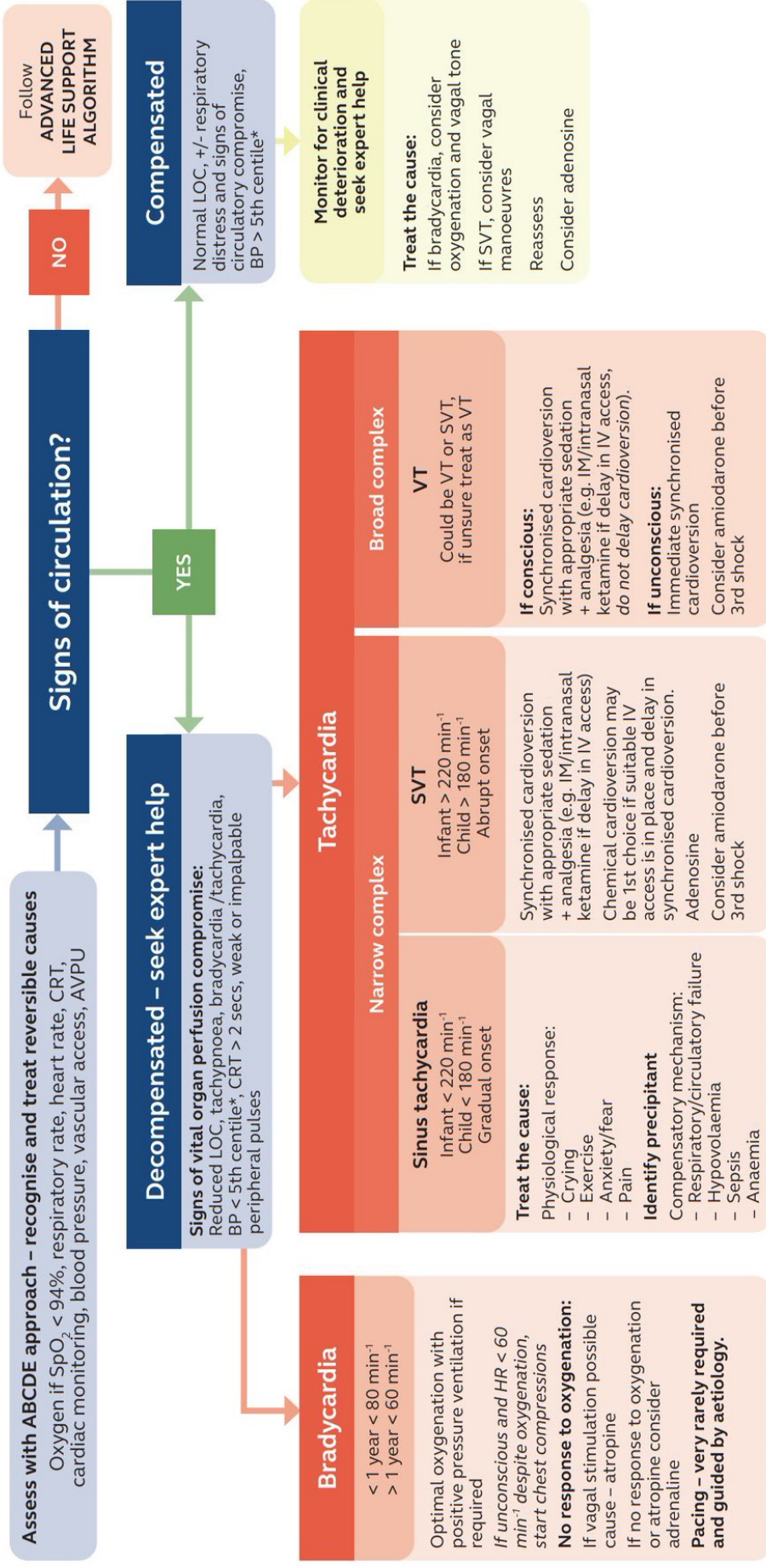




Paediatric cardiac arrhythmias



Age	*Systolic BP 5th centile mmHg
1 month	50
1 year	70
5 years	75
10 years	80

Drug	Atropine	Adrenaline	Adenosine	Amiodarone	Synchronised cardioversion	Magnesium
Treatment	Up to 11 years: 20 mcg kg ⁻¹ . 12–17 years: 300–600 mcg, larger doses may be used in emergency.	For bradycardia: 10 mcg kg ⁻¹ repeat if necessary.	Up to 1 year: 150 mcg kg ⁻¹ , increase 50–100 mcg kg ⁻¹ every 1–2 min. Maximum single dose: Neonates 300 mcg kg ⁻¹ , Infants 500 mcg kg ⁻¹ . 1–11 years: 100 mcg kg ⁻¹ increase 50–100 mcg kg ⁻¹ every 1–2 min. Maximum single dose: 500 mcg kg ⁻¹ (max. 12 mg) 12–17 years: 3 mg IV, if required increase to 6 mg after 1–2 min, then 12 mg after 1–2 min	5 mg kg ⁻¹ – by SLOW IV infusion (> 20 min) before 3rd cardioversion in discussion with paediatric cardiologist/expert	With appropriate sedation + analgesia (e.g. IM/intranasal Ketamine if delay in IV access + airway management) – IV access attempts must not delay cardioversion 1st shock: 1 J kg ⁻¹ 2nd shock: 2 J kg ⁻¹ , consider up to 4 J kg ⁻¹	25–50 mg kg ⁻¹ Maximum per dose 2 g to be given over 10–15 min, may be repeated once if necessary, in Torsades de pointes VT