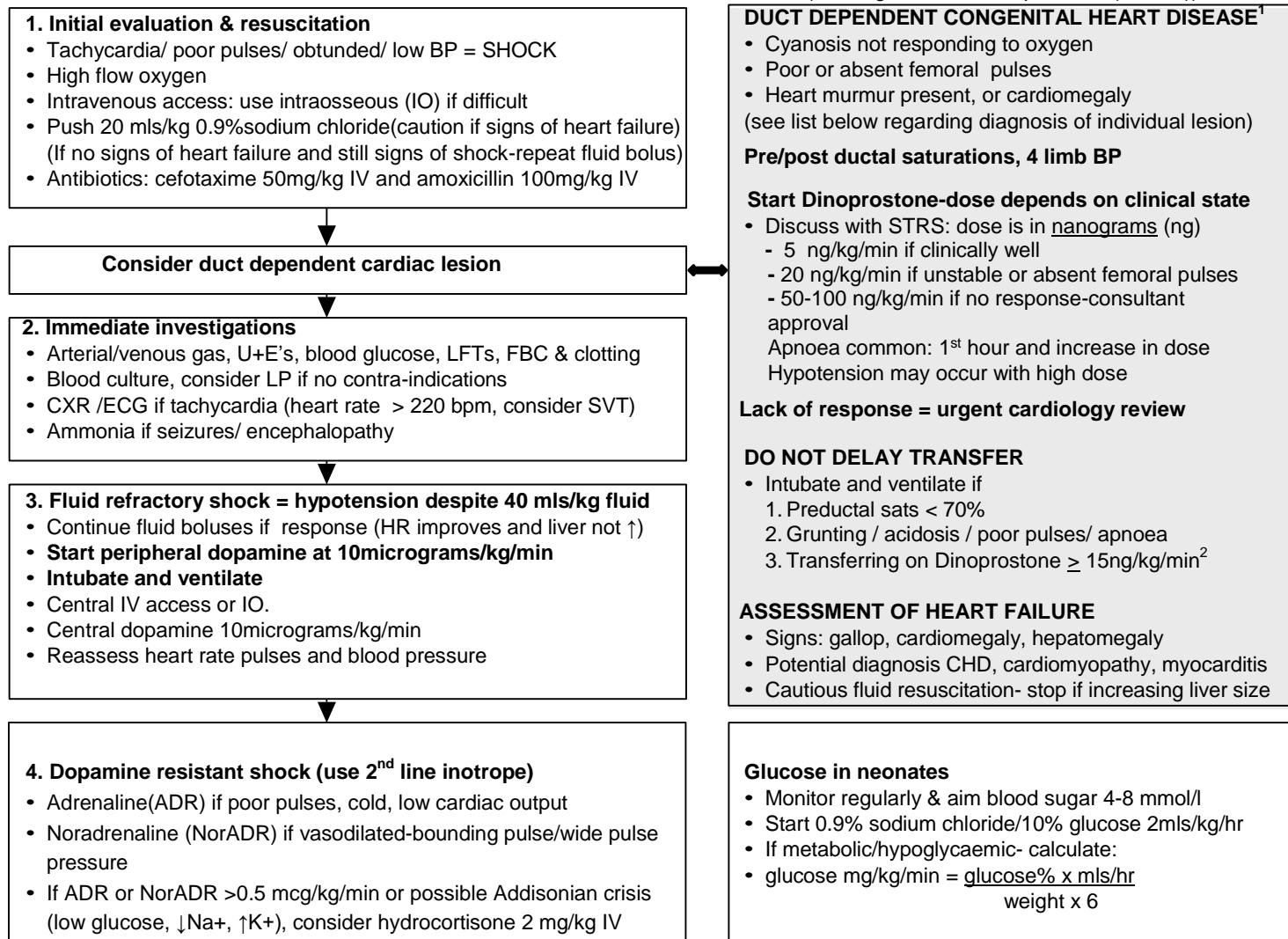


- Non specific presentation: hypothermia, respiratory distress, poor pulses
- Sepsis and cardiac disease commonest cause (both present as shock)
- General supportive measures will improve outcome

- } **1. EARLY VENTILATORY SUPPORT**
2. ANTIBIOTICS (presume sepsis)
3. EARLY PROSTIN (exclude cardiac lesion)
(Prostaglandin E2/Dinoprostone (Prostin))



Sepsis	Group B strep, E Coli	PROM, maternal GBS, fever in labour	→ Cefotaxime 50mg/kg IV and amoxicillin 100mg/kg IV
	Herpes Simplex	↓GCS, coagulopathy, ↑ALT, herpes contact	→ Add Aciclovir 20 mg/kg IV. High index suspicion, history often absent
Cardiac	Pertussis	Apnoea, cough-pt. or contact, ↑WCC (lymph)	→ See pertussis guideline. Add macrolide. 6 hourly FBC- may need exchange Tx.
	Coarctation aorta	Systolic arm/leg gradient > 20 mmHg	→ Urgent Prostin (may need high dose) and support (ventilation/inotropes)
	Hypoplastic Left heart	Poor pulses –may be pink= pulm. overcirculation	→ Prostin. Avoid oxygen-can cause pulm. overcirculation. Target sats 75%
	Transposition (TGA)	Preductal sats < post ductal sats	→ Urgent Prostin. If no response: urgent septostomy
	TAPVD (obstructed)	Shocked & cyanosed/CXR plethoric	→ Prostin may make worse. Need echo confirmation and surgery
	SVT	HR>220 despite fluid, fixed HR, narrow QRS	→ See arrhythmia guideline. Adenosine, if shocked: ventilate +DC shock
	Myocarditis	Cardiac failure, tachycardia, small QRS	→ Supportive (ventilation, inotropes). Consider immunoglobulin. Viral PCRs.
Metabolic	Urea cycle defect	↓GCS, Seizures, ↑ammonia, alkalosis	→ Ammonia >150mmol/L. Repeat to confirm. Metabolic opinion
	Organic acidaemia	Profound metabolic acidosis, ketone positive	→ Supportive (inotropes, ventilation). May co-present with sepsis
	Mitochondrial	↑Lactate, seizures, cardiomyopathy	→ Supportive (inotropes, ventilation). May co-present with sepsis
Trauma	Intracranial bleed	Focal neuro signs, fontanelle↑, retinal bleeds	→ Head CT to exclude neurosurgical problem/ ?NAI ?haemorrhagic disease
	Intra-abdominal bleed	Unexplained anaemia, abdominal bruising	→ Abdominal and head CT, ?non-accidental injury (NAI), ?haemorrhagic disease of newborn