

PALS 25: **SHOCK** Emergencies

Recognizing Shock 160-161

Managing Shock 174-175

Fluid Volume / Rates Table 47 pp 177

Defining Hypotension; Pp 79: Table 21

- Oxygen
- Pulse Oximetry
- ECG Monitoring

- IV / IO Access
- BLS as indicated
- Point of Care glucose testing

Hypovolemic Shock

Nonhemorrhagic

- Stages / Signs of Dehydration: Table 48 pp 183
- 20 ml/kg bolus (over 5-10 minutes)
- Consider Colloids

Hemorrhagic

- Control External Bleeding
- 10-20 ml/kg bolus isotonic bolus
may repeat 2-3x as needed
- Transfuse PRBCs PRN

Distributive Shock

Septic

- See Septic Shock Algorithm
- Pp 188
- Caution with Fluid Resuscitation
 - p 189 ¶ 1

Anaphylactic

- IM Epinephrine
- Fluid Bolus (10-20ml/kg NS/LR)
- Albuterol
- Antihistamine
- Corticosteroids
- Epi infusion PRN

Neurogenic

- 20 ml/kg NS/LR bolus.
Repeat PRN
- Vasopressors

Cardiogenic Shock

Brady/Tachy Arrhythmias

- See Algorithms
- Bradycardia p 218
- Tachycardia p 229

OTHER

CHD, Myocarditis, Cardiomyopathy, Poisoning

- 5-10 ml/kg NS/LR over 10-20 minutes PRN
- Inotropic / Vasoactive Infusion
- Consider Expert Consultation
- Antidotes PRN

Obstructive Shock

Ductal Dependent (LV outflow obstruction)

- Prostaglandin E_i
- Expert Consultation

Tension Pneumothorax

- Needle Decompression
- Tube Thoracostomy

Cardiac Tamponade

- Pericardiocentesis
- 5-10 ml/kg bolus
repeat PRN
- Expert Consultation

Pulmonary Embolism

- 5-10 ml/kg bolus
PRN
- Consider Thrombolytics
- Expert Consultation