Pediatric Shock

Assessment: Consider multiple etiologies of shock (hypovolemic, distributive – neurogenic, septic and anaphylactic, and cardiogenic)

Pre-Medical Control

MFR/EMT/SPECIALIST/PARAMEDIC

1. Follow **Pediatric Assessment and Treatment Protocol**.
2. If anaphylaxis shock suspected follow **Pediatric Anaphylaxis/Allergic Reaction Protocol.**
3. Control major bleeding

SPECIALIST/PARAMEDIC

4. Establish vascular access using an age-appropriate large-bore catheter. If intravenous access cannot be obtained, proceed with intraosseous access. Do not delay transport to obtain vascular access.
5. If evidence of shock, administer an IV/IO fluid bolus 20 ml/kg of normal saline
   A. At 20 ml/kg set to maximum flow rate. Reassess patient after bolus.
   B. If signs of shock persist, bolus may be repeated at the same dose up to a maximum total of 40 ml/kg.

Post-Medical Control

1. Additional IV/IO fluid bolus.

PARAMEDIC

2. Consider Dopamine 5-20 mcg/kg/min. Start at 5 mcg/kg/min, and increase every 10 minutes by an additional 5 mcg/kg/min. DO NOT exceed 20 mcg/kg/min unless ordered by Medical Control.

Assessment: Consider multiple etiologies of shock (hypovolemic, distributive – neurogenic, septic, anaphylactic, and cardiogenic)

Follow **Pediatric Assessment & Treatment Protocol**

If anaphylaxis shock suspected follow **Pediatric Anaphylaxis/Allergic Reaction Protocol**

Control major bleeding

- Establish vascular access using an age-appropriate large bore catheter.
- If IV access cannot be obtained proceed with IO.
- Do not delay transport to obtain vascular access

If evidence of shock, administer IV/IO fluid bolus 20 ml/kg of normal saline

- At 20 ml/kg set to maximum flow rate. Reassess patient after bolus
- If signs of shock persist bolus may be repeated at the same dose up to a max total of 40 ml/kg

Contact Medical Control

- Additional IV/IO fluid bolus
- Consider Dopamine 5 – 20 mcg/kg/min
- Start at 5 mcg/kg/min and increase every 10 minutes by additional 5 mcg/kg/min
- DO NOT exceed 20 mcg/kg/min unless ordered by Medical Control