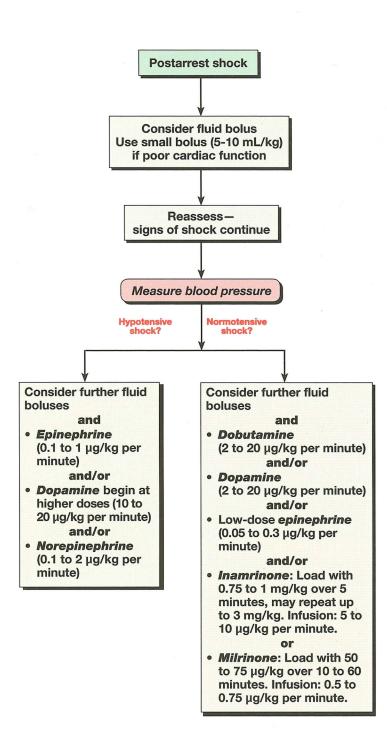
## Postresuscitation Treatment of Shock and Maintenance Fluid Requirements

American Academy of Pediatrics



**Pediatric Advanced Life Support** 



## Estimation of Maintenance Fluid Requirements

 Infants <10 kg: Infusion of D<sub>5</sub> normal saline after initial stabilization at a rate of 4 mL/kg per hour.
For example, the maintenance rate for an 8-kg baby is as follows:

4 mL/kg per hour × 8 kg = 32 mL/h

 Children 10 to 20 kg: Infusion of 0.9% sodium chloride (normal saline) after initial stabilization at a rate of 40 mL/h plus 2 mL/kg per hour for each kilogram between 10 and 20 kg. For example, the maintenance rate for a 15-kg child is as follows:

 $40 \text{ mL/h} + (2 \text{ mL/kg per hour} \times 5 \text{ kg}) = 50 \text{ mL/h}$ 

 Children >20 kg: Infusion of 0.9% sodium chloride (normal saline) after initial stabilization at a rate of 60 mL/hour plus 1 mL/kg per hour for each kilogram above 20 kg. For example, the maintenance rate for a 30-kg child is as follows:

 $60 \text{ mL/h} + (1 \text{ mL/kg per hour} \times 10 \text{ kg}) = 70 \text{ mL/h}$ 

• Shortcut for patients weighing >20 kg:

weight in kg + 40 mL/h

Adjust rate and composition of fluids to child's clinical condition (eg, pulse, blood pressure, systemic perfusion) and level of hydration.