Pediatric Basic Life Support Algorithm for Healthcare Providers—2 or More Rescuers for Suspected or Confirmed COVID-19

Verify scene safety.

- Check for responsiveness.
- Shout for nearby help.
- First rescuer remains with the child. Second rescuer activates emergency response system and retrieves the AED and emergency equipment.

Look for no breathing or only gasping and check pulse (simultaneously). Is pulse definitely felt within 10 seconds?

- Normal breathing, pulse felt
  - Monitor until emergency responders arrive.

- No normal breathing, pulse felt
  - Provide rescue breathing,* 1 breath every 2-3 seconds, or about 20-30 breaths/min using HEPA filter with bag-mask ventilation.
  - Assess pulse rate for no more than 10 seconds.

- No breathing or only gasping, pulse not felt
  - Provide rescue breathing,* 1 breath every 2-3 seconds, or about 20-30 breaths/min using HEPA filter with bag-mask ventilation.
  - Assess pulse rate for no more than 10 seconds.

Start CPR

- First rescuer performs cycles of 30 compressions and 2 breaths.*
- When second rescuer returns, perform cycles of 15 compressions and 2 breaths.
- Use AED as soon as it is available.

Check rhythm.

- Shockable rhythm?
  - Give 1 shock.* Resume CPR immediately for 2 minutes (until prompted by AED to allow rhythm check).
  - Continue until ALS providers take over or the child starts to move.

- Nonshockable rhythm?
  - Resume CPR immediately for 2 minutes (until prompted by AED to allow rhythm check).
  - Continue until ALS providers take over or the child starts to move.

Start CPR

- Yes, HR <60/min with signs of poor perfusion?
  - Continue rescue breathing; check pulse about every 2 minutes.
  - If no pulse, start CPR.

- No
  - Resume CPR immediately for 2 minutes (until prompted by AED to allow rhythm check).

Abbreviations: AED, automated external defibrillation; ALS, advanced life support; CPR, cardiopulmonary resuscitation; HEPA, high-efficiency particulate air; HR, heart rate; PPE, personal protective equipment.

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