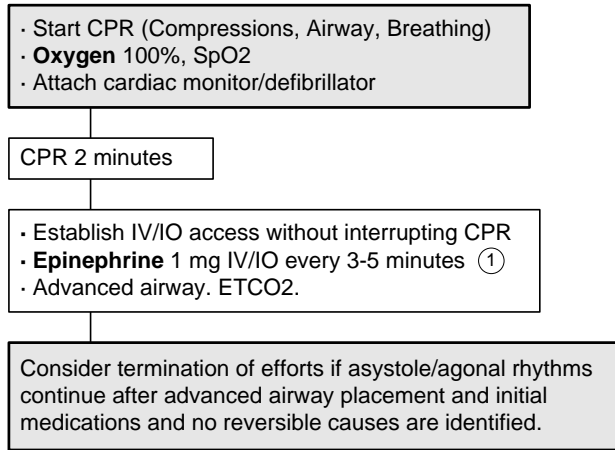


Asystole and PEA

ALS Protocol



① May give one dose of **Vasopressin** 40 units IV/IO to replace first or second dose of **Epinephrine**.

CPR

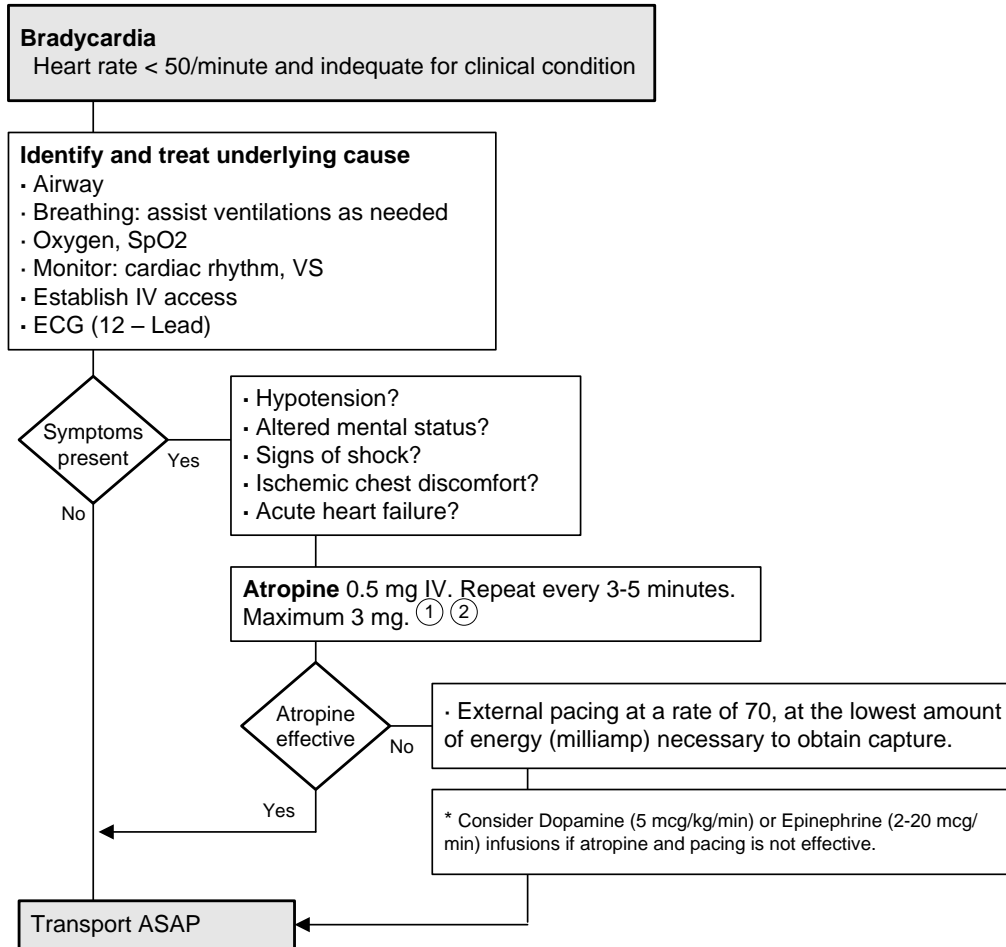
- When intubation complete:** Rescuers no longer deliver “cycles” of CPR. Give continuous chest compressions without pauses for breaths. Give 8–10 breaths/min.
- Compressions:** at least 100/min, push hard (≥ 2 inches), allow full recoil, minimize interruptions.
- Prior to advanced airway: 30 compressions, then 2 breaths.**
- Do not interrupt CPR when giving medications.**

Consider potentially reversible causes:

- Hypovolemia
- Hypoxia
- Hydrogen ion (acidosis)
- Hyperkalemia/hypokalemia
- Hypothermia
- Toxins
- Tamponade, cardiac
- Tension pneumothorax
- Thrombosis (coronary)
- Thrombosis (pulmonary)

Bradycardia

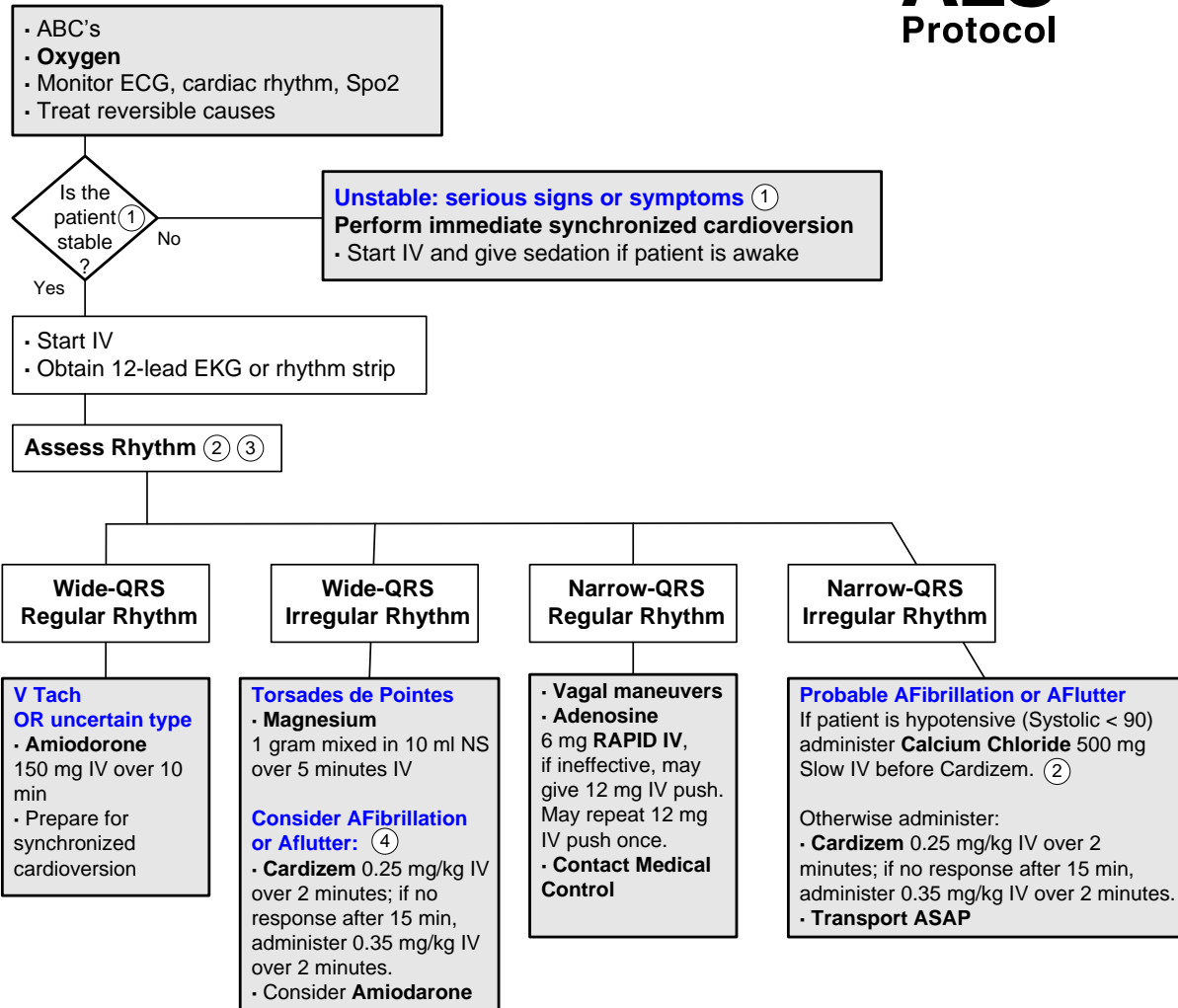
ALS Protocol



- 1 Transplanted hearts will not respond to atropine.
2 Indicated for SB, 1st degree, 2nd degree type one only.

- Consider potentially reversible causes:**
- Hypovolemia
 - Hypoxia
 - Hydrogen ion (acidosis)
 - Hyperkalemia/hypokalemia
 - Hypothermia
 - Toxins
 - Tamponade, cardiac
 - Tension pneumothorax
 - Thrombosis (coronary)
 - Thrombosis (pulmonary)

Tachycardia with Pulses



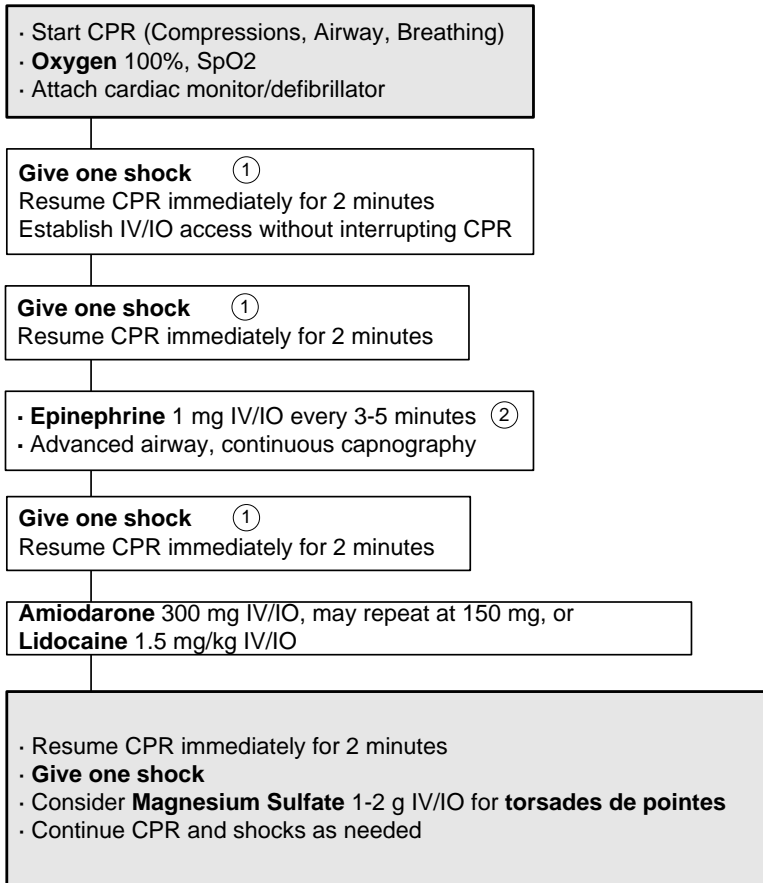
1 Serious signs and symptoms include: altered mental status, chest pain, hypotension.
NOTE: rate-related symptoms uncommon if heart rate < 150 bpm.

2 Contact Medical Control if you have any questions or need expert advise. If patient becomes unstable at any time perform immediate synchronized cardioversion.

3 Wide-QRS = > 0.12 seconds. Narrow-QRS = < 0.12 seconds.

4 If Afib plus WPW avoid using Diltiazem and/or Adenosine. Consider Amiodarone 150 mg over 10 minutes.

Ventricular Fibrillation and Pulseless Ventricular Tachycardia



1 Biphasic: 120-200 J (device-specific), Monophasic 200 J.

2 Vasopressin IV/IO dose: 40 units, one time only, can replace first or second dose of Epinephrine.

CPR

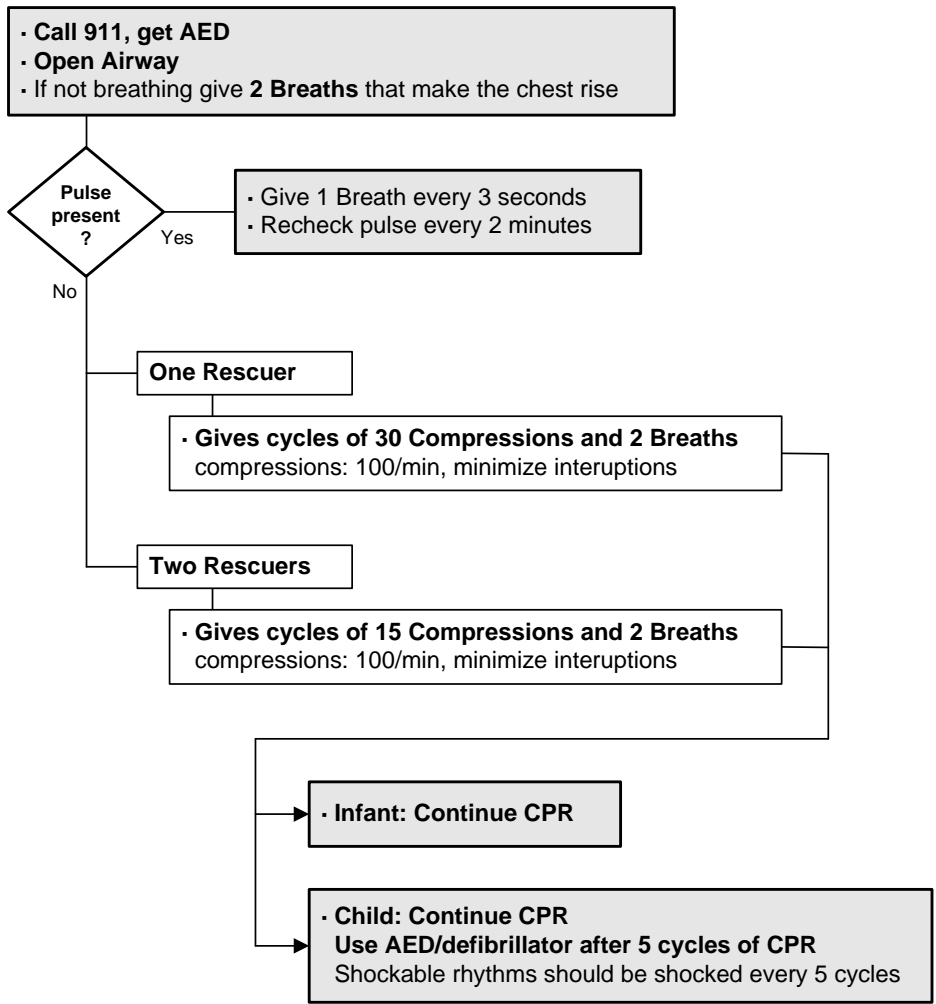
- **When advanced airway complete:** Rescuers no longer deliver “cycles” of CPR. Give continuous chest compressions without pauses for breaths. Give 8–10 breaths/min.
- **Compressions:** at least 100/min, push hard (≥ 2 inches), allow full recoil, minimize interruptions.
- **Prior to advanced airway: 30 compressions, then 2 breaths.**
- **Do not interrupt CPR when giving medications.**

Consider potentially reversible causes:

• Hypovolemia	• Toxins
• Hypoxia	• Tamponade, cardiac
• Hydrogen ion (acidosis)	• Tension pneumothorax
• Hyperkalemia/hypokalemia	• Thrombosis (coronary)
• Hypothermia	• Thrombosis (pulmonary)

Basic Life Support

ALS Protocol

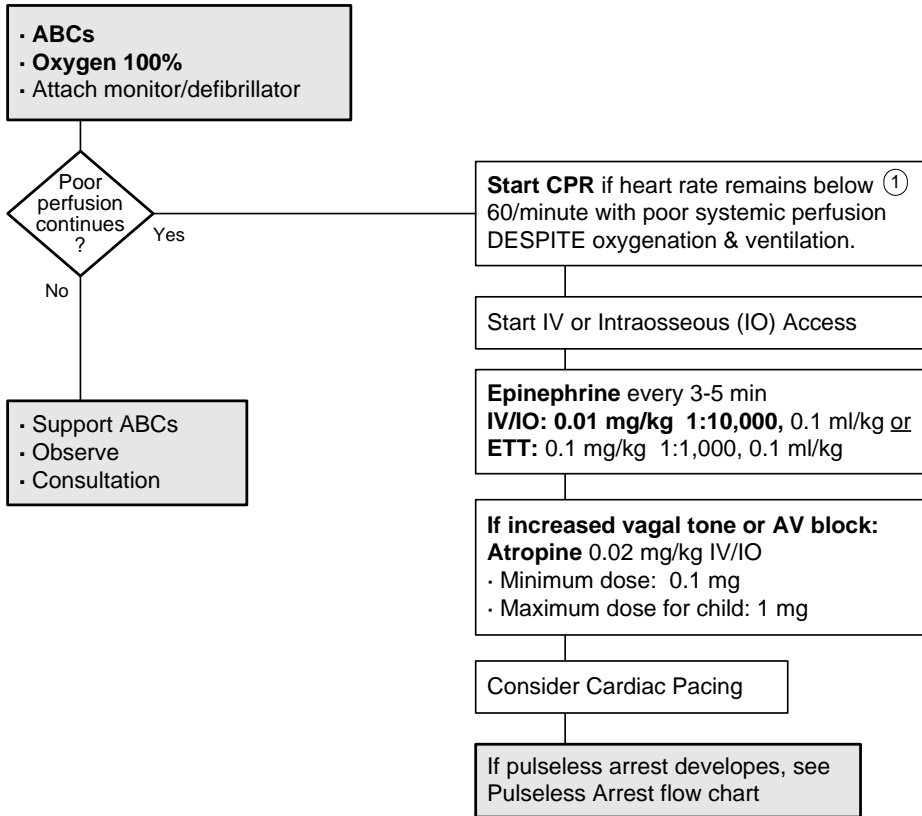


CPR - Child: Continue CPR, use AED after 5 cycles of CPR

- **When intubation complete:** rescuers no longer deliver “cycles” of CPR. Give continuous chest compressions without pauses for breaths. Give 8-10 breaths/minute. Check rhythm every 2 minutes.
- **Compressions:** 100/min, ensure full chest recoil, minimize interruptions.

Bradycardia with poor perfusion
 Pediatric Advanced Life Support

ALS
 Protocol



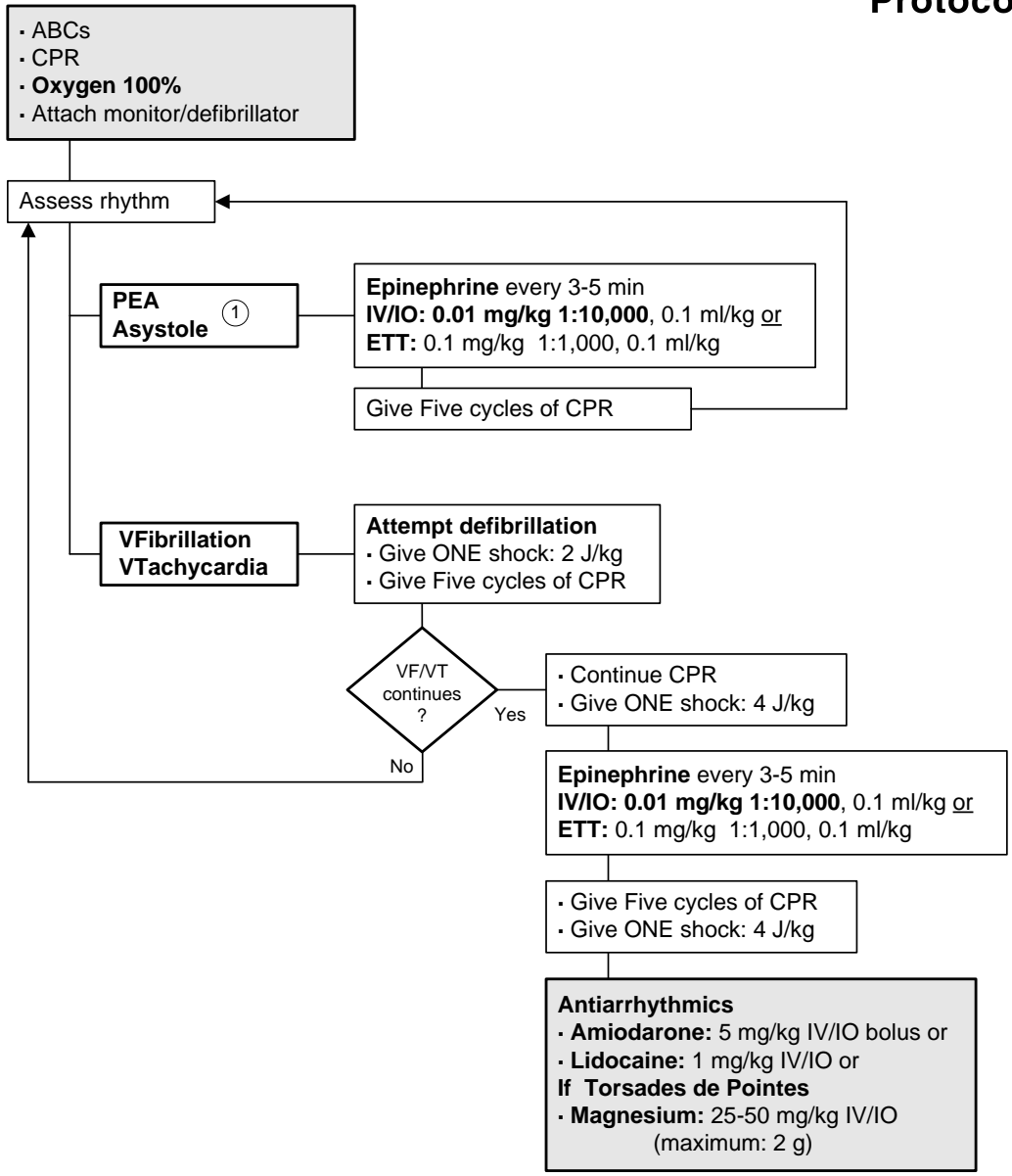
CPR

- **When intubation complete:** rescuers no longer deliver “cycles” of CPR. Give continuous chest compressions without pauses for breaths. Give 8-10 breaths/minute. Check rhythm every 2 minutes.
- **Compressions:** 100/min, ensure full chest recoil, minimize interruptions.
- **One cycle = 30 compressions then 2 breaths.**
- **Do not interrupt CPR when giving medications.**

¹ Hypotension, hypovolemia, hypothermia, electrolytes, tamponade, tension pneumothorax, toxins, (overdose), thromboembolism. Be certain you are providing adequate oxygenation and ventilation.

Pulseless Arrest
Pediatric Advanced Life Support

ALS
Protocol



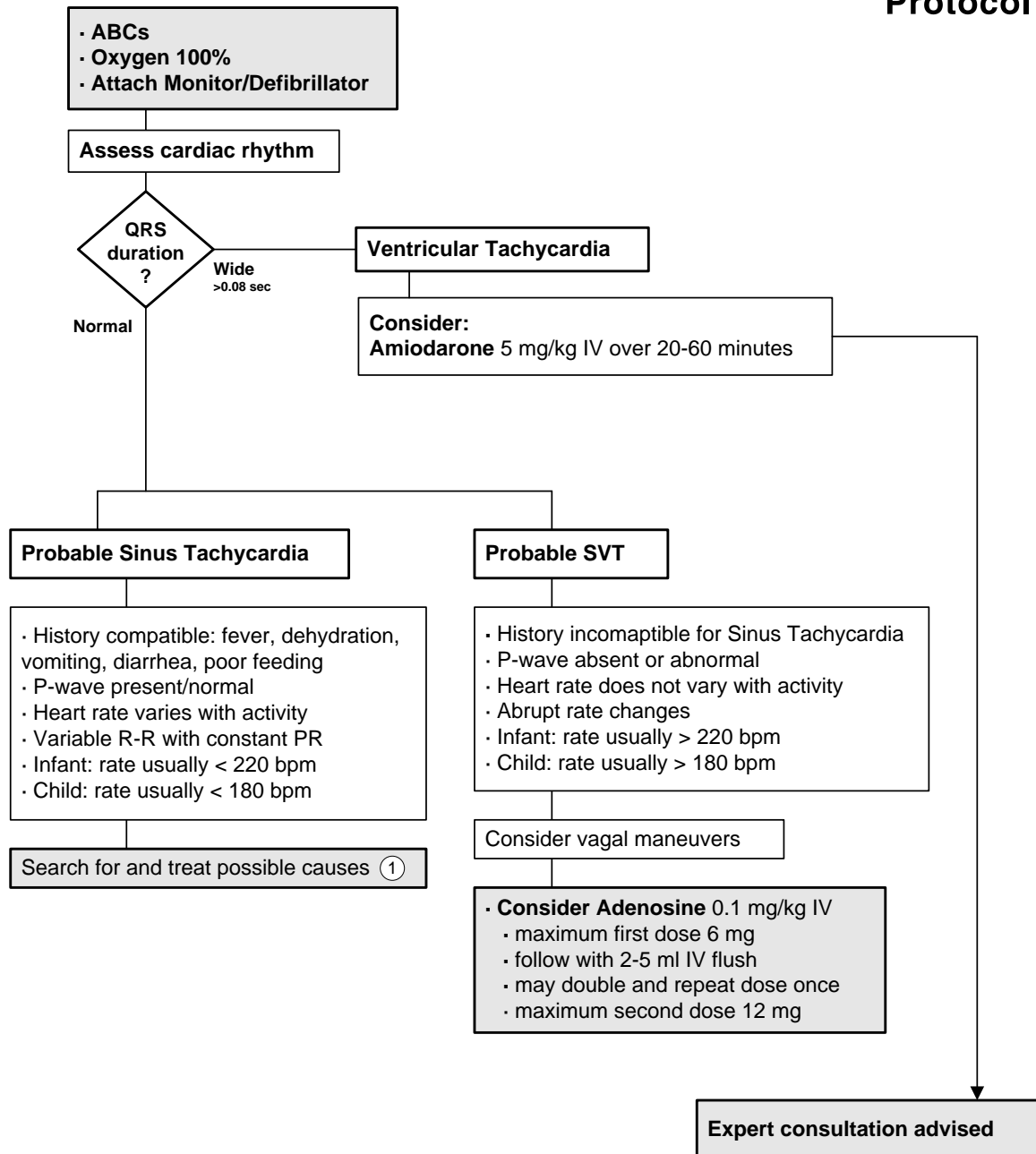
CPR

- **When intubation complete:** rescuers no longer deliver “cycles” of CPR. Give continuous chest compressions without pauses for breaths. Give 8-10 breaths/minute. Check rhythm every 2 minutes.
- **Compressions:** 100/min, ensure full chest recoil, minimize interruptions.
- **One cycle = 30 compressions then 2 breaths.**
- **Do not interrupt CPR when giving medications.**

1 Search for causes: hypovolemia, hypoxia, acidosis, hypokalemia, hypoglycemia, hypothermia, toxins, cardiac tamponade, tension pneumothorax, PE, trauma.

Tachycardia with adequate perfusion
Pediatric Advanced Life Support

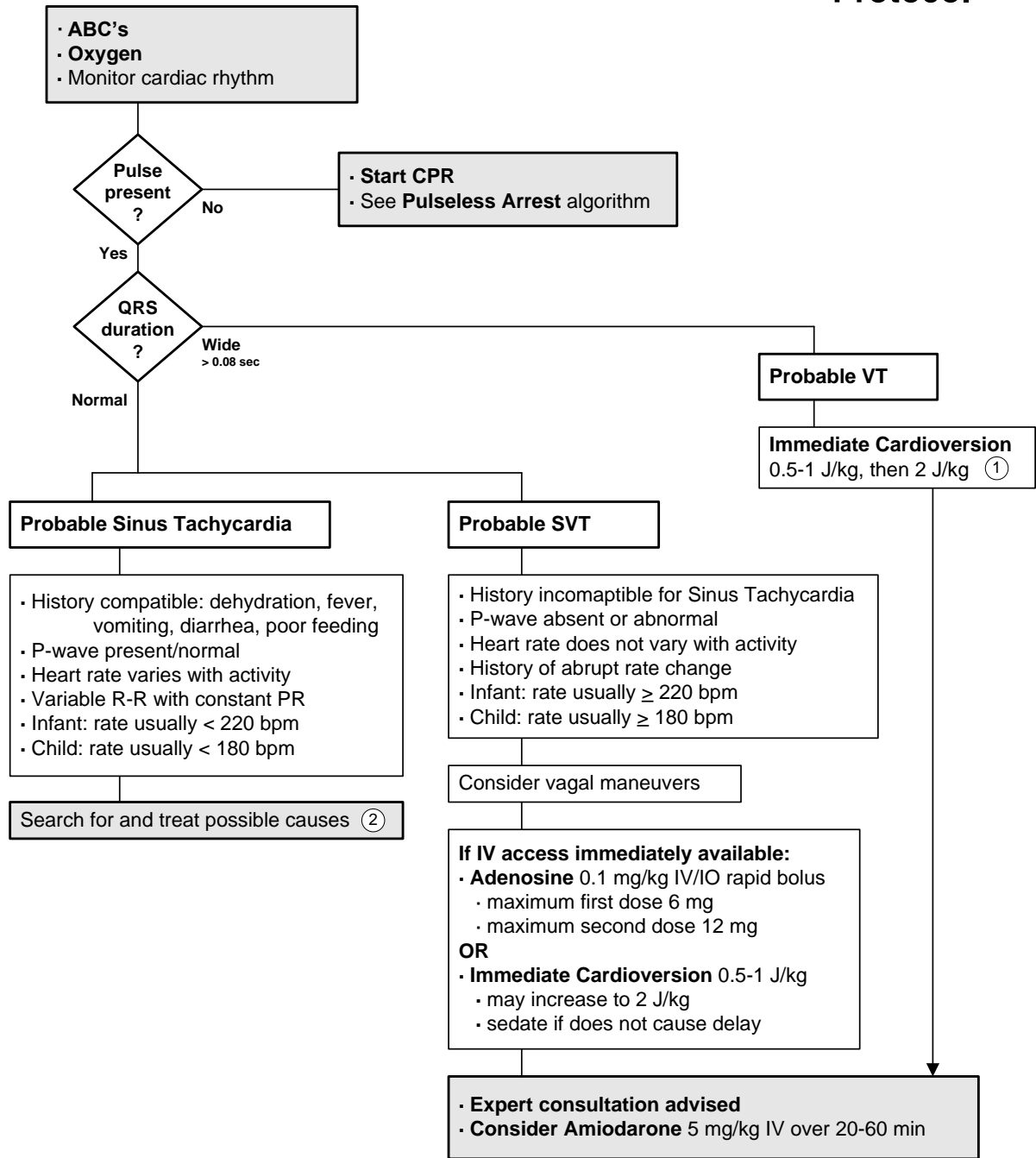
ALS
Protocol



1 Search for causes: hypovolemia, hypoxia, acidosis, hypokalemia, hypoglycemia, hypothermia, toxins, cardiac tamponade, tension pneumothorax, PE, trauma.

Tachycardia with poor perfusion
Pediatric Advanced Life Support

ALS
Protocol



1 Synchronized cardioversion: may use **Adenosine** and/or **sedation prior to cardioversion** yet these efforts should not delay cardioversion.

2 Search for causes: hypovolemia, hypoxia, acidosis, hypokalemia, hypoglycemia, hypothermia, toxins, cardiac tamponade, tension pneumothorax, PE, trauma.