

p. 244

1 BRADYCARDIA

2 **Persistent Bradyarrhythmia causing:**

- Acute altered mental status
- Signs of Shock
- Hypotension

3 **Assessment & Support**

A - maintain **airway** patency
B - assist **breathing** with PPV and oxygenation as necessary
C - cardiac monitor to identify rhythm: monitor pulse, BP, and oximetry

4 **Start CPR** if HR <60/min despite oxygenation and ventilation

5 **Bradycardia Persists?**

6

- Continue CPR if HR <60/min
- IV/IO access
- **Epinephrine 0.01 mg/kg** (0.1 mg/mL concentration every 3-5 mins.
- **Atropine 0.02 mg/kg** May repeat once. Max. dose 0.1 mg. Max. single dose is 0.5 mg
- Consider **Transcutaneous pacing**
- Identify and treat underlying causes (**Hypoxemia, Hypothermia, Toxins/Meds**)

7 **Check pulse every 2 mins**
Pulse present?

8 **Go to Pediatric Cardiac Arrest Algorithm**

No

9

- Support ABCs
- Consider oxygen
- Observe
- 12-Lead ECG
- Identify and treat underlying causes

INITIAL ASSESSMENT

- Assess for scene safety
- Assess for appearance, WOB, and circulation
- Check responsiveness


PRIMARY ASSESSMENT
A.B.C.D.E.

SECONDARY ASSESSMENT
S.A.M.P.L.E.E.

p. 257


1 TACHYCARDIA

Supraventricular Tachycardia



Heart Rates: **Infant: >220** **Child: >180**

Ventricular Tachycardia



2 **Cardiopulmonary compromise?**

- Acute altered mental status
- Signs of Shock
- Hypotension

3 **Vagal maneuvers**
If narrow QRS only

4

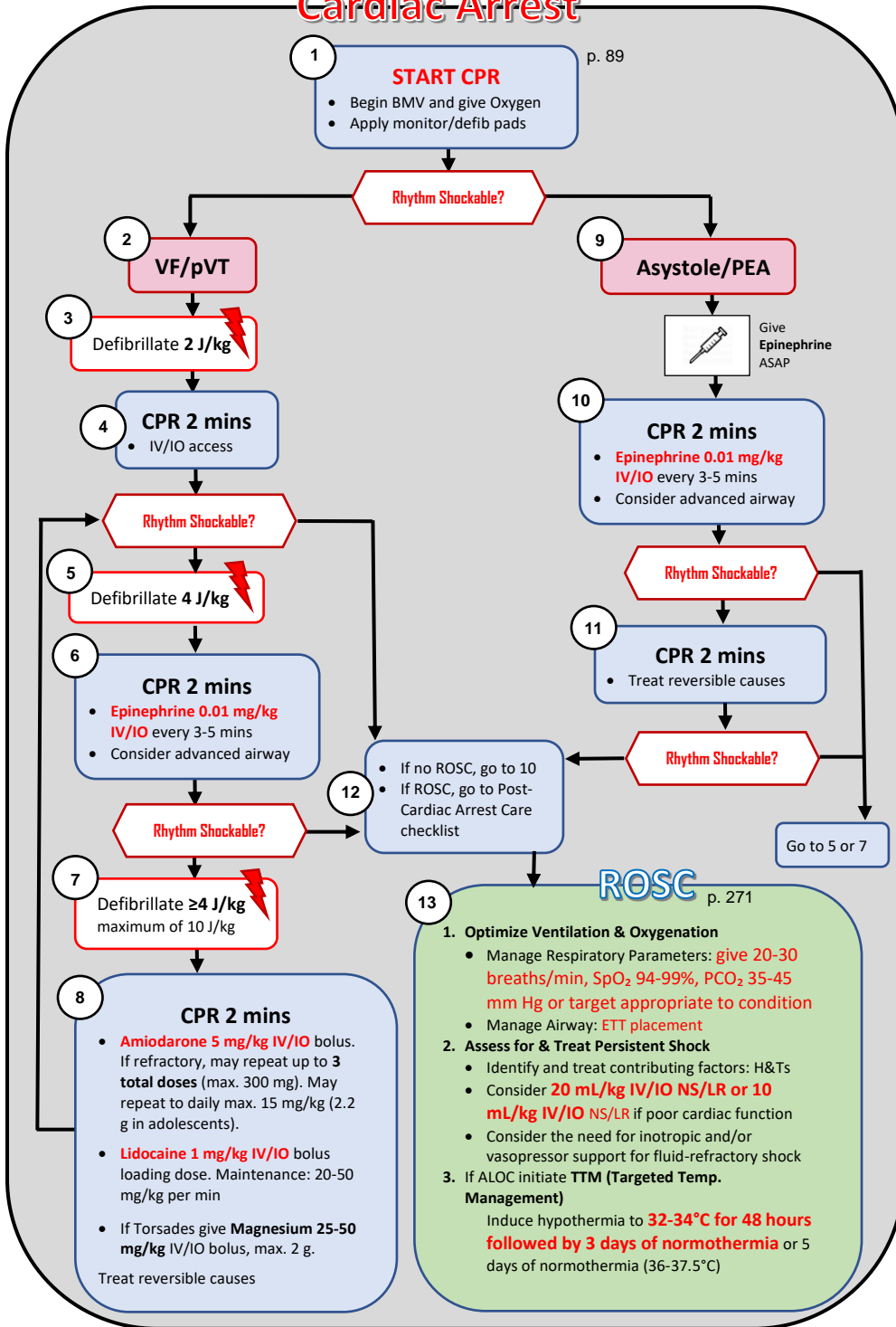
- **Adenosine rapid IV push**
First dose: **0.1 mg/ kg (max of 6 mg)**
Second dose: **0.2 mg/kg (max of 12 mg)**
Use 2-syringes for each dose followed with a rapid flush of 5-10 mL NR/LR
- Consider Adenosine if VT is regular and monomorphic
- Expert consultation is advised before additional drug therapies
- **Amiodarone 5 mg/kg load over 20-60 mins. (max 300 mg).** Repeat to max daily dose of 15 mg/kg (2.2 g in adolescents)

6 **Synchronized Cardioversion**
0.5-1 J/kg max of 2 J/kg

- Sedate if needed but don't delay cardioversion
- If IV/IO access is present for SVT, consider Adenosine before cardioversion

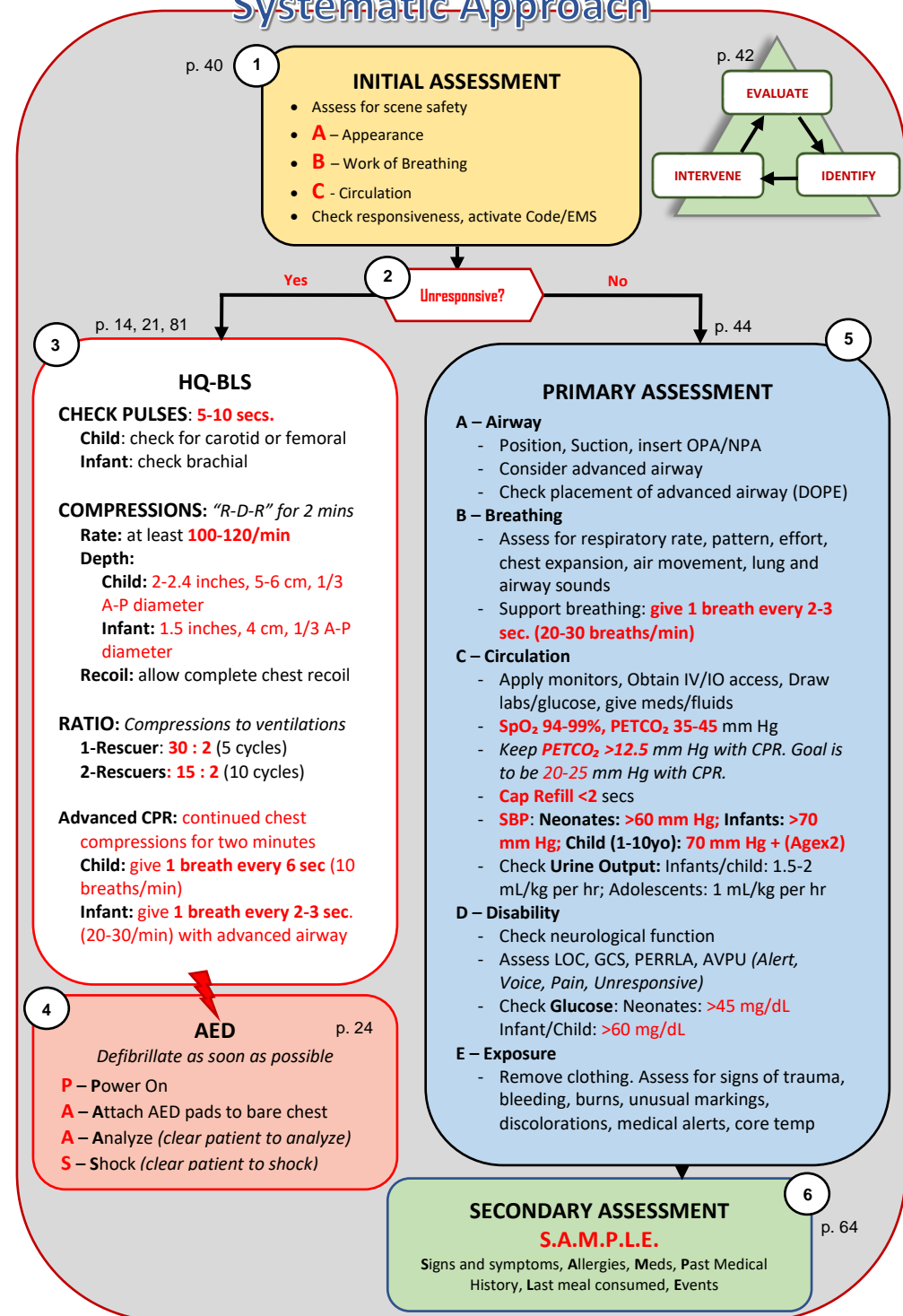
5 **Expert consultation**

Cardiac Arrest



Based on PALS AHA Guidelines 2020

Systematic Approach



By Don Frasco, RN

12-2020 Edition