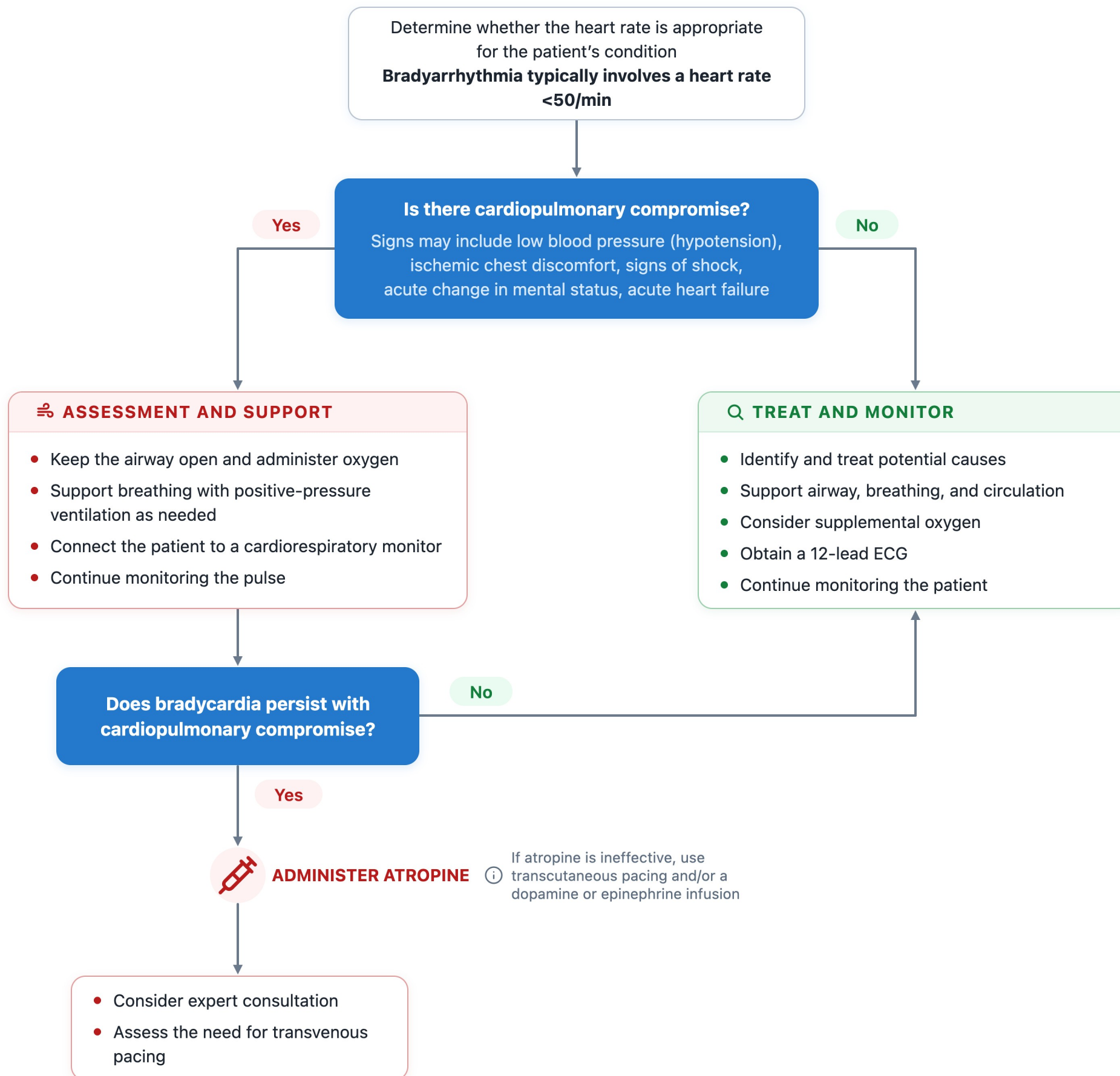


Adult Bradycardia With a Pulse Algorithm



MEDICATION DOSING

- Atropine IV bolus:**
 - First dose: 1 mg
 - Repeat every 3–5 minutes
 - Maximum total dose: 3 mg

If atropine is ineffective:
- Dopamine IV infusion:**
 - Infuse 5–20 mcg/kg per minute
 - Adjust to clinical response; reduce gradually when discontinuing

or
- Epinephrine IV infusion:**
 - Infuse 2–10 mcg per minute
 - Adjust to clinical response

POTENTIAL CAUSES

- Myocardial ischemia or infarction**
- Medication effects or toxicity:** including beta-blockers, calcium channel blockers, and digoxin
- Hypoxia:** inadequate tissue oxygenation
- Electrolyte disturbances:** including hyperkalemia
- Metabolic or endocrine disorders:** such as acidosis or hypothyroidism
- Hypothermia**
- Increased vagal tone**
- Structural heart disease or infection**