

CARDIAC EMERGENCIES

Return Of Spontaneous Circulation C11

RETURN OF SPONTANEOUS CIRCULATION

Following resuscitation from any pulseless rhythm.

1. Monitor for recurrence of arrest rhythm. Administer 10 ventilations per minute if not spontaneously breathing with adequate rate. Do not hyperventilate.
 2. If systolic BP < 90 and pulse \geq 60:
 - **FLUID BOLUS** 500 ml IV or IO
 - Consider **DOPAMINE** infusion beginning at 5 mcg/kg/min if not responsive to fluid bolus (see Table 1)
- If systolic BP < 90 and pulse < 60:
- **TRANSCUTANEOUS PACING** – set rate at 80, start at 10 mA and increase in 10 mA increments until capture is achieved
 - **ATROPINE** 0.5 mg IV or IO if availability of pacing delayed or pacing ineffective. Will not be effective for wide-QRS second- and third-degree blocks.
 - Consider:
 - **FLUID BOLUS** 500 ml IV or IO
 - **DOPAMINE** infusion beginning at 5 mcg/kg/min if not responsive to other measures (see Table 1)
3. 12-lead ECG if patient condition permits
 4. **Contact Base Hospital if any questions or if additional therapy is required**