San Mateo County Emergency Medical Services

Cardiac Arrest - Post Resuscitation (ROSC)

**History**
- Respiratory arrest
- Cardiac arrest

**Signs and Symptoms**
- Return of spontaneous circulation

**Differential**
- Continue to address specific differentials associated with the original dysrhythmia

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**Repeat primary assessment**

**Optimize ventilation and oxygenation**
- Maintain SpO₂ ≥ 92%
- Maintain respiratory rate between 6 – 10/minute for EtCO₂ 35 – 45
- **DO NOT HYPERVENTILATE**
- Apply mechanical CPR device (if available)

**Monitor vital signs**

**Advanced airway placement, if indicated**

**Obtain 12-Lead ECG**

**Establish IO/IV**

- If systolic BP < 90
- **Normal Saline bolus 500ml IV/IO**
- **Maximum 2L**

- If systolic BP < 90
- **Dopamine**

**Transport to STEMI Receiving Center**

**Bradycardia**
- Yes
  - Symptomatic Bradycardia?
    - Yes
      - Notify receiving facility.
      - Consider Base Hospital for medical direction
    - No

**Pears**
- Transmit any EKG that shows STEMI to the receiving hospital.

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Approved STEMI Receiving Centers
- Stanford Health Care
- Kaiser Redwood City
- Sequoia Medical Center
- Mills-Peninsula Medical Center
- Seton Medical Center

Effective November 2018
Treatment Protocol CA04
Effective April 2023