



# County of Santa Cruz

## HEALTH SERVICES AGENCY

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EMERGENCY MEDICAL  
SERVICES PROGRAM

Protocol No. C7  
Reviewed 04/01/2010

### Emergency Medical Services Program

Approved

Medical Director

Subject: BRADYCARDIA/HEART BLOCKS

#### **I. BLS Treatment Protocol:**

- A. Treat life threats (See Policy 4000)
- B. Prepare for transport / transfer of care.

#### **II. ALS Treatment Protocol:**

- A. Treat life threats (See Policy 4000)
- B. Transmit 12-lead-ECG for treatment guidance.
- C. Pulse less than 60 bpm & asymptomatic:**

1. Transport.
2. Contact Base Station.

#### **D. Pulse Less Than 60 bpm, with symptomatic hypotension:**

1. Consider Emergency Transcutaneous Pacing. See Procedure 6000. Use without delay in patients who present *in extremis*.
2. Atropine 1mg IVP/IO. May be administered while awaiting pacing. May repeat dose in 3-5 minutes as needed to alleviate symptoms or increase pulse to 60 bpm. Not to exceed 3mg maximum total dose IVP/IO
3. Transport.
4. Consider positioning, 250ml fluid bolus.
5. Contact Base Station.
6. If persistent hypotension, consider Dopamine 5-10 mcg/kg/min. Start at 5-10 mcg/kg/min. Titrate for effect to a maximum of 20 mcg/kg/min. (See drug list for dosage chart).

#### **Note:**

This guideline is intended to maintain adequate cerebral perfusion by observing mental status.