



County of Santa Cruz

HEALTH SERVICES AGENCY

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EMERGENCY MEDICAL
SERVICES PROGRAM

Protocol No. C7-P
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. **Pulse less than 60 bpm & asymptomatic:**
 1. Treat life threats (See Policy 4000)
 2. Transport.
 3. Consider 12-Lead –ECG. Transmit as needed for treatment guidance.
 4. Contact Base Station.
- B. **Pulse Less Than 60 bpm, and symptomatic** (delayed capillary refill, diminished distal pulses, cool extremities, or altered level of consciousness):
 1. Treat life threats (See Policy 4000)
 2. Consider CPR
 3. Transport
 4. Epinephrine 0.01mg/kg 1:10,000 IV/IO (0.1 ml/kg)
Repeat Epinephrine every 3-5 minutes.*
 5. Atropine 0.02 mg/kg IV/IO (minimum dose 0.1 mg or 1 ml,
maximum total dose 1 mg or 10 ml.
 6. Consider Emergency Transcutaneous Pacing **with Base Station Physician Approval**. *See Procedure 6000*. For patients *in extremis*, Base Station Physician approval is not necessary.
 7. Consider 12-Lead-ECG. Transmit as needed for treatment guidance.

*Newborns: 0-30 days of age **only** receive Epi 1:10,000, regardless of route and subsequent doses. Start with 1:10,000 and stay with 1:10,000 throughout call.