



SIERRA-SACRAMENTO VALLEY EMS AGENCY PROGRAM POLICY

REFERENCE NO. 1110-I

SUBJECT: INFREQUENTLY USED SKILLS – VERIFICATION OF MAINTENANCE

TRANSCUTANEOUS CARDIAC PACING (TCP) ANNUAL SKILLS VERIFICATION

NAME _____ DATE _____

ALS AGENCY _____ EVALUATOR _____

OBJECTIVE: The candidate will demonstrate the ability to correctly identify the need for Transcutaneous Cardiac Pacing on a patient and to properly implement the procedure.

EQUIPMENT: Adult manikin, cardiac monitor with pacing capabilities, rhythm generator, EKG and pacing electrodes, razor / 4x4's / other appropriate skin prep items.

PERFORMANCE CRITERIA AND CONDITIONS: The candidate will be presented with an adult patient in unstable bradycardia. The candidate will identify that the patient is unstable and properly apply and implement Transcutaneous Cardiac Pacing on the patient.

EVENT	DOES	DOES NOT
1. States the indications for TCP <ul style="list-style-type: none">Serious signs and symptoms of poor perfusion caused by bradycardia (Unstable Bradycardia)		
2. States or demonstrates the use of appropriate PPE		
3. Properly prepares and checks equipment		
4. Explains procedure to patient and family and informs that discomfort may occur secondary to nerve stimulation or muscle contraction		
5. Considers pain relief and administers if appropriate (may verbalize) <ul style="list-style-type: none">Midazolam 0.1 mg/kg IV / IO (max dose 4 mg) or 0.2 mg / kg IM / IN (max dose 8 mg) – may repeat x 1 after 2 minutesORMorphine Sulfate 2 – 5 mg IV / IO		
6. Properly places ECG electrodes on patient's chest, far away from pacing electrodes to ensure clear signal. Ensures that ECG electrodes remain attached during demand pacing		
7. Properly places pacing electrodes (combo-patches) on patients chest (May be necessary to place pacing electrodes front / back depending on patients size)		
8. Selects pacing mode on the cardiac monitor		
9. Selects patient rate - start at 80 BPM (common rate is 60-90 BPM)		
10. Selects and sets current to 10 mA and increases by 10 mA increments while assessing for mechanical capture		

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CARDIAC PACING ANNUAL SKILLS VERIFICATION – Cont.

EVENT	DOES	DOES NOT
11. States when capture of electrical stimulus occurs, <ul style="list-style-type: none"> • Recognizes capture on the ECG • Recognizes mechanical capture by patient evaluation of cardiac output, pulses, increase in BP and improved circulatory status 		
12. After achieving mechanical capture, adjusts to lowest current that maintains capture		
13. Able to distinguish failure of capture, under-sensing and over-sensing		