



**REGION 11
CHICAGO EMS SYSTEM
SKILLS**

Title: Transcutaneous Pacing
Section: Cardiac Management
Approved: EMS Medical Directors Consortium
Skill Level: ALS

Name:	Date:
Resource Hospital:	Training Site:
Evaluator:	Signature:

	Points Possible	Points Awarded
Actual Time Started:		
Selects, checks, and assembles equipment		
Cardiac monitor/defibrillator	1	
Cardiac leads	1	
Therapy electrode pads	1	
Therapy cable	1	
States Indications for Procedure		
Bradycardia (HR < 50/min) with a pulse causing the patient to be unstable with signs of shock including hypotension (SBP < 100 mmHg) that continues after atropine administration.	1	
States Contraindications for Procedure		
Pulseless or asymptomatic bradycardia	1	
Performs Procedure		
Apply PPE: gloves	1	
Applies cardiac leads and identifies bradycardia that requires pacing	1	
Identifies and treats underlying causes	1	
Assesses adequate oxygenation	1	
Assesses pulse and blood pressure	1	
Establishes IV access	1	
Considers analgesia prior to procedure per Pain Management protocol	1	
Attaches therapy pads to therapy cable and connects to cardiac monitor/defibrillator	1	
If necessary, clean and dry skin or remove excess chest hair with razor	1	
Apply pads in the anterior-lateral or anterior-posterior placement	1	
Assures safe environment – evaluates the risk of sparks, combustibles, oxygen enriched environment	1	
Activates pacer mode to “PACER”	1	
Notes marker on ECG rhythm near the middle of each QRS complexes	1	
Selects rate and increase to 80 beats per minute	1	
Selects current and increase to 50 mA	1	
Gradually increase delivered current until electrical capture is achieved (observes pacer spikes followed by wide QRS complexes and tall “T waves”)	1	
Palpates the patient’s pulse and checks blood pressure to assess for mechanical capture	1	
Reassess patient condition	1	
If pulseless, discontinue pacing and initiate ICCA	1	



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Actual Time Ended: _____

Total / 25

Critical Criteria:

- Failure to take or verbalize personal protective equipment
- Failure to assess the patient's hemodynamic status before and after administering transcutaneous pacing
- Failure to document rhythm before administering transcutaneous pacing
- Failure to ensure a safe environment before pacing initiated
- Inability to deliver transcutaneous pacing (does not use the machine properly)
- Failure to demonstrate acceptable electrical capture
- Failure to observe the patient for desired effect and adverse side effects
- Failure to manage the patient as a minimally competent Paramedic
- Exhibits unacceptable affect with patient or other personnel
- Uses or orders a dangerous or inappropriate intervention
- Failure to achieve a score of 19 or greater

Successful **Unsuccessful**