



SIERRA-SACRAMENTO VALLEY EMS AGENCY PROGRAM POLICY

REFERENCE NO. 1110-G

SUBJECT: INFREQUENTLY USED SKILLS – VERIFICATION OF MAINTENANCE

ADULT CARDIOVERSION / DEFIBRILLATION ANNUAL SKILLS VERIFICATION

NAME _____ DATE _____

ALS AGENCY _____ EVALUATOR _____

OBJECTIVE: The candidate will demonstrate the ability to recognize the need for both cardioversion and a defibrillatory shock and properly perform both procedures on an adult patient.

EQUIPMENT: Defibrillation manikin, monitor/defibrillator, adult defibrillation paddles with conductive medium or adult defibrillation patches, arrhythmia simulator.

PERFORMANCE CRITERIA AND CONDITIONS: The candidate will be presented with a defibrillation manikin representing a patient with a pulse in unstable V-Tach or SVT. The candidate will assess the patient and treat appropriately to include the delivery of a minimum of two (2) synchronized cardioversion shocks. The candidate will then be advised that the patient has deteriorated into cardiac arrest with a rhythm of pulseless V-Tach or V-Fib. The candidate will re-assess the patient and treat appropriately by delivering multiple unsynchronized defibrillatory shocks.

EVENT	DOES	DOES NOT
1. States the indications for Synchronized Cardioversion in an adult pt. <ul style="list-style-type: none">Unstable SVT or V-Tach with serious signs or symptoms of poor perfusion		
2. States or demonstrates the use of appropriate PPE		
3. Recognizes V-Tach or SVT on the monitor and that patient is unstable		
4. Considers pre-cardioversion sedation (verbalizes) <ul style="list-style-type: none">Midazolam 0.1 mg / kg slow IVP / IO (max dose 4 mg)Midazolam 0.2 mg / kg IM / IN (max dose 8 mg)		
5. Properly applies hands free defibrillator patches or conductive medium		
6. Ensures that “SYNC” button on the monitor is activated and that the synchronization indicators are active on the QRS complex		
7. Selects appropriate cardioversion energy level <ul style="list-style-type: none">50 J if rhythm is SVT100 J if rhythm is V-Tach		
8. Charges defibrillator		
9. If not using hands free defibrillator patches, places paddles on appropriate landmarks with firm pressure		
10. Says “CLEAR” and visually checks that other rescuers are clear of patient		

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EVENT	DOES	DOES NOT
11. Delivers cardioversion by holding down the shock button until the defibrillator discharges		
12. Re-assesses and properly identifies rhythm on the monitor		
13. Repeats steps 6 – 12 a minimum of one (1) time using the appropriate energy level <ul style="list-style-type: none"> • SVT – 100 J, 200 J, 300 J, 360 J • V-Tach – 200 J, 300 J, 360 J 		
*** Candidate is advised that patient has become pulseless and apneic***		
14. Recognizes V-Tach or V-Fib on the monitor		
15. Re-assess patient to confirm absence of spontaneous pulse		
16. Turns off “SYNC” button and selects appropriate defibrillation energy level <ul style="list-style-type: none"> • Biphasic – 200 J, or manufacturer’s recommended energy dose • Monophasic – 360 J 		
17. Charges defibrillator		
18. If not using hands free defibrillator patches, places paddles on appropriate landmarks with firm pressure		
19. Says “CLEAR” and visually checks that other rescuers are clear of patient		
20. Delivers defibrillation shock		
21. Starts CPR x 2 minutes		
22. Reassesses patient rhythm		
23. Repeats steps 14 – 22 a minimum of one (1) time		