



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 – device specific (typically 120 J – 200 J / 200 J if unsure) • 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 | | |