Skill Sheet

Intravenous Infusion of Ketamine

<u>Objective</u>: DEMONSTRATE the correct procedure for administering the recommended dose of ketamine via the intravenous route.

<u>References</u>:

Tactical Combat Casualty Care for Medical Personnel.

Evaluation: Students will be evaluated as a Pass/Fail (P/F). The instructor will verify the student's ability to administer ketamine intravenously by observing the student's procedure and technique.

Materials:

Rugged field saline lock materials IV medication trainer Simulated 20-ml multi-dose vial of ketamine, 10 mg/ml 10-cc syringe One-inch, 18-ga needles NS, 100-cc mini-bag Alcohol swabs TCCC Card (DD Form 1380) Sharps container

Instructor Guidelines:

- 1. Ensure each student has all required materials.
- 2. Read the Learning Objective and the evaluation method to the students.
- 3. Explain the grading of the exercise.

Performance Steps:

- 1. Prepare and inspect equipment.
- 2. Initiate a rugged field saline lock on the IV trainer.
- 3. Explain the procedure as if to the casualty and verbalize the need to ask about known allergies.
- 4. On the simulated medication vial, confirm the correct concentration of ketamine -10 mg/ml.
- 5. Clean the top of the vial with an alcohol swab.
- 6. Attach a needle to the 10-cc syringe.
- 7. Draw 2 cc of air into the syringe.
- 8. Insert the needle into the vial and inject 2cc of air.
- 9. Withdraw 2 cc of simulated ketamine solution into the syringe.
- 10. Confirm a total dose of 20 mg of ketamine in the syringe.
- 11. Withdraw the needle from the vial.
- 12. Detach the used needle from the syringe and discard it into the sharps container.
- 13. Attach a new needle to the syringe.
- 14. Clean the port on the 100-cc mini-bag of NS with an alcohol swab.
- 15. Insert the needle into the port of the mini-bag.
- 16. Draw 8 cc of NS into the syringe.
- 17. Withdraw the needle from the port of the mini-bag.

18. Detach the used needle from the syringe and discard it into the sharps container.

- 19. Attach a new needle to the syringe.
- 20. Clean the injection port on the saline lock with an alcohol swab.
- 21. Insert the needle into the port.
- 22. Push in the 10 cc of diluted simulated ketamine solution over one minute.
- 23. Withdraw the needle from the port.
- 24. Discard the needle/syringe into the sharps container.
- 25. Verbalize observing the casualty for the desired clinical effect and adverse side effects.
- 26. Document medication administration on the TCCC card.

Administer Ketamine Intravenously

Task	Completed		
	1st	2nd	3rd
Prepared and inspected equipment.	P / F	P / F	P / F
Explained the procedure to the instructor, in lieu of a casualty,	P / F	P / F	P / F
and mentioned the need to inquire about known allergies.			
Assured correct concentration of ketamine.			
Correctly diluted 2 cc of simulated ketamine solution (10	P / F	P / F	P / F
mg/ml) in 8 cc of NS for a total dose of 20 mg of simulated			
ketamine in 10 cc total volume in the syringe.			
Infused the 10 cc of simulated ketamine solution over one	P / F	P / F	P / F
minute.			
Verbalized observing the casualty for desired clinical effect and	P / F	P / F	P / F
adverse side effects.			
Properly discarded needles and syringe.			
Maintained aseptic technique throughout.	P / F	P / F	P / F
Documented administration of ketamine on the TCCC card.	P / F	P / F	P / F

Critical Criteria:

_____ Did not check for medication allergy.

_____ Did not properly mix the correct dose of ketamine in the syringe.

_____ Did not infuse the contents of the syringe over one minute.

_____ Violated aseptic technique.

_____ Did not properly dispose of needles and/or syringe.

Evaluator's Comments:

Student Name:	Date:	Date:	
Evaluator:	Pass:	Fail:	
Evaluator.	Га55.	I'all.	