

## Skill Sheet

### Intravenous Infusion of TXA

**Objective:** DEMONSTRATE the correct procedure for administering the recommended dose of tranexamic acid (TXA) via the intravenous route.

**References:**

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 TXA intravenously by observing the student's procedure and technique.

**Materials:**

IV administration set, 10 qtt/cc  
Ruggedized saline lock materials  
IV trainer  
Simulated 1-gm rubber-top vial of TXA in 10 cc sterile water  
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 ruggedized saline lock on the training device.
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 dose of TXA – one gram.
5. Attach a needle to the 10-cc syringe.
6. Draw 10 cc of air into the 10-cc syringe.
7. Clean the top of the TXA vial with an alcohol swab.
8. Insert the needle into the TXA vial.
9. Inject 5 cc of air into the TXA vial.
10. Draw 5cc of the TXA solution into the syringe.
11. Inject 5cc of air into the TXA vial.
12. Draw the remaining 5 cc of TXA solution into the syringe.
13. Confirm that one gram of TXA in 10 cc is now in the syringe.
14. Withdraw the needle from the TXA vial.
15. Detach the needle from the syringe and discard it into the sharps container.
16. Attach a new needle to the syringe.

17. Clean the port on the mini-bag of NS with an alcohol swab.
18. Insert the needle into the port of the mini-bag of NS.
19. Inject the 10 cc of TXA solution into the mini-bag.
20. Withdraw the needle from port of the mini-bag.
21. Discard the needle and syringe into the sharps container.
22. Shake and knead the mini-bag to assure thorough mixing of the TXA .
23. Confirm one gram of TXA is mixed in the 110 cc now in the mini-bag.
24. Clean the injection port on ruggedized saline lock.
25. Attach an IV admin set to the mini-bag of TXA.
26. Connect the other end of the IV admin set to the saline lock.
27. Open the flow through the IV admin set.
28. Adjust the flow through IV admin set to 18 qtt/10sec (= 108 qtt/ min = 10.8 cc/min = 108 cc/10 min). This rate will infuse 1 gm of TXA in 110cc volume in just over 10 minutes.
29. Pretend that just over 10 minutes have passed and the contents of the mini-bag have been infused into the casualty. Verbalize observing the casualty for adverse side effects.
30. Detach and discard the IV admin set and mini-bag.
31. Record TXA administration on the TCCC Card.

### Administer TXA 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, and mentioned the need to inquire about known allergies.	P / F	P / F	P / F
Assured correct dose of TXA.			
Correctly mixed 1 gm of simulated TXA in 100 cc of NS.	P / F	P / F	P / F
Infused the 110 cc of simulated TXA solution over 10+ minutes.	P / F	P / F	P / F
Verbalized observing the casualty for adverse side effects.	P / F	P / F	P / F
Properly discarded needles and syringe.			
Maintained aseptic technique throughout.	P / F	P / F	P / F
Documented administration of TXA 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 TXA in the mini-bag.
- \_\_\_\_\_ Did not infuse the contents of the mini-bag over 10+ minutes.
- \_\_\_\_\_ Violated aseptic technique.
- \_\_\_\_\_ Did not properly dispose of needles and/or syringe.

**Evaluator's Comments:**

Student Name: \_\_\_\_\_ Date: \_\_\_\_\_

Evaluator: \_\_\_\_\_ Pass: \_\_\_\_\_ Fail: \_\_\_\_\_