

IV THERAPY

STATION TIME IS 10 MINUTES		DATE:
CANDIDATE'S NAME:		SCHOOL #:
__EMTI __EMTP	_INITIAL COURSE _RENEWAL	START TIME:
	_EQUIVALENCY _RETEST	END TIME:

- | | | | |
|---|---|-----|--|
| 0 | 2 | *1 | Avoids contamination of equipment |
| 0 | 2 | 2 | Confirms order (solution and rate) |
| 0 | 2 | 3 | Informs patient of order for fluid therapy |
| 0 | 1 | 2 | 4 Selects and prepares equipment including that ordered by Examiner |
| 0 | 2 | *5 | Selects correct I.V. solution and verbalizes check for contamination and expiration date |
| 0 | 2 | *6 | Connects tubing to solution and clears air |
| 0 | 1 | 2 | 7 Applies constricting band and check distal pulse |
| 0 | 2 | *8 | Selects site below constricting band (if used) |
| 0 | 1 | 2 | 9 Cleanses skin with an alcohol/betadine prep using a circular motion working outward |
| 0 | 2 | *10 | Verbalizes inspection of catheter and needle for defects without advancing catheter over the needle |
| 0 | 2 | *11 | Performs steps 4 - 10 before venipuncture. (Steps 1 - 9 may vary in sequence according to local protocol.) |
| 0 | 1 | 2 | *12 Performs venipuncture within three (3) attempts |
| 0 | 2 | *13 | Attaches tubing to the catheter hub |
| 0 | 1 | 2 | 14 Removes constricting band before attempting to verify flow |
| 0 | 2 | *15 | Verifies flow by opening flow control |
| 0 | 2 | *16 | Secures catheter and tubing and dresses site |
| 0 | 2 | *17 | Adjusts drip rate as ordered (30 drops per minute) |
| 0 | 2 | *18 | Disposes of contaminated equipment |
| 0 | 1 | 2 | 19 Labels site |

__ Candidate's total Points (minimum passing total: 27 points)		
Absolutes satisfied: __ Yes __ No (Must have at least one point for each step marked with an *)	__ Pass __ Fail	
Examiner:	Cert. No. (If assigned):	

Documenting Comments: (use back of sheet)

IV THERAPY CRITERIA

TIME ALLOWED FOR SKILL PERFORMANCE - 10 MINUTES

PERFORMANCE OBJECTIVE

Given an I.V. arm or training model and other appropriate equipment, the candidate shall, within the allotted station time, establish an I.V. line in an appropriate vein, secure the line and catheter, and establish a drip rate of 30 drops per minute using the criteria herein prescribed.

TESTING CONDITIONS

1. The Examiner shall insure that station is conducted as a testing station and **NOT** as a teaching session.
2. The station shall test only the skill of Peripheral Venipuncture and shall **NOT** be conducted as a part of any other skill or scenario.
3. Candidates shall be tested in private and one candidate at a time.
4. Examiner shall require gloves to be in place before station time begins. Other protective barriers are recommended.

STATION EQUIPMENT

1. Training model, I.V. arm, or I.V. hand
2. Fluids from local protocol
3. Gauze pads/Band-Aids/commercial dressing
4. Alcohol/betadine preps
5. I.V. tubing (micro and macro)
6. I.V. catheters (catheter over needle) - 16, 18, 20, & 22 gauge
7. I.V. stand
8. Constricting band
9. Gloves and protective eyewear
10. Sharps container
11. Watch or clock with reading in seconds

INSTRUCTIONS TO THE EXAMINER

1. The Course Coordinator, lead Instructor, and Examiner are responsible for insuring the presence of all necessary equipment and also for insuring that all equipment is in working order prior to beginning the test session.
2. This station may be tested in conjunction with I.V. Push.
3. The Examiner will **NOT** remove or hide equipment required to complete the skill.
4. Before the test session begins, the candidate shall be allowed to familiarize with the equipment. During this time the Examiner shall answer any questions the candidate has about the equipment.
5. Scenarios must **NOT** be used except as indicated by the criteria.
6. The Examiner shall prompt candidate **ONLY** as indicated by the criteria.
7. The Examiner, acting as Medical Control, shall instruct candidate to select an administration set, solution, and catheter of the Examiner's choice.
8. Use of betadine may be verbalized to preserve training model.

9. Once a test session has begun, it must be completed in no more than three (3) attempts.
10. Station time shall begin immediately after Examiner finishes examination instructions and informs candidate to begin.
11. The Examiner shall record starting and ending times in the appropriate section of the score sheet.
12. Station time shall **NOT** be restarted or extended for any reason.
13. If station time limit is exceeded, Examiner shall end the test, record skill as failure.
14. Sequence errors shall **NOT** be penalized unless specified by the grading criteria.
15. Additional steps not called for in criteria shall **NOT** be penalized as sequence errors.
16. Documentation by narrative is required on all steps awarded a "0" and on all skills failures.
17. Candidate shall **NOT** fail because of Examiner error.

GRADING CRITERIA

- *1. **Avoids contamination of equipment**
2 = Does not contaminate equipment
0 = Contaminates equipment
2. **Confirms order (solution and rate)**
2 = Performs step
0 = Omits any portion of step
3. **Informs patient of order for fluid therapy**
2 = Performs step
0 = Omits step
4. **Selects and prepares equipment including that ordered by Examiner**
Identifies and selects the following equipment:
 - a. administration set
 - b. constricting band
 - c. gauze, Band-Aid or commercial dressing
 - d. catheter over needle device (16, 18, 20, or 22 gauge)
 - e. alcohol/betadine prep
 - f. tape
2 = Performs above criteria
1 = Omits "b", "c", "e", or "f"
0 = Omits "a" or "d" or chooses inappropriate equipment
- *5. **Selects correct I.V. solution and verbalizes check for contamination and expiration date**
2 = Performs step
0 = Omits any portion of step
- *6. **Connects tubing to solution and clears air**
2 = Performs step
0 = Omits any portion of step

7. **Applies constricting band and checks distal pulse**
 2 = Performs above criteria
 1 = Applies constricting band but does not check pulse
 0 = Does not apply constricting band
- *8. **Selects site below constricting band (if used)**
 2 = Performs step
 0 = Omits step
9. **Cleanses skin with an alcohol/betadine prep using a circular motion working outward**
 2 = Performs above criteria
 1 = Cleanses skin with an alcohol/betadine prep in a manner other than above
 0 = Does not cleanse site
- *10. **Verbalizes inspection of catheter and needle for defects without advancing catheter over the needle**
 2 = Performs above criteria
 0 = Omits step or does not verbalize
- *11. **Performs steps 4 - 10 before venipuncture. (Steps 1 - 9 may vary in sequence according to local protocol.)**
 2 = Performs as above
 0 = Does not perform as above
- *12. **Performs venipuncture within three (3) attempts**
NOTE: Candidate may verbalize change of catheter if making more than one (1) attempt
- a. Stabilizes vein
 - b. Places bevel of needle up
 - c. Inserts needle into vein at selected site
 - d. Threads catheter if blood return present
 - e. Removes needle
 - f. Simulates use of new catheter for further attempts
- 2 = Performs as above
 1 = Omits "a" or "b"
 0 = Omits "c", "d", "e" or "f"
- *13. **Attaches tubing to the catheter hub**
 2 = Performs step
 0 = Omits step or tubing does not remain attached to hub
14. **Removes constricting band before attempting to verify flow**
 2 = Performs step
 1 = Removes constricting band after attempting to verify flow
 0 = Does not remove constricting band
- *15. **Verifies flow by opening flow control**
 2 = Performs step

0 = Omits step

*16. **Secures catheter and tubing and dresses site**

- a. Secures catheter and tubing
- b. Dresses site
- c. Does not cover medication port
- d. Maintains patent IV

2 = Performs above criteria

1 = Omits "b" or "c"

0 = Omits "a" or "d"

*17. **Adjusts the drip rate as ordered (30 drops per minute)**

2 = Performs step

1 = Adjusts flow rate to 24 - 36 drops per minute

0 = Adjusts flow rate to less than 24 or more than 36 drops per minute

*18. **Disposes of contaminated equipment**

- a. Disposes of contaminated equipment using sharps container
- b. Does not recap needle after use

2 = Performs above criteria

0 = Does not perform above criteria

19. **Labels site**

- a. Catheter size
- b. Date and time
- c. Initials

2 = Performs above criteria

1 = Omits "c"

0 = Omits "a" or "b"