



**National Registry of Emergency Medical Technicians  
Advanced Level Psychomotor Examination**

**INTRAVENOUS THERAPY**

Candidate: \_\_\_\_\_ Examiner: \_\_\_\_\_  
Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Level of Testing:  Advanced EMT  Intermediate/99  Paramedic

Actual Time Started: _____	Possible Points	Points Awarded
Checks selected IV fluid for: -Proper fluid (1 point) -Clarity (1 point) -Expiration date (1 point)	3	
Selects appropriate catheter	1	
Selects proper administration set	1	
Connects IV tubing to the IV bag	1	
Prepares administration set [fills drip chamber and flushes tubing]	1	
Cuts or tears tape [at any time before venipuncture]	1	
Takes or verbalizes appropriate PPE precautions [prior to venipuncture]	1	
Applies tourniquet	1	
Palpates suitable vein	1	
Cleanses site appropriately	1	
Performs venipuncture -Inserts stylette (1 point) -Notes or verbalizes flashback (1 point) -Occludes vein proximal to catheter (1 point) -Removes stylette (1 point) -Connects IV tubing to catheter (1 point)	5	
Disposes/verbalizes proper disposal of needle in proper container	1	
Releases tourniquet	1	
Runs IV for a brief period to assure patent line	1	
Secures catheter [tapes securely or verbalizes]	1	
Adjusts flow rate as appropriate	1	
<b>Actual Time Ended: _____</b>	<b>TOTAL</b>	<b>22</b>

**NOTE:** Check here  if candidate did not establish a patent IV within 3 attempts in 6 minutes. Do **not** evaluate the candidate in IV Bolus Medications.

**Critical Criteria**

- \_\_\_ Failure to establish a patent and properly adjusted IV within 6 minute time limit
- \_\_\_ Failure to take or verbalize appropriate PPE precautions prior to performing venipuncture
- \_\_\_ Contaminates equipment or site without appropriately correcting the situation
- \_\_\_ Performs any improper technique resulting in the potential for uncontrolled hemorrhage, catheter shear, or air embolism
- \_\_\_ Failure to successfully establish IV within 3 attempts during 6 minute time limit
- \_\_\_ Failure to dispose/verbalize disposal of blood-contaminated sharps immediately in proper container at the point of use
- \_\_\_ Failure to manage the patient as a competent EMT
- \_\_\_ Exhibits unacceptable affect with patient or other personnel
- \_\_\_ Uses or orders a dangerous or inappropriate intervention

*You must factually document your rationale for checking any of the above critical items on the reverse side of this form.*

**INTRAVENOUS BOLUS MEDICATIONS**

Actual Time Started: _____	Possible Points	Points Awarded
Asks patient for known allergies	1	
Selects correct medication	1	
Assures correct concentration of medication	1	
Assembles prefilled syringe correctly and dispels air	1	
Continues to take or verbalize appropriate PPE precautions	1	
Identifies and cleanses injection site closest to the patient [Y-port or hub]	1	
Reaffirms medication	1	
Stops IV flow	1	
Administers correct dose at proper push rate	1	
Disposes/verbalizes proper disposal of syringe and needle in proper container	1	
Turns IV on and adjusts drip rate to TKO/KVO	1	
Verbalizes need to observe patient for desired effect and adverse side effects	1	
<b>Actual Time Ended: _____</b>	<b>TOTAL</b>	<b>12</b>

**Critical Criteria**

- \_\_\_ Failure to continue to take or verbalize appropriate PPE precautions
- \_\_\_ Failure to begin administration of medication within 3 minute time limit
- \_\_\_ Contaminates equipment or site without appropriately correcting the situation
- \_\_\_ Failure to adequately dispel air resulting in potential for air embolism
- \_\_\_ Injects improper medication or dosage [wrong medication, incorrect amount, or pushes at inappropriate rate]
- \_\_\_ Failure to turn-on IV after injecting medication
- \_\_\_ Recaps needle or failure to dispose/verbalize disposal of syringe and other material in proper container
- \_\_\_ Failure to manage the patient as a competent EMT
- \_\_\_ Exhibits unacceptable affect with patient or other personnel
- \_\_\_ Uses or orders a dangerous or inappropriate intervention

*You must factually document your rationale for checking any of the above critical items on the reverse side of this form.*