



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

**INTRAVENOUS THERAPY**

Candidate: \_\_\_\_\_ Examiner: \_\_\_\_\_

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Level of Testing:     NREMT-Intermediate/85         NREMT-Intermediate/99         NREMT-Paramedic

Time Start: _____	Possible Points	Points Awarded
Checks selected IV fluid for: -Proper fluid (1 point) -Clarity (1 point)	2	
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/verbalizes body substance isolation 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 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>Time End: _____</b>	<b>TOTAL</b>	<b>21</b>

**CRITICAL CRITERIA**

- \_\_\_\_\_ Failure to establish a patent and properly adjusted IV within 6 minute time limit
- \_\_\_\_\_ Failure to take or verbalize body substance isolation precautions prior to performing venipuncture
- \_\_\_\_\_ Contaminates equipment or site without appropriately correcting 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 needle in proper container

**NOTE:** Check here (\_\_\_\_\_) if candidate did not establish a patent IV and do not evaluate IV Bolus Medications.

**INTRAVENOUS BOLUS MEDICATIONS**

Time Start: _____	Possible Points	Points Awarded
Asks patient for known allergies	1	
Selects correct medication	1	
Assures correct concentration of drug	1	
Assembles prefilled syringe correctly and dispels air	1	
Continues body substance isolation precautions	1	
Cleanses injection site [Y-port or hub]	1	
Reaffirms medication	1	
Stops IV flow [pinches tubing or shuts off]	1	
Administers correct dose at proper push rate	1	
Disposes/verbalizes proper disposal of syringe and needle in proper container	1	
Flushes tubing [runs wide open for a brief period]	1	
Adjusts drip rate to TKO/KVO	1	
Verbalizes need to observe patient for desired effect/adverse side effects	1	
<b>Time End: _____</b>	<b>TOTAL</b>	<b>13</b>

**CRITICAL CRITERIA**

- \_\_\_\_\_ Failure to begin administration of medication within 3 minute time limit
- \_\_\_\_\_ Contaminates equipment or site without appropriately correcting situation
- \_\_\_\_\_ Failure to adequately dispel air resulting in potential for air embolism
- \_\_\_\_\_ Injects improper drug or dosage [wrong drug, incorrect amount, or pushes at inappropriate rate]
- \_\_\_\_\_ Failure to flush IV tubing after injecting medication
- \_\_\_\_\_ Recaps needle or failure to dispose/verbalize disposal of syringe and needle in proper container

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