



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

PEDIATRIC INTRAOSSEOUS INFUSION

Candidate: _____ **Examiner:** _____

Date: _____ **Signature:** _____

Time Start: _____	Possible Points	Points Awarded
Checks selected IV fluid for: -Proper fluid (1 point) -Clarity (1 point)	2	
Selects appropriate equipment to include: -IO needle (1 point) -Syringe (1 point) -Saline (1 point) -Extension set (1 point)	4	
Selects proper administration set	1	
Connects administration set to bag	1	
Prepares administration set [fills drip chamber and flushes tubing]	1	
Prepares syringe and extension tubing	1	
Cuts or tears tape [at any time before IO puncture]	1	
Takes or verbalizes body substance isolation precautions [prior to IO puncture]	1	
Identifies proper anatomical site for IO puncture	1	
Cleanses site appropriately	1	
Performs IO puncture: -Stabilizes tibia (1 point) -Inserts needle at proper angle (1 point) -Advances needle with twisting motion until "pop" is felt (1 point) -Unscrews cap and removes stylette from needle (1 point)	4	
Disposes of needle in proper container	1	
Attaches syringe and extension set to IO needle and aspirates	1	
Slowly injects saline to assure proper placement of needle	1	
Connects administration set and adjusts flow rate as appropriate	1	
Secures needle with tape and supports with bulky dressing	1	
Time End: _____	TOTAL	23

CRITICAL CRITERIA

- _____ Failure to establish a patent and properly adjusted IO line within the 6 minute time limit
- _____ Failure to take or verbalize body substance isolation precautions prior to performing IO puncture
- _____ Contaminates equipment or site without appropriately correcting situation
- _____ Performs any improper technique resulting in the potential for air embolism
- _____ Failure to assure correct needle placement before attaching administration set
- _____ Failure to successfully establish IO infusion within 2 attempts during 6 minute time limit
- _____ Performing IO puncture in an unacceptable manner [improper site, incorrect needle angle, etc.]
- _____ Failure to dispose of needle in proper container
- _____ Orders or performs any dangerous or potentially harmful procedure

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