



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

PEDIATRIC INTRAOSSEOUS INFUSION

Candidate: _____ Examiner: _____

Date: _____ Signature: _____

Actual Time Started: _____ 6-minute time limit	Possible Points	Points Awarded
Checks selected IV fluid for: - Proper fluid (1 point) - Clarity (1 point) - Expiration date (1 point)	3	
Selects appropriate equipment to include: - IO needle (1 point) - Syringe (1 point) - Saline (1 point) - Extension set or three-way stopcock (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 or three-way stopcock	1	
Cuts or tears tape [at any time before IO puncture]	1	
Takes or verbalizes appropriate PPE precautions [prior to IO puncture]	1	
Identifies proper anatomical site for IO puncture	1	
Cleanses site appropriately	1	
Performs IO puncture: - Stabilizes tibia without placing hand under puncture site and "cupping" leg (1 point) - Inserts needle at proper angle (1 point) - Advances needle to the appropriate depth (1 point) - Removes stylette (1 point)	4	
Disposes/verbalizes proper disposal of needle in proper container	1	
Attaches syringe and extension set to IO needle and aspirates; or attaches three-way stopcock between administration set and IO needle and aspirates; or attaches extension set to IO needle [aspiration is not required for any of these as many IO sticks are "dry" sticks]	1	
Injects saline to confirm placement	1	
Adjusts flow rate/bolus as appropriate	1	
Secures needle and supports with bulky dressing [tapes securely or verbalizes]	1	
Actual Time Ended: _____	TOTAL	24

CRITICAL CRITERIA

- ___ Fails to establish a patent IO within two attempts
- ___ Uses or orders a harmful intervention
- ___ Exhibits unprofessional behavior

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