**IO Pretest**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Survey**

How many intraosseous line insertions in simulated models have you observed?

|  |
| --- |
|  |

How many intraosseous line insertions in actual patients have you observed?

|  |
| --- |
|  |

How many intraosseous line insertions in simulated models have you performed?

|  |
| --- |
|  |

How many intraosseous line insertions in actual patients have you performed?

|  |
| --- |
|  |

How comfortable do you feel inserting intraosseous lines?

Very Moderately Neutral Moderately Very

Uncomfortable Uncomfortable Comfortable Comfortable

**Procedural Skills Section**

**Locate the proximal humerus**

Resident located without prompting

Yes No

**Locate the proximal tibia**

Resident located without prompting

Yes No

**Locate the distal tibia**

Resident located without prompting

Yes No

**Procedure talk-through:**

Rate each of the performance categories using the following scale:

(5) Completes task efficiently and completely (no verbal guidance)

(4) Completes task with some difficulty (no verbal guidance)

(3) Requires some verbal guidance

(2) Requires detailed verbal guidance

(1) Requires demonstration, unable to complete on own

(0) Skipped item

|  |  |
| --- | --- |
|  | Gathers appropriate equipment:  EZ Connect tubing, Driver, Needleset, Stabilizer, Lidocaine, Syringe, Saline |
|  | Wears gloves |
|  | Prime syringe and EZ Connect tubing with 2% Lidocaine |
|  | Clean area |
|  | Locate landmarks |
|  | Assemble driver needleset on driver remove safety cap |
|  | Push needle through skin until touching bone |
|  | Drill into bone (power driver and advance) |
|  | Remove Power Driver |
|  | Remove stylet |
|  | Place stabilizer if inserting into proximal humerus or in pediatric patients |
|  | Attach EZ Connect tubing to catheter hub |
|  | Slowly administer 2% Lidocaine |
|  | Slowly administer 1 ml saline |
|  | Quickly administer 10 ml saline flush |
|  | Administer additional Lidocaine for pain |
|  | Connect IV tubing |
|  | Pump IV to get pressure |
|  | Check for extravasation and/or leakage |
|  | Place wrist band on patient with date and placement of IO |

Total Score: \_\_\_\_\_\_\_ (100 maximum)