**SKILL: Umbilical Vein Cannulation**

**LEARNER NAME: DATE: / /**

*\*\*Learner expected to introduce him/herself and ask for consent at all times*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **PERFORMANCE** | **Possible Points** | **Points Obtained** | **Competent** | **Omitted** |
|  | Determine the need for umbilical venous catheterization |  |  |  |  |
|  | Selection & preparation of equipment |  |  |  |  |
|  | Set up IV fluid & tubing with a 3-way stopcock |  |  |  |  |
|  | Select a 3.5 or 5-French umbilical catheter or equivalent |  |  |  |  |
|  | Connect the catheter to the stopcock &  purge air / flush the catheter, maintaining sterility |  |  |  |  |
|  | Cleanse the umbilical stump & surrounding skin with antibacterial solution |  |  |  |  |
|  | Loosely tie the umbilical tape around the base of the cord |  |  |  |  |
|  | While holding the umbilical stump firmly, cut/trim the cord perpendicularly with a scalpel 4 fingers above the abdomen |  |  |  |  |
|  | Identify the single, thin-walled umbilical vein |  |  |  |  |
|  | Grasp the edge of the vein & side of the cord with forceps & dilate venous lumen, (or after having trimmed the cord only ¾ the way through, hold the most distal part & bend backwards to dilate the venous lumen) |  |  |  |  |
|  | Insert catheter into vein, & advance it 2 –  4cm, until blood is freely obtained (about  1cm beyond the anterior abdominal wall,  taking care not to advance it too far) |  |  |  |  |
|  | Aspirate blood into the syringe, to clear any air bubbles from the line |  |  |  |  |
|  | Tighten the umbilical tape to secure the  base of the cord and so stabilize the catheter |  |  |  |  |
|  | Secure the catheter in place with tape: “goal-posting” or “bridging” & cover with a sterile dressing |  |  |  |  |
|  | Follow all drug administration with a 0.5 -  1ml normal saline flush |  |  |  |  |
|  |  |  |  |  |  |

References:

* PHECC

**Overall assessment of learner’s performance:**

**NOT YET COMPETENT**

**COMPETENT**

Assessor Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Qualification: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Comments\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_