

Procedure Competency Assessment Tool – Umbilical Vein Cannulation (Neonatal)

Provider: _____

Date: _____

How many of this procedure have you completed thus far? _____

Please circle the descriptor corresponding to the candidate's performance in each category, **irrespective of the training level.**

Indication/Informed Consent:

Novice		Competent		Expert
Not sure of the patient's history, context of the procedure, or has knowledge gaps in procedure contraindications or potential complications		Understands the general indications, contraindications, potential complications, and clinical value of procedure; able to explain to parent/guardian		Clearly articulates the clinical value, potential complications, and alternatives; able to accurately answer all questions to obtain informed consent

Knowledge of Specific Procedure:

Novice		Competent		Expert
Deficient knowledge; unable to articulate procedure steps		Able to articulate all important steps of procedure		Demonstrates familiarity with all aspects of procedure

Procedure Setup:

Novice		Competent		Expert
Does not gather required supplies, poor catheter selection, or does not properly identify landmarks		Gathers key instruments and supplies; selects appropriate catheter size; maintains sterile technique		Anticipates supplies needed for unexpected complications; ergonomic setup of all instruments and supplies

Catheter Positioning:

Novice		Competent		Expert
Corrections needed to properly identify vein or direct catheter to appropriate depth		Independently identifies, dilates, and cannulates umbilical vein to appropriate depth		Easily and efficiently cannulates vein to appropriate depth; appropriately and independently secures catheter in place

Procedure Flow and Efficiency:

Novice		Competent		Expert
Frequently stops procedure and seems unsure of next move; many unnecessary moves		Demonstrates some forward planning with reasonable progression of procedure; efficient time/motion but some unnecessary moves		Obviously plans course of procedure with effortless flow from one move to the next; clear economy of movement and maximum efficiency

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Instrument Handling:

Novice		Competent		Expert
Repeatedly makes tentative or awkward moves with instruments by inappropriate use of instruments		Competent use of instruments but occasionally appears stiff, awkward, or uncertain		Fluid moves with instruments without awkwardness; comfortable with application and extraction

Management of Complications: [] Not Applicable

Novice		Competent		Expert
Does not recognize or appropriately address developing complication, or does not appropriately halt procedure with failed attempts		Recognizes and appropriately addresses developing complication; halts the procedure appropriately		Immediately recognizes developing complication; manages with precise direction and without hesitation

Overall on this task did the provider demonstrate competency to perform this procedure independently?

Yes _____ No _____

Comments:

Attending Name (Print): _____

Signature/Date: _____