

Central Venous Catheter Insertion (IJ TLC) – Assessment Checklist

Check mistakes made or potential mistakes needing prompting from the supervisor to avoid	
Confirm Indication	<input type="checkbox"/> Did not identify a proper indication
Contra-indications	<input type="checkbox"/> Did not consider relevant contraindications
Obtain Consent	<input type="checkbox"/> Did not obtain signed consent or justify forgoing it for an emergent condition <input type="checkbox"/> Used medical jargon when explaining the procedure, if obtained <input type="checkbox"/> Did not confirm patient's/surrogate's understanding, if obtained
Optimize Procedural Environment and Positioning	<input type="checkbox"/> Did not safely address patient's discomfort <input type="checkbox"/> Did not position patient to adequately engorge the vein (e.g., Trendelenburg) <input type="checkbox"/> Did not position the US in clear view
Pre-procedural Ultrasound	<input type="checkbox"/> Did not correctly identify IJ <input type="checkbox"/> Did not confirm vessel patency to the level of the clavicle
Supplies	<input type="checkbox"/> Did not obtain all necessary supplies before starting
Timeout	<input type="checkbox"/> Did not perform timeout
Prepare supplies and sterile prep	<input type="checkbox"/> Did not don cap, mask with eye protection, sterile gown, and sterile gloves <input type="checkbox"/> Scrubbed chlorhexidine <30 seconds <input type="checkbox"/> Sterilized area smaller than drape aperture <input type="checkbox"/> Misaligned drape over sterilized area <input type="checkbox"/> Did not fully extend drape <input type="checkbox"/> Did not appropriately address contamination, if occurred <input type="checkbox"/> Did not flush and clamp/cap lumens pre-procedure <input type="checkbox"/> Did not test and prep guidewire
Procedural Steps	<input type="checkbox"/> Did not anesthetize tissue superficial to the vessel <input type="checkbox"/> Did not directly visualize the tip of the needle as it is advanced <input type="checkbox"/> Did not maintain negative pressure with the syringe while advancing the needle <input type="checkbox"/> Did not advance guidewire to a sufficient depth <input type="checkbox"/> Did not confirm guidewire position within the IJ by US in both short and long-axis views <input type="checkbox"/> Did not maintain control of the guidewire throughout the procedure, until removing it <input type="checkbox"/> Did not advance the catheter to at least 12cm <input type="checkbox"/> Did not pull back catheter if ectopy occurred <input type="checkbox"/> Did not remove the wire <input type="checkbox"/> Did not confirm venous blood return in each port <input type="checkbox"/> Did not flush and Luer lock (or clamp) each port post-procedure <input type="checkbox"/> Did not secure catheter to skin with at least three sutures (two if fully hubbed) <input type="checkbox"/> Did not apply chlorhexidine sponge or sterile dressing over the catheter insertion
Clean up, re-assess and line confirmation	<input type="checkbox"/> Did not dispose of sharps <input type="checkbox"/> Did not reassess condition or update RN <input type="checkbox"/> Did not perform bedside US or order CXR for line confirmation and evaluation for pneumothorax

Passing Cut-offs

Minimum Passing Standard (MPS): Checklist: ≤ 21 mistakes Global: ≥ 2 Entrustment: ≥ 2

Unsupervised Practice Standard (UPS): Checklist: ≤ 5 mistakes Global: ≥ 4 Entrustment: ≥ 4

Global Skills Assessment (GSA)

1	2	3	4	5
<p>Novice Movements guided by verbal instruction or through trial and error. Unable to anticipate subsequent steps or adjust for new conditions.</p>	<p>Beginner Knowledgeable about appropriate steps but still familiarizing with equipment and inefficient or awkward movements and positioning.</p>	<p>Intermediate Self-directed movements with increased efficiency and planning. Success with uncomplicated procedures. But slow to recognize high-risk conditions, fails to request assistance when needed or and not familiar with best troubleshooting methods.</p>	<p>Proficient Smooth and well-coordinated movements. Readily identifies unexpected or high-risk conditions. Familiar with troubleshooting options and appropriately seeks assistance when needed for higher level considerations.</p>	<p>Expert Efficient, well-planned, and fluid movements. Facile with all equipment and seamlessly adjusts for new conditions with effectively implemented troubleshooting techniques.</p>

Entrustment: At what level do you entrust the provider to perform and/or supervise the procedure?

1	2	3	4	5
<p>Critical Deficiencies High-risk for patient harm. Can observe the procedure but not ready to perform on live patients.</p>	<p>Full supervision Supervisor is gloved and immediately available throughout procedure providing frequent verbal instruction and/or hands on assistance.</p>	<p>Partial supervision Supervisor is ungloved but immediately available for all critical steps, offering occasional verbal instruction and/or assisting for complex and unanticipated conditions</p>	<p>Unsupervised practice (“indirect supervision”) Back-up assistance available within facility for unexpected and complex conditions. May provide supervision to trainees but maintains low threshold to request expert assistance in high-risk situations.</p>	<p>Educator Serves as instructor in didactics, and simulation settings and is clinical back-up for high-risk and complex situations.</p>

Final Score: Errors/prompts on checklist: _____ Global _____ Entrustment _____