### CENTRAL VENOUS CATHETERIZATION PERFORMANCE CHECKLIST

<table>
<thead>
<tr>
<th>Name</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Training program</td>
<td>Procedure/site</td>
</tr>
<tr>
<td>Training year</td>
<td>Attending</td>
</tr>
</tbody>
</table>

#### Task (Chronological Order)

<table>
<thead>
<tr>
<th>Task</th>
<th>Incompletely Performed (1)</th>
<th>Completely Performed (2)</th>
<th>Notes</th>
</tr>
</thead>
</table>

**Pre-Procedural Tasks**

1. Review patients’ chart, labs, and imaging (as relevant)
2. Obtain informed consent: verify patient, procedure and site
3. Position patient
4. Localize/mark needle insertion site – IJ or SC preferred
5. Put on hat and mask; wash hands with soap and water
6. Don protective clothing: sterile gown and sterile gloves
7. Prepare site using chlorhexidine
8. Drape site using maximal barrier precautions; drape ultrasound with probe cover
9. "Time out": verify patient, procedure and insertion site are correct
10. Inject anesthetic

**Procedural Tasks**

11. Prepare the kit: flush all ports of the catheter with saline
12. Insert needle: track advance with real-time U/S guidance
13. Obtain venous access (perform a. OR b. below)
   a. Disconnect the syringe; use the introducer to advance the curved end of the guide wire through the needle
   b. Pass the guide wire through the perforated end of the syringe plunger
14. Holding the guide wire, withdraw the needle with or without the syringe
15. Thread the dilator over the guide wire; make a small superficial skin incision at the entry of the wire, and advance the dilator(s)
16. Withdraw the dilator(s) and advance the catheter over the guide wire while firmly holding the wire
17. Remove the guide wire
18. Check for blood return in all ports. Flush the ports. Place caps on the hubs.
19. Clean the area and apply Biopatch®
20. Secure the catheter in place; apply sterile dressing
21. Throw away sharps
22. Discard protective clothing
23. Wash hands
24. Obtain chest x-ray if IJ or SC site accessed
25. Document procedure

**Assessment of Performance:**

Confidence (1: not at all; 3: average among peers, some confusion or hesitation noted; 5: completely, seamlessly transitions from one step to the next)

- Self-assessment of confidence: ____ 1-5
- Faculty assessment of confidence: ____ 1-5

Competence (1: not at all, needs lots of instruction; 3: average among peers, needs some instruction; 5: ready for unsupervised independent practice)

- Self-assessment of competence: ____ 1-5
- Faculty assessment of competence: ____ 1-5

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