

# Perioperative Services Competency Assessment - Vanderbilt University Medical Center

Surgical Hand Scrub	Interpretation	Rationale
A. Demonstrates hand / arm readiness for surgical hand scrub.	<ol style="list-style-type: none"> <li>1. Checks hands and arms for cuts, infections, or inflammation.</li> <li>2. Checks fingernails for cleanliness, length, nail polish if worn should not be chipped and freshly applied (less than 4 days old), free of acrylic nails, and free of jewelry.</li> </ol>	<ol style="list-style-type: none"> <li>1. Minor breaks in skin must be covered with bioclusive dressing after scrubbing.</li> <li>2. Nails should not extend over fingertips greater than ¼ inch.</li> <li>3. Potential for cross contamination.</li> <li>4. Available data indicates that nail polish that is obviously chipped or worn longer than four days harbor greater numbers of bacteria.</li> </ol>
B. Demonstrates use of PPE.	<ol style="list-style-type: none"> <li>1. Eye protection in place and cloth hats and hair completely covered / contained with disposal hat.</li> </ol>	<ol style="list-style-type: none"> <li>1. OSHA regulations.</li> </ol>
C. Choose agent.	<ol style="list-style-type: none"> <li>1. Water based hand scrub or Surgical Hand Antiseptic (Avagard™).</li> </ol>	<ol style="list-style-type: none"> <li>1. Approved methods at VMC.</li> </ol>
D. Demonstrates water based hand scrub (three minutes).	<ol style="list-style-type: none"> <li>1. Open scrub brush with antimicrobial soap.</li> <li>2. Wet hands and arms up to the elbows.</li> <li>3. Clean fingernails with nail stick under running water.</li> <li>4. Discard nail stick in appropriate waste receptacle. Begin three minute timed scrub.</li> <li>5. Wet sponge and squeeze to work up lather.</li> <li>6. Use brush side only on nails/cuticles or areas of visible soil.</li> <li>7. Wash all four sides of each digit.</li> <li>8. Wash the back, front, inner, and outer side of the hand.</li> <li>9. Repeat process on other hand</li> <li>10. Visualize the forearm from the wrist to 2” above the elbow as three sections, and wash each third.</li> <li>11. Repeat process on other arm.</li> <li>12. Discard brush in trash receptacle.</li> <li>13. Rinse both hands, arms and elbows thoroughly from fingertips to elbows, keeping fingers higher than elbows at all times.</li> <li>14. Pause with arms over the sink to allow the excess water to drain off the elbows.</li> <li>15. Proceed into the room with your hands between waist and eye level and away from the body.</li> </ol>	<ol style="list-style-type: none"> <li>1. Subungal region harbors the majority of microorganisms found on the hand.</li> <li>2. Remove debris and transient microorganisms from the nails, hands, and forearms.</li> <li>3. Hands and forearms are held higher than the elbows and out from the surgical attire to prevent contamination and allow water to run from cleanest area down the arm.</li> <li>4. Proper disposal of used items prevents cross contamination of surgical hand-scrub area.</li> <li>5. Reduce the opportunity for dripping water onto sterile areas when gowning and gloving.</li> </ol>
E. Demonstrate surgical hand antiseptic (Avagard™).	<ol style="list-style-type: none"> <li>2. Begin with pre-wash if visible soil is present.</li> <li>3. Clean under nails with a nail stick for the first use of the day.</li> <li>4. Dry thoroughly.</li> <li>5. Dispense one pump (2ml) into palm of hand.</li> <li>6. Dip fingertips of opposite hand into hand prep and work it under nails.</li> <li>7. Spread remaining hand prep from wrists to 2” above the elbow.</li> <li>8. Repeat for other hand &amp; arm.</li> <li>9. Dispense final pump (2 ml) in either hand and reapply to all aspects of both hands to the wrists.</li> <li>10. Allow to completely dry before gowning and gloving.</li> </ol>	<ol style="list-style-type: none"> <li>1. Per manufacturer’s instructions.</li> </ol>