

Principles and Practice Laboratory – 3 credits

Competencies

1. **Transportation** – Demonstrate the principles of safe transportation for each method of patient transportation. (75)
2. **Transfer** – Demonstrate safe transfer of the surgical patient. (79)
3. **Positioning** – Perform basic surgical patient positioning. (81)
4. **Urinary catheterization** – Demonstrate urinary catheterization in a simulation setting. (82)
5. **Attire** - Employ principles involved in donning surgical attire. (85)
6. **Case selection**- Gather the instruments, supplies, and equipment needed for a surgical procedure. (86)
7. **Instrumentation and Exposure** – Apply knowledge of surgical instrumentation categories and application to specific surgical procedures. (88 and 112)
8. **Aseptic technique and Monitoring the sterile field** – Demonstrate application of the principles of aseptic technique including monitoring the sterile field. (92 and 104)
9. **Surgical Hand Scrub** – Demonstrate correct technique for the surgical hand scrub. (94)
10. **Self gown and gloving** – Employ sterile technique when self gowning and gloving and when assisting other team members.(94 and 95)
11. **Preparation of the sterile field and Preoperative case management** - Demonstrate techniques for initiating a surgical procedure including preparing instruments and supplies and positioning furniture and equipment. (96 and 99)
12. **Draping** – Demonstrate general principles of draping patient, equipment and furniture. (98)
13. **Counts** – Demonstrate the procedures for counting instruments, sponges, needles and other items on the field. (97)
14. **Homeostasis** - Perform basic monitoring of patient homeostatic parameters. (100)
15. **Catheters and drains** – Prepare catheters and drains for use. (113)
16. **Tissue approximation** – Demonstrate proper selection, preparation, handling and cutting techniques for the various methods of tissue approximation. (117)
17. **Surgical dressings** – Apply principles of aseptic technique and demonstrate the application of commonly used types of surgical and specialty dressings. (126)
18. **Intraoperative case management and Critical Thinking** – Demonstrate basic routines of intraoperative case management. (109 and 265)

A detailed list of competences are listed in the 2013 CST Candidate Handbook 1st Edition, National Board of Surgical Technology and Surgical Assisting, National Examination for the Certified Surgical Technologist and may be found by contacting the NBSTSA at 800.707.0057 or mail@nbstsa.org or www.nbstsa.org.

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