

SURT-1922: CLINICAL EXPERIENCE II

Cuyahoga Community College

Viewing: SURT-1922 : Clinical Experience II

Board of Trustees:

January 2024

Academic Term:

Fall 2024

Subject Code

SURT - Surgical Technology

Course Number:

1922

Title:

Clinical Experience II

Catalog Description:

Practical application of previously learned surgical skills at assigned affiliated hospital. Students perform in both first and second scrub roles during operative procedures, increasing in proficiency. Weekly CST Exam review and post-clinical experience discussion.

Credit Hour(s):

3

Lecture Hour(s):

0

Other Hour(s):

128

Other Hour Details:

16 hours per week in hospital setting for 8-week summer session; Seminar: 3 hours and 10 minutes per week for 8-week summer session;

Requisites

Prerequisite and Corequisite

SURT-1300 Introduction to Surgery, SURT-130L Surgery Lab, SURT-1330 General Surgery and SURT-1911 Clinical Experience I.

Outcomes

Course Outcome(s):

A. Apply knowledge of the operating room environment when working as a surgical technologist.

Objective(s):

1. Identify cleaning procedures, traffic patterns, and routines in the operative environment.
2. Identify the physical components of the OR.
3. Identify hazards to the patient and OR staff in the operative environment.
4. Identify support services that work with the OR team in the care of the patient.

Course Outcome(s):

B. Perform basic surgical technologist duties, including; intermediate-level case management skills and first and second scrub roles, in the operating room environment.

Essential Learning Outcome Mapping:

Written Communication: Demonstrate effective written communication for an intended audience that follows genre/disciplinary conventions that reflect clarity, organization, and editing skills.

Objective(s):

1. Demonstrate principles related to the transferring and transporting the surgical patient.
2. Apply intermediate-level principles of surgical positioning.
3. Demonstrate competency related to the practice of sterile technique.
4. Demonstrate disinfection and sterilization procedures.
5. Demonstrate competency in the procedures related to disinfection and sterilization.
6. Demonstrate techniques of opening and preparing supplies and instruments needed for the operative procedure with the maintenance of sterile technique at all times.
7. Demonstrate the proper technique for the surgical hand scrub, gowning, gloving, and assisting team members.
8. Demonstrate the proper technique of preparing supplies and instruments on the sterile field.
9. Demonstrate proper procedure for counting instruments, sponges, needles, and other items on the sterile field.
10. Demonstrate the principles of surgical draping.
11. Demonstrate the initial steps for starting a surgical procedure.
12. Demonstrate intraoperative handling of sterile equipment and supplies.
13. Demonstrate the proper handling of surgical specimens.
14. Applies beginning-level problem-solving skills in the operative setting.
15. Demonstrate beginning-level selection and utilization of appropriate clinical resource material to aid in knowledge of surgical procedures.
16. Demonstrate postoperative routines.
17. Demonstrate preparation of dressing and drains.
18. Clean and prepare instruments for terminal sterilization.
19. Participate in room turnover.
20. Assist with transfer and transport of patient when necessary.
21. Perform in a minimum of 120 surgical cases throughout all program clinical experiences.
22. Perform 30 cases in General Surgery; 20 of the cases must be in the First Scrub Role.
23. Perform 90 cases in various surgical specialties; 60 of the cases must be in the First Scrub Role.

Course Outcome(s):

- C. Demonstrate professional conduct when working in the operating room.

Objective(s):

1. Speaks and behaves professionally.
2. Demonstrates punctuality.
3. Accepts constructive criticism.
4. Complies with hospital and college policies.
5. Displays a positive attitude.
6. Works as a team member.

Methods of Evaluation:

1. Demonstration of skills
- 2.
3. Clinical attendance and evaluation
4. Written assignments
5. Seminar attendance and participation

Course Content Outline:

1. Operating Room (OR) orientation to 2nd year clinical site
 - a. Facilities
 - b. OR policies/procedures
 - c. OR supply areas
 - d. Preference cards/educational materials
 - e. Assignment board
2. OR/Central Supply orientation
 - a. Instrument set contents
 - b. Packs/contents
 - c. Washer/sterilizer, ultrasonic washer
 - d. Sterilization methods
3. Operating room environment
 - a. General knowledge
 - i. Aseptic technique
 - ii. Anatomy and Physiology
 - iii. Anesthesia routines
 - iv. Standard precautions
 - v. Critical thinking
 - b. Preoperative skills
 - i. Preparation of proper supplies
 - ii. Opening supplies
 - iii. Positioning
 - iv. Skin prep
 - v. Time organization
 - c. Intraoperative skills
 - i. Scrubbing, gowning, gloving
 - ii. Table set up
 - iii. Draping
 - iv. Instrumentation
 - v. Sutures/staplers
 - vi. Specimen care
 - vii. Medication/solutions
 - viii. Counting instruments, sponges, sharps
 - ix. Sterile/clean/contaminated procedures
 - x. Organization of sterile field
 - xi. Anticipation of surgical team
 - xii. Sterilization of instruments/equipment
 - xiii. Assistant circulating skills
 - xiv. 120 surgical cases
 - xv. Scrub roles
 1. First scrub role - Must meet the following five criteria as well as the criteria of the second scrub role
 - a. Verify supplies and equipment needed for surgical procedures
 - b. Set up the sterile field with instruments, supplies, equipment, medication(s), and solutions needed for the procedure
 - c. Perform counts with the circulator prior to the procedure and before the incision is closed
 - d. Pass instruments and supplies to the sterile team members during the procedure
 - e. Maintain sterile technique as measured by recognized breaks in technique and demonstrate knowledge of how to correct with appropriate technique
 2. Second scrub role - The second scrub role is defined as the student who is at the sterile field who has not met all the criteria for the first scrub role but actively participates in the surgical procedure in its entirety by completing any of the following:
 - a. Sponging
 - b. Suctioning
 - c. Cutting Suture
 - d. Holding retractors
 - e. Manipulating endoscopic camera
 - f. Assists with a diagnostic endoscopy
 - g. Assists with vaginal delivery

3. Observation role - The observation role is defined as the student who is in the operating room performing roles that do not meet the criteria for the first or second scrub role. These observation cases are not to be included in the required case count but must be documented by the program.
- xvi. General Surgery - 30 cases required, 20 in First Scrub Role
- xvii. Surgical Specialties - 90 cases required, 60 in First Scrub Role
 1. Cardiothoracic
 2. ENT
 3. Eye
 4. GU
 5. Neuro
 6. Ob-Gyn
 7. Oral/Maxillofacial
 8. Orthopedics
 9. Peripheral vascular
 10. Plastics
 11. Procurement/Transplant
- d. Postoperative skills
 - i. Dressing/drains
 - ii. Terminal sterilization of instruments
 - iii. Transfer/transport of patient
- e. Professional development
 - i. Professional conversation
 - ii. Punctuality
 - iii. Constructive criticism
 - iv. Hospital/college policies
 - v. Flexibility
 - vi. Surgical conscience
 - vii. Positive attitude
 - viii. Team attitude

Resources

Association of Surgical Technologists, et al. *Surgical Technology for the Surgical Technologist: A Positive Care Approach*. 5th ed. Boston: Cengage Learning, 2018.

Dankanich, Nancy. *Operating Room Skills*. 2nd ed. Upsaddle River: Pearson Education Inc., 2020.

Frey, Kevin B., Price, Paul. *Surgical Anatomy and Physiology for the Surgical Technologist*. 1st ed. Clifton Park, NY: Thomson-Delmar Learning, 2006.

Fuller Kotcher, Joanna. *Surgical Technology Principles and Practice*. 8th ed. St. Louis: Elsevier, 2022.

Goldman, Maxine A. *Pocket Guide to the Operating Room*. 4th ed. Philadelphia: F. A. Davis, 2020.

Phillips, Nancymarie. *Berry and Kohn's Operating Room Technique*. 14th ed. St. Louis: Mosby, 2021.

Pieknik, Rebecca. *Suture and Surgical Hemostasis*. 1st ed. St. Louis: Elsevier Mosby, 2006.

Rothrock, J. C. *Alexander's Care of the Patient in Surgery*. 17th ed. St. Louis: Mosby, 2023.

Rothrock, J. C. and Sherri Alexander. *Alexander's Surgical Procedures*. 1st ed. St. Louis: Elsevier Mosby, 2012.

Rutherford, Colleen J. *Differentiating Surgical Equipment and Supplies*. 3rd ed. Philadelphia: F. A. Davis, 2023.

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Venes, Donald, ed. *Taber's Cyclopedic Medical Dictionary*. 23rd ed. Philadelphia: Davis, 2017.

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