

SURT-1861: CLINICAL EXPERIENCE: STERILE PROCESSING

Cuyahoga Community College

Viewing: SURT-1861 : Clinical Experience: Sterile Processing

Board of Trustees:

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Academic Term:

Fall 2024

Subject Code

SURT - Surgical Technology

Course Number:

1861

Title:

Clinical Experience: Sterile Processing

Catalog Description:

Supervised clinical experience in the central service/sterile processing department at a assigned affiliated hospital. Demonstrate basic competency of skills covering the principles and practices of cleaning, decontamination, sterilization of medical instruments and apparatus, fundamentals of wrapping, sterile set-ups, safety rules and regulations, inventory control, record-keeping and quality assurance.

Credit Hour(s):

2

Other Hour(s):

240

Other Hour Details:

Directed Practice: 240 hours per semester

Requisites

Prerequisite and Corequisite

SURT-1700 Sterile Processing Tech I, SURT-1720 Introduction to Hospital Administration, and concurrent enrollment in SURT-1710 Sterile Processing Tech II and department approval.

Outcomes

Course Outcome(s):

Act professionally in the central service/sterile processing environment while in the role of a sterile processing student.

Objective(s):

1. Adhere to professional dress code, specifically in regard to proper attire and personal appearance.
2. Utilize interpersonal skills; which include tact, diplomacy and the ability to follow instructions.
3. Maintain patient confidentiality.
4. Demonstrate a cooperative attitude during academic and clinical training.
5. Maintain integrity and honesty in all manners.
6. Demonstrate willingness to work with all body fluids.

Course Outcome(s):

Perform the decontamination process according to proper protocols using required safety precautions.

Objective(s):

1. Mix and use chemicals according to the directions of the manufacturer.
2. Select the proper chemical to complete assigned tasks.
3. Follow proper procedures for inspecting and cleaning instruments.
4. Operate and use the washer sterilizer ultrasonic, cart wash, washer decontaminator, pasteurizer, and the steam gun.

5. Follow proper procedures for disposing of biohazards.
6. Demonstrate proper use of personal protective equipment (PPE).
7. Follow proper hand washing procedures.
8. Follow proper procedures for handling and changing of sharp items.

Course Outcome(s):

Assemble, wrap, and package trays, basin sets and instruments according to established protocols to ensure sterility.

Objective(s):

1. Inspect all items to be packaged.
2. Assemble trays, basin sets and instruments accurately using counting sheets.
3. Select proper size wrapper to fully cover designated item with exact tension.
4. Package items in a manner that ensures they can be opened aseptically.
5. Select and seal proper size peel pouch for item being sterilized.
6. Label packages to clearly indicate contents and list preparer's initials.
7. Recognize compromised packaging and state several factors that can affect packaging.

Course Outcome(s):

Operate and maintain steam sterilizing equipment according to proper protocols using all required safety precautions.

Objective(s):

1. Perform Bowie Dick test on steam sterilizer.
2. Load items correctly into steam sterilizer.
3. Perform required biological monitoring on sterilizer.
4. Complete required documentation for all items loaded into the steam sterilizer.
5. Check sterilizer temperature, exposure and dry times prior to starting cycle.
6. Set appropriate pre-heat times for metal/mixed loads.
7. Use appropriate cool down times inside and outside chamber.
8. Follow proper procedures for monitoring sterilizers.
9. Communicate reports to relieving technician and problems/concerns to supervisor.

Course Outcome(s):

Inspect, assemble and store instruments, textile packs and basin sets according to proper protocols to ensure sterility.

Objective(s):

1. Identify and describe what to look for during inspection of various types of instruments.
2. Check for proper working condition, cleanliness, and damage of instruments.
3. Use instrument list sheet when assembling instrument sets.
4. Properly contain small components in instrument sets.
5. Inspect linen, fold and position components properly when assembling textile packs.
6. Follow all handling storage and rotation procedures to ensure sterility.
7. Demonstrate manual dexterity with the ability to work with small and delicate instruments.

Methods of Evaluation:

1. Evaluation of bench performance
2. Skill demonstrations
3. Quizzes
4. Clinical attendance and evaluation
5. Seminar attendance and participation

Course Content Outline:

1. Professionalism
 - a. Appearance
 - i. Uniform
 - ii. Personal grooming
 - b. Interpersonal skills

- i. Tact
 - ii. Diplomacy
 - iii. Ability to follow instructions
- c. Confidentiality
- d. Cooperative attitude
- e. Integrity and honesty
- f. Willingness to work with body fluids
- 2. Decontamination
 - a. Personal Protective Equipment
 - b. Hand washing protocols
 - c. Changing/Handling of sharp items
 - d. Selecting and mixing chemicals
 - e. Washer sterilizer ultrasonic operation
 - f. Cart wash operation
 - g. Biohazard disposal procedures
- 3. Instrument assembly
 - a. Inspection
 - i. Working condition
 - ii. Cleanliness
 - iii. Damage
 - b. Instrument sheet list
 - c. Small components
 - d. Manual dexterity
- 4. Wrapping and packaging
 - a. Inspection
 - b. Wrapper selection
 - c. Counting sheets
 - d. Packaging techniques
 - e. Peel pouch selection/sizing
 - f. Labelling
 - g. Recognizing compromised packaging
- 5. Sterilizations
 - a. Loading and unloading carriers
 - b. Bowie Dick Test
 - c. Pre-heat times for metal/mixed loads
 - d. Cool down times inside/outside chamber
 - e. Monitoring procedures
 - f. Biologicals
 - g. Record keeping
 - h. Communication
- 6. Supply and equipment distribution
 - a. Inventory management systems
 - b. Storage and rotation procedures
- 7. Case cart assembly
 - a. Pulling correct items
 - b. Documenting pick sheet

Resources

Sterile Processing University, LCC. *The Basics of Sterile Processing Textbook*. 7th ed. Lebanon, NJ: Sterile Processing University, LCC, 2019.

Sterile Processing University, LCC. *The Basics of Sterile Processing Workbook*. 7th ed. Lebanon, NJ: The Sterile Processing University, LCC, 2019.

Steris, Instrument Management Services. *Surgical Instrument Flash Cards*. 1st ed. Birmingham, AL: Steris, 2016.

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