

SRTC 104
Surgical Wound Management
2 Credits

Community College of Baltimore County
Common Course Outline

Description

SRTC 104 – Surgical Wound Management: introduces students to the concepts of decontamination, sterilization, and the disinfection of surgical instruments and supplies. Students examine the importance of the wound healing process in relation to sterility, instrumentation, and hemostasis. This course also provides students with an introduction to methods of suture principles and techniques, the application of wound dressings, and surgical implants.

Pre-requisites: Admission to the Surgical Technology program

Overall Course Objectives

Upon completion of this course, students will be able to:

1. define terms related to disinfection and sterilization;
2. state the difference between disinfection and sterilization;
3. identify the principles and process of decontamination;
4. list the steps of reprocessing surgical instruments from point of use to sterilization;
5. recognize variables related to the sterilization process;
6. describe the wound healing process and methods of surgical hemostasis;
7. identify surgical sponges, wound dressings, drains, surgical catheters, and surgical implants;
8. recognize suture by properties, structure, and sizing system;
9. list surgical needles by their shape and type of point;
10. describe the variety of suture packages; and
11. define the specialty uses of sutures.

Major Topics

- I. Disinfection and sterilization
 - a. Definitions
 - b. Terminal disinfection and sterilization concepts
 - c. Methods
 - d. Instrument preparation and wrapping
- II. Sterilization variables
 - a. Considerations
 - b. Steam agents
 - c. Chemical agents
 - d. Ionizing radiation
- III. Wound healing process
 - a. Types of wounds
 - b. Phases of wound healing

The Common Course Outline (CCO) determines the essential nature of each course.
For more information, see your professor's syllabus.

- c. Factors influencing wound healing
- d. Surgical technique and prevention of wound infections
- e. Complications and classifications
- IV. Surgical hemostasis
 - a. Principles
 - b. Methods
 - c. Techniques
- V. Surgical supplies, instruments, and implants
 - a. Dressings
 - b. Instruments
 - c. Staplers, catheters, and drains
 - d. Implants
- VI. Suture
 - a. Definitions
 - b. Specifications
 - c. Suture material and selection
 - d. Suturing techniques and methods
- VII. Suture needles
 - a. Characteristics
 - b. Needle parts, body, shape, and eyes
 - c. Needle holder selection
 - d. Needle accountability

Course Requirements

Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- Weekly assignments
- Weekly quizzes
- Three exams
- Professionalism
- Comprehensive final examination

Date Revised: 9/7/2021

The Common Course Outline (CCO) determines the essential nature of each course.
For more information, see your professor's syllabus.