



BAKER COLLEGE
STUDENT LEARNING OUTCOMES

SUR2120 Surgical Asepsis II
2 Semester Hours

Program Goals

To prepare competent entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Student Learning Outcomes & Enabling Objectives

Cognitive

1. Analyze the principle of hemostasis.
 - a. Differentiate the application of various methods of hemostasis and the equipment necessary.
 - i. Mechanical
 - ii. Chemical
 - iii. Thermal
 - b. Assess special techniques.
 - c. Explore the surgical technologist role in hemostasis.
 - d. Discuss patient safety when using the various methods and applications of hemostasis.
2. Compare and contrast the types and characteristics of various catheters and drainage devices.
 - a. Discuss concepts of catheter/wound drainage.
 - b. Identify catheter types and properties.
 - c. Discuss indwelling IV catheters.
 - d. Discuss adaptors.
 - e. Identify collection devices.
 - f. Identify drains and their collection devices.
 - g. Discuss anchoring methods.
 - h. Describe safety precautions.
3. Investigate proper wound closure in selection, preparation, and handling of suture material
 - a. Describe various suture characteristics and applications of suture material
 - b. Compare and contrast suture material and needles
 - c. Identify suture closure techniques
 - d. Identify commonly used suture needles

4. Analyze tissue replacement materials.
 - a. Identify biological wound covers.
 - b. Discuss bone material.
 - c. Discuss tissue transplants.
 - d. Identify synthetic materials.
 - e. Discuss biological materials.
 - f. Explain storage of tissue replacement materials.
 5. Compare and contrast commonly used surgical and specialty dressings.
 - a. Identify the purpose and function of a surgical dressing.
 - b. Identify the dressing types.
 - c. Describe preparation for dressing application.
 - d. Identify rigid dressings.
 - e. Identify specialty dressings.
 - f. Identify usage for wound packing.
 6. Analyze the wound healing process.
 - a. Identify types and classifications of wounds.
 - b. Discuss stages of wound healing.
 - c. Identify wound closure techniques (i.e. wound vac).
 7. Examine the handling and care of surgical specimens.
 - a. Discuss methods of obtaining specimen.
 - b. Discuss aspects of specimen handling.
 - c. Discuss containers for specimens.
 - d. Discuss specimen labeling.
 - e. Identify specific types of specimens and their care.
 - f. Discuss specimen transfer and storage.
 - g. Discuss specimen incidents.
 8. Explain the different applications and safety aspects in relation to technological sciences.
 - a. Explain information technology.
 - b. Explain robotics.
 - c. Explain electricity.
 - d. Explain lasers.
 - e. Explain electrical surgical units (ESU).
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Big Ideas and Essential Questions

Big Ideas

Instrumentation, Supplies, and Equipment

- Sterile Technique and Asepsis
- Hemostasis
- Wound Healing
- Sterilization Process

Essential Questions

1. How are instruments and supplies used in the surgical environment?
2. Why is it important to understand wound healing?
3. What role does hemostasis play in the intra-operative phase of a surgical procedure?

These SLOs are/are not approved for experiential credit.

Effective: Summer 2018