



BAKER COLLEGE

STUDENT LEARNING OUTCOMES

SUR 2410 Surgical Procedures I
4 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Evaluate the purpose and process of the surgical procedure.
 - a. Identify sutures to appropriate tissue.
 - b. Relate the surgical instrumentation to the correlating anatomy of the surgical procedure.
 - c. Discuss safety precautions as they pertain to positioning the surgical patient.
2. Examine the surgical specialties and the common procedures related to them.
 - a. Discuss the instrumentation, equipment, and supplies needed to gain access for specific surgical procedures.
 - b. Classify surgical procedures according to their surgical specialties.
 - i General, OB/GYN, Genitourinary, ENT, Orthopedic
 - c. Describe tissue replacement materials and the surgical procedures that require their usage.
3. Evaluate common incision sites for surgical procedures.
 - a. Relate incision placement to surgical skin prep boundaries and safety issues related to patient positioning.
4. Evaluate minimally invasive and open surgical procedures.
 - a. Discuss the situations that may require conversion from a minimally invasive procedure to an open procedure.
 - b. Describe the instrumentation, equipment, and supplies required for successful conversion from a minimally invasive procedure to an open procedure.
 - c. Explain the safety concerns for minimally invasive and open procedures.
5. Examine how pathophysiology and diagnostic modalities relate to surgical procedures.
 - a. Compare and contrast the various surgical pathologies of each body system.
 - b. Relate pathophysiology to surgical interventions.
 - c. Analyze the relationship between cell pathology and disease.
 - d. Identify hemodynamic disorders, inflammation.
 - e. Characterize diagnostics in surgical procedures.
6. Examine how the diagnostic modality influences the preoperative planning for a procedure.
 - a. Compare how different diagnostic results change the treatment options in preoperative planning.

- b. Identify preoperative planning as it correlates with the different diagnostic modalities.
 - c. Discuss preoperative planning, anticipation of supplies and room set up based on diagnostics.
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Big Ideas and Essential Questions

Big Ideas

- Surgical instrumentation, equipment and supplies
- Surgical procedure techniques
- Anatomical Structure
- Knowledge integration

Essential Questions

1. How can I apply the knowledge and skills acquired from one surgical procedure to another?
 2. What role does an understanding of the surgical procedure play in anticipation of surgical steps?
 3. Why is it important for the surgical technologist to have a solid understanding of anatomy and physiology?
 4. How does the ability of the surgical technologist to convert a procedure from minimally invasive to open impact patient outcomes?
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These SLOs are not approved for experiential credit.

Effective: Fall 2023