

SRG 221 - SURGICAL PROCEDURES III

Course Description

Students in this course will study the relevant surgical anatomy and physiology, factors unique to surgical procedures, pathophysiology, supplies, equipment, and instrumentation needed for a variety of procedures. Surgical procedures covered include the disciplines of neurology, vascular, cardiothoracic, and pediatric surgical procedure categories. Group 2 course.

Credit Hours

3

Contact Hours

3

Lecture Hours

3

Required Prerequisites

SRG 201, SRG 202, SRG 204; SRG 222 and SRG 224 may be taken concurrently.

Course Learning Outcomes

Knowledge:

- Identify the relevant surgical anatomy and physiology for neurology, vascular, and cardiothoracic surgical procedure categories.
- Identify the relevant pathophysiology for neurology, vascular, and cardiothoracic surgical procedure categories.
- Define the medical terminology relevant for neurology, vascular and cardiothoracic surgical specialty category.
- Identify the diagnostic interventions that are utilized to obtain a diagnosis for neurology, vascular, and cardiothoracic surgical procedures.
- Identify distinctive surgical factors that are unique to neurology, vascular, and cardiothoracic surgical category.
- Describe the wound classification and correlate to wound management for neurology, vascular, and cardiothoracic surgical procedures.
- Identify ethical issues that correlate to neurology, vascular, and cardiothoracic surgical specialties.
- Identify the required instrumentation that correlate with neurology, vascular, and cardiothoracic surgical procedures.

Application:

- Coordinate learned aseptic and sterile technique skills with human pathophysiology, anatomical and physiological knowledge through case study application neurology, vascular, and cardiothoracic surgical procedure categories.
- Analyze instrumentation needs for neurology, vascular, and cardiothoracic surgical procedures via case study application.
- Analyze ethical and legal issues pertinent to the surgical setting via case study application.

Integration:

- Integrate knowledge of cultural and religious preferences into surgical case preparation neurology, vascular, and cardiothoracic surgical procedures.
- Assess the need for surgical based variations based on variations in human pathophysiology as well as anatomy physiology on a case by case basis for neurology, vascular, and cardiothoracic surgical specialties.
- Create a planning strategy for case preparation on a case by case basis based on diagnostic, instrumentation, and wound management requirements neurology, vascular, and cardiothoracic surgical specialties.

Human Dimension:

- Demonstrate compassion in perioperative patient care and professional relations.
- Identify communication skill requirements for interactions with patients, family and surgical team member of varying cultures, ethnic and religious backgrounds, as well as varying socioeconomic statuses.
- Collaborate with surgical team members to identify corrective actions as they apply to variations during surgery.

Caring - Civic Learning:

- Recognize the importance of an ethical, moral, legal and professional work environment as it applies to overall patient satisfaction, surgical outcome, and a team centered environment.

Learning How to Learn:

- Identify resources within the healthcare setting to assist with patient and family needs as they apply to postoperative recovery.