Des Moines Area Community College

Effective Date: Aug. 2008

Acronym/Number SUR 200
Historical Ref SUR 200

Title Surg Procedures/Techniques I

Credit breakout 5 3 4 0 0
(credit lecture lab practicum work experience)

PREREQUISITE(S):

COURSE DESCRIPTION:
This course teaches the student about the aspects of common surgical procedures. Minor and major cases in a variety of surgery areas will be discussed including: general, obstetric and gynecological, ophthalmic, otorhinolaryngologic, plastic and reconstructive, urologic, and orthopedics.

COURSE COMPETENCIES:
During this course, the student will be expected to:

1. Explain general surgery.
   1.1 Discuss the relevant anatomy and physiology of the abdominal wall, digestive system, hepatic and biliary system, pancreas, spleen, thyroid, and breast.
   1.2 Discuss the pathology and related terminology of each system or organ that prompts surgical intervention.
   1.3 Discuss any preoperative diagnostic procedures and tests, and special Preoperative preparation procedures related to general surgery procedures.
   1.4 Identify the names and uses of general surgery instruments, supplies, and drugs, as well as special equipment related to general surgery.
   1.5 Discuss the intraoperative preparation of the patient undergoing general surgical procedures.
   1.6 State an overview of illustrative general surgery procedures.
   1.7 Discuss the purpose and expected outcomes of the illustrative procedures.
   1.8 Discuss the immediate postoperative care and possible complications of the illustrative procedures.
   1.9 Discuss any specific variations related to the preoperative, intraoperative, and postoperative care of the general surgery patient.

2. Discuss obstetric and gynecologic surgery.
   2.1 Discuss relevant anatomy and physiology of the female reproductive system.
   2.2 Describe the pathology of the female reproductive system that prompts surgical intervention and the related terminology.

   2.3 Discuss any special preoperative obstetric and gynecologic diagnostic procedures and tests, and special preoperative preparation procedures related
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2.4 Identify the names and uses of obstetric/gynecological surgery instruments, supplies, and drugs, as well as special equipment related to these surgeries.
2.5 Discuss the intraoperative preparation of the patient undergoing obstetric and gynecological surgical procedures.
2.6 State an overview of obstetric and gynecological surgery procedures.
2.7 Discuss the purpose and expected outcomes of the obstetric/gynecologic procedures.
2.8 Discuss the immediate postoperative care and possible complications of the obstetric/gynecologic procedures.
2.9 Discuss any specific variations related to the preoperative, intraoperative, and postoperative care of the obstetric/gynecologic patient.

3. Describe ophthalmic surgery.
3.1 Discuss the anatomy of the eye.
3.2 Describe the pathology that prompts surgical intervention of the eye and the related terminology.
3.3 Discuss any special preoperative ophthalmic diagnostic procedures and tests, and special preoperative preparation procedures.
3.4 Identify the names and uses of ophthalmic instruments, supplies, and drugs, as well as special equipment related to these surgeries.
3.5 Discuss the intraoperative preparation of the patient undergoing ophthalmic surgical procedures.
3.6 State an overview of ophthalmic surgery procedures.
3.7 Discuss the purpose and expected outcomes of the ophthalmic procedures.
3.8 Discuss the immediate postoperative care and possible complications of ophthalmic procedures.
3.9 Discuss any specific variations related to the preoperative, intraoperative, and postoperative care of the ophthalmic patient.

4. Discuss otohinolaryngologic surgery.
4.1 Discuss the relevant anatomy of the ear, nose, and upper aerodigestive tract.
4.2 Describe the pathology that prompts otolaryngologic surgical intervention and the related terminology.
4.3 Discuss any special preoperative otohinolaryngologic diagnostic procedures and tests, and special preoperative preparation procedures.
4.4 Identify the names and uses of otohinolaryngologic instruments, supplies, and drugs, as well as special equipment related to these surgeries.
4.5 Discuss the intraoperative preparation of the patient undergoing otohinolaryngologic surgical procedures.
4.6 State an overview of otohinolaryngologic surgery procedures.
4.7 Discuss the purpose and expected outcomes of the otohinolaryngologic procedures.
4.8 Discuss the immediate postoperative care and possible complications of otohinolaryngologic procedures.
4.9 Discuss any specific variations related to the preoperative, intraoperative and postoperative care of the otorhinolaryngologic patient.

5. Describe plastic and reconstructive surgery.
  5.1 Discuss the relevant anatomy and physiology of the skin and its underlying tissues.
  5.2 Describe the pathology that prompts plastic/reconstructive surgical intervention and the related terminology.
  5.3 Discuss any special preoperative plastic/reconstructive diagnostic procedures and tests, and special preoperative preparation procedures.
  5.4 Identify the names and uses of plastic/reconstructive instruments, supplies, and drugs, as well as special equipment.
  5.5 Discuss the intraoperative preparation of the patient undergoing plastic/reconstructive surgical procedures.
  5.6 State an overview of plastic/reconstructive surgery procedures.
  5.7 Discuss the purpose and expected outcomes of plastic/reconstructive procedures.
  5.8 Discuss the immediate postoperative care and possible complications of plastic/reconstructive procedures.
  5.9 Discuss any specific variations related to the preoperative, intraoperative, and postoperative care of the plastic/reconstructive patient.

6. Discuss genitourinary surgery.
  6.1 Discuss the relevant anatomy of the genitourinary system.
  6.2 Describe the pathology that prompts genitourinary system surgical intervention and the related terminology.
  6.3 Discuss any special preoperative genitourinary diagnostic procedures and tests, and special preoperative preparation procedures.
  6.4 Identify the names and uses of genitourinary instruments, supplies, and drugs as well as special equipment.
  6.5 Discuss the intraoperative preparation of the patient undergoing genitourinary surgical procedures.
  6.6 State an overview of genitourinary surgery procedures.
  6.7 Discuss the purpose and expected outcomes of genitourinary procedures.
  6.8 Discuss the immediate postoperative care and possible complications of genitourinary procedures.
  6.9 Discuss any specific variations related to the preoperative, intraoperative, and postoperative care of the genitourinary patient.

7. Discuss orthopedic surgery.
  7.1 Discuss the relevant anatomy and physiology of the musculoskeletal system.
  7.2 Describe the pathology of the musculoskeletal system that prompts surgical intervention and the related terminology.
  7.3 Discuss any special preoperative orthopedic diagnostic procedures and tests, and special preoperative preparation procedures.
  7.4 Identify the names and uses of orthopedic instruments, supplies, and drugs as well
as special equipment.

7.5 Discuss the intraoperative preparation of the patient undergoing orthopedic surgical procedures.

7.6 State an overview of orthopedic surgery procedures.

7.7 Discuss the purpose and expected outcomes of orthopedic procedures.

7.8 Discuss the immediate postoperative care and possible complications of orthopedic procedures.

7.9 Discuss any specific variations related to the preoperative, intraoperative, and postoperative care of the orthopedic patient.
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COMPETENCIES REVIEWED AND APPROVED BY: Shanda Weigel

DATE: October 2007

FACULTY:
1. Betty Baker
2. Shanda Weigel
3. Laura Douglas
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6.

Effective date: August, 2008

Originated by: Brenda Fobian

Campus: A B C U N W OC

extension:

Revision(s): 8/06; 10/07